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1st International Conference on Augmented Cognition
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   Author: <u>Bremen, Katrin</u>; <u>Ziefle, Martina</u>
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   Keywords: <u>Age</u>; <u>Individual workstation</u>; <u>Muscular complaints</u>; <u>Standard workstation</u>; <u>VDU</u>
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2. Analysis and Simulation of Core Competences in Human Resource Development [<u>View Paper</u>]
   Author: <u>Kantola, Jussi</u>; <u>Karwowski, Waldemar</u>; <u>Piirto, Antti</u>; <u>Vanharanta, Hannu</u>; <u>Vesanen, Tomi</u>
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3. Analysis of Student's Functional State During Computer Training [<u>View Paper</u>]
   Author: <u>Bedny, Gregory</u>; <u>Bedny, Inna S.</u>; <u>Chainova, Ludmila D.</u>; <u>Yakovetc, Diliara A.</u>
   Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
   Keywords: <u>Computer Training Program</u>; <u>Functional state</u>; <u>Physiological methods</u>; <u>Psychometric methods</u>; <u>Tension</u>
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   Author: <u>Lien, Ching-Wen</u>; <u>Liu, Bor-Shong</u>
   Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
   Keywords: <u>Anthropometry</u>; <u>Customization</u>; <u>Ear dimensions</u>; <u>Ear-related products</u>; <u>Individual differences</u>
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5. Associated Effects of Shiftwork on Productivity & Health in Outbound Call Center Operations in the Philippines [<u>View Paper</u>]
   Author: <u>dela Cuesta, Lualhati M.</u>; <u>Matias, Aura C.</u>
   Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
   Keywords: <u>Call center operations</u>; <u>Computer telephony</u>; <u>Health risk factors</u>; <u>Productivity</u>; <u>Shift work</u>
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   Author: <u>Cacciabue, P.C.</u>; <u>Saad, F.</u>
   Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
   Keywords: <u>Advanced Automation Systems</u>; <u>Behavioral adaptation</u>; <u>Driver need</u>; <u>Human Factors</u>; <u>Modeling driver behavior</u>
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   Author: <u>Dekker, Marijke C.</u>; <u>Kleinrensink, Gert-Jan</u>; <u>Krullaards, Rob L.</u>; <u>Snijders, Chris J.</u>
   Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
   Keywords: <u>Blood flow</u>; <u>Constriction</u>; <u>Office work</u>; <u>RSI</u>; <u>Sensor pen</u>
   Country: <u>Netherlands</u>

8. C.L.E.A.R.: A New Model to Describe and Measure Information Work [<u>View Paper</u>]

Author: Conway, Susan D.
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Assessment; Business Value; Intangible Assets; Measurement; Productivity
Country: United States of America

9. Characteristics of Psychosocial Telework Environment in Poland [View Paper]
Author: Najmiec, Andrzej
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Job satisfaction; Personality; Psychosocial working conditions; Telework; Well-being
Country: Poland

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Author: Lahlou, Saadi
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Activity-based design; Affordances; Augmented meeting rooms; Cognitive attractors; Participatory design
Country: France

11. A Cognitive Engineering Approach to Modeling Air Traffic Complexity [View Paper]
Author: Hilburn, Brian
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Air Traffic Control; COCA; Cognitive Engineering; Complexity; Workload
Country: Netherlands

12. Communicating Intent for Planning and Scheduling Tasks [View Paper]
Author: Bass, Deborah S.; Shalin, Valerie L.; Wales, Roxana C.
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Communication; Intent representation; Mars exploration rover mission; Planning; Task scheduling
Country: United States of America

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Author: Choi, Sang; Greenleaf, Tim; Kapp, Andrew; Taveira, Alvaro
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Comfort; Ergonomics; Evaluation; Keyboard; Productivity
Country: United States of America

14. Comparing Speed and Force Control of Keystroke Actions in Symptomatic and Asymptomatic Office Workers [View Paper]
Author: O'Sullivan, P.; Straker, L.M.; Szeto, G.P.Y.
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Ergonomics; Keystroke speed; Office workers; Typing performance; Work-related musculoskeletal disorders
Country: Australia; Hong Kong

15. Computer Aiding of Heuristic's Processes of "Algorithm of Invention Problems Solution" [View Paper]
Author: Kiliszewski, Marcin; Tytyk, Edwin
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Algorithm; ARIZ; Computer Aided Design; Computer software; Heuristic's processes
Country: Poland

16. Computer-Aided Systems for Procedures of Ergonomic Assessment of Industrial Work Environment [View Paper]
Author: Bayda, Maciej; Grzybowski, Wieslaw; Pacholski, Leszek

Volume: [Volume 1 - Engineering Psychology, Health and Computer System Design](#)
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    Author: [Karsh, Ben-Tzion](#)
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    Author: [Erbug, Cigdem](#); [Karapars, Zeynep](#)
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    Author: [Carayon, Pascale](#); [Enloe, Myra](#); [Hundt, Ann Schoofs](#); [Love, Tracy](#); [Rough, Steve](#); [Schroeder, Mark](#); [Wetterneck, Tosha B.](#)
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    Author: Aaras, Arne; Horgen, Gunnar
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
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25. A Cross-Fertilized Evaluation Method Based on Visual Patterns and Cognitive Functions Modeling [View Paper]
    Author: Boy, Guy; Stephane, Lucas
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    Author: Jasiak, Aleksandra
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    Author: Takaya, Kazuhiro; Watanabe, Takumi
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    Country: Japan

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    Author: Leikas, Jaana; Suihkonen, Raisa; Vaatanen, Antti; Virtanen, Tytti
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Design methods; Design rationale; Requirements capture; User requirements; User-centered design
    Country: Finland

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    Author: Ezer, Neta; Fisk, Arthur D.; Rogers, Wendy A.; Sanchez, Julian
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Aging; Automation; Collaborative environments; Reliability; Trust
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    Author: Bationo, Anne
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    Keywords: Activity theory; Design; Narrative tools; Temporality; Transitional artifact
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    Author: Hone, Geoffrey; Macleod, Iain S.; Whitworth, Ian R.
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Cognitive Work Analysis; Human Factors Integration; Task Analysis; Training; Work Domain Analysis
    Country: United Kingdom

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    Author: Duh, Henry Been-Lirn; Helander, Martin G.; Seva, Rosemary R.

Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Affective design; Cluster analysis; Electronic product; Product design; Purchase behavior
Country: Singapore

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Author: Baber, Chris; Dymot, Roy; Green, Damian; Harris, Don; Houghton, Robert J.; Hoyle, Geoff; Linsell, Mark; McMaster, Richard; Salmon, Paul; Stanton, Neville A.; Stewart, Rebecca; Walker, Guy H.; Young, Mark S.
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Agents; Command and control; Distributed cognition; Situation awareness; Teamwork
Country: United Kingdom

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Author: Aakre, Bente Monica; Aaras, Arne; Bruenech, Jan Richard; Helland, Magne; Horgen, Gunnar; Kvikstad, Tor Martin
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Blinking; Character size; Eyeblink rate; Luminance; VDU work
Country: Norway

35. Do the Luminance Levels of the Surroundings of Visual Display Units (VDU) and the Size of the Characters on the Screen Effect the Accommodation, the Fixation Pattern and the Muscle Load During VDU Work [View Paper]
Author: Aaras, Arne; Bruenech, Jan Richard; Helland, Magne; Horgen, Gunnar; Kvikstad, Tor Martin
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Luminance; Muscle load; Myopia; Optometric corrections; VDU work
Country: Norway

36. Does Playing with a Companion Animal During a Break Period Reduce Job Stress and Improve Work Performance for Computer Operators? [View Paper]
Author: Ogawa, Iiji
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Companion animal dog; Emotional changes; Heart Rate Variability and EEG; Job stress; Work performance
Country: Japan

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Author: Hoogeboom, Piet; Schaefer, Dirk; Zon, Rolf
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Keywords: Air Traffic Control; Communication Errors; FL 100; Phraseology; Radio Telephony
Country: France; Netherlands

38. Driver Behaviour Measures – Are They Reliable and Valid? [View Paper]
Author: Harris, Don; Stewart, Rebecca
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Driver Behaviour Measures; Driver need; Field analysis; Human Factors; Human Vehicle Interaction
Country: United Kingdom

39. Dynamic Online Support to the Human Factors Integration Process [View Paper]
Author: Tatlock, Kerry
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Defense technology centre; Desktop support tool; Guidance material; Human Factors Integration; Information provision
Country: United Kingdom

40. The Dynamical Factor of a Designing Dialogue Between Operators and Systems of Industrial Process Diagnostics [View Paper]
    Author: Pacholski, Leszek; Slawinska, Malgorzata
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    Keywords: Designing; Dynamical factor; Industrial process diagnostics; Manipulating; Operators
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41. Economic Assessment of Human Error in Semiconductor Manufacturing Environment [View Paper]
    Author: Hwang, Sheue-Ling; Liu, Hunszu; Liu, Thu-Hua
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Cost estimation; Decision support system; Economic assessment; Ergonomics; Human error
    Country: Taiwan

42. The Effect of Visual Information in Collaborative Troubleshooting [View Paper]
    Author: Miyamoto, Masaru; Nakatani, Momoko; Ogawa, Katsuhiko; Yonemura, Shunichi
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Collaborative troubleshooting; Communication support; Technical support; Visual communication; Visual information
    Country: Japan

43. The Effects of Audio Spatial Cue Precision on Target Detection and Identification [View Paper]
    Author: Bertolotti, Hugo; Strybel, Thomas Z.
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Audio 3D displays; Auditory localization; Auditory spatial processing; False alarm; Visual search
    Country: United States of America

44. Effects of Tasks and Furniture on Productivity and Health [View Paper]
    Author: Commissaris, Dianne; Vink, Peter
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Chair; Health; Office work; Organizational change; Productivity
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45. Emotion Studies in HCI – A New Approach [View Paper]
    Author: Herbon, Antje; Markert, Lydia; Peter, Christian; van der Meer, Elke; Voskamp, Jorg
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Affective computing; Emotion detection; Emotion representation; Human-Computer Interaction (HCI); Physiology
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    Author: Kelter, Jorg; Rieck, Alexander
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    Author: Gard, Gunvor; Majamaa, Marja-Liisa; Melander-Wikman, Anita
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Competence building; Customer orientation; Empowerment; Home care; Mobile technology
    Country: Finland; Sweden

48. Encountering Computer-Supported Cooperative Work via the Living Lab: Application to Emergency Crisis Management [View Paper]
    Author: Bains, Priya; Brewer, Isaac; Connors, Erik S.; Jefferson, Tyrone, Jr.; Jones, Rashaad E.T.; McNeese, Michael D.;

Terrell, Ivanna S.
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Collaborative systems; Intelligence analysis; Knowledge elicitation; Living laboratory framework; Situation awareness
Country: United States of America

49. End User Perceptions of Electronic Medical Record Technology Implementation in Two Family Medicine Clinics [View Paper]
Author: Carayon, Pascale; Hundt, Ann Schoofs; Smith, Paul; Sobande, Folasade
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Clinics; Electronic Medical Record; Expectations; Perceptions; Technology
Country: United States of America

50. Ergonomic Modeling of Work Environment in the Mechanical Engineering Enterprise with Using of the Hypermedia Techniques [View Paper]
Author: Dahlke, Grzegorz; Jasiak, Aleksandra
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Ergonomic modeling of work environment; Hypermedia techniques; Mechanical engineering enterprise; Simulation; Workstation modeling
Country: Poland

51. Evaluating Computerized Decision Support Systems for Teams: Using Cognitive Load and Metacognition Theory to Develop Team Cognition Measures [View Paper]
Author: Fiore, Stephen M.; Johnston, Joan H.; Paris, Carol; Smith, C.A.P.
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Cognitive load; Decision support system; Distributed teams; Metacognition; Workload
Country: United States of America

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Author: Harris, Steven Robert; Reddy, Mike
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Cognitive Walkthrough; Educational Robotics; Human-Computer Interaction (HCI); Systemic Structural Activity Theory; Usability
Country: United Kingdom

53. Evaluation of a Multimodal Display in a Multirobot User Interface [View Paper]
Author: Schlick, C.M.; Trouvain, B.
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Human Factors; Man-machine system; Multi-robot system; Multimodal display; User interface
Country: Germany

54. An Evidence Based Research on a Break for Office Work [View Paper]
Author: Noro, Kageyu; Oyama, Hideki
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Discomfort; Foot swelling; Office work; Rest break; Stress
Country: Japan

55. eWork: Trends and Challenges from the European Perspective [View Paper]
Author: Huuhtanen, Pekka; Jurvansuu, Hanna
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Change at work; Psychosocial issues; Telework; Time pressure; Work / life balance
Country: Finland

56. Experimental Investigation of Relation Between Information Flow of Diagnosis Tasks and Workload
[View Paper]
Author: Ha, Chang Hoon; Kim, Jong Hyun; Koo, Seo Ryong; Seong, Poong Hyun
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Diagnosis; Eye movements; Information Theory; NASA TLX; Workload
Country: South Korea

57. Experimental Set-Up for the Development of Autonomous Capabilities and Operator Assistance in
UAV Guidance [View Paper]
Author: Ertl, Claudia; Kriegel, Michael; Schulte, Axel
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Assistant System; Cognitive Automation; Human performance modeling; Intelligent Vehicle Guidance; UAV
Demonstrator
Country: Germany

58. Expert Systems in the Occupational Risk Management at the Workplace [View Paper]
Author: Gorny, Adam; Jasiak, Aleksandra
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Estimate hazards; Evaluation of working conditions; Expert systems; Identification of hazards; Occupational
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Country: Poland

59. Eye Activity Measures of Cognitive Workload: Equating the Baselines of Task Performance
[View Paper]
Author: Chase, Bradley; Tsai, Yi-Fang; Viirre, Erik
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Attention; Cognitive; Eye tracking; Individual differences; Performance
Country: United States of America

60. Eye-Controlled Applications – Opportunities and Limits [View Paper]
Author: Beinhauer, Wolfgang; Richter, Anke; Vilimek, Roman
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Country: Germany

61. Feedback of IT-Ergonomic Data to the Individual, Workgroup, or Supervisor as a Way to Stimulate
Working Environment Activity: A RCT [View Paper]
Author: Eklof, Mats; Hagberg, Mats
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Ergonomics; Feedback; Intervention; Psychosocial; VDU
Country: Sweden

62. Finite Elements Analysis of Spine During Computerised Tasks [View Paper]
Author: Borkowski, Pawel; Kaminska, Joanna; Roman-Liu, Danuta; Zagrajek, Tomasz
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Biomechanical model; FEM; Lumbar spine; Parametric model; Spine load
Country: Poland

63. Form or Function: Design Considerations for Electronic Prescription Writing Tools [View Paper]
Author: Davison, Coda; Johnson, Kevin B.; Serwint, Janet; Walker, Allen
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Electronic prescribing; Handheld computer; Personal digital assistant; Usability
Country: United States of America

64. Health Aspects and Psychosocial Conditions of Disabled Teleworkers in Polish Studies [View Paper]
    Author: Kurkus-Rozowska, Bozena
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    Keywords: Occupational rehabilitation; Organization of work; People with disabilities; Promotion of health; Telework
    Country: Poland

65. HFI for Future C4i in the RAF [View Paper]
    Author: Baber, Chris; Harris, Don; Mock, Melania; Salmon, Paul; Stanton, Neville A.; Stewart, Rebecca; Tatlock, Kerry; Wells, L.
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Command; Communication; Computers; Control; Intelligence
    Country: United Kingdom

66. Hierarchical Task Analysis [View Paper]
    Author: Stanton, Neville A.
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Hierarchical Task Analysis ; Human performance; Interface design; Job analysis; Job description
    Country: United Kingdom

67. Historical Perspective – Early Telecommuting Programs and Their Evolution [View Paper]
    Author: Robertson, Michelle M.
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Occupational health and safety; Telecommuting; Telecommuting program design; Telework; Virtual workplace
    Country: United States of America

68. How Adequate Is the Standard VDU Setting for Users with Musculoskeletal Disorders Regarding Performance and Muscular Load? [View Paper]
    Author: Bremen, Katrin; Ziefle, Martina
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    Keywords: Musculoskeletal load; Musculskeletal disorders; Office work; Performance; VDU
    Country: Germany

69. The Human Factors (HF) Methods Matrix: A Tool for Integrating HF Methods [View Paper]
    Author: Baber, Chris; Green, Damian; Salmon, Paul; Stanton, Neville A.; Walker, Guy H.
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
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    Country: United Kingdom

70. Human Performance Modelling in Assessment of Advanced Air Traffic Management Aiding Systems [View Paper]
    Author: Corker, Kevin M.
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Air traffic management; Functional modeling; Human performance modeling; Human-automation functional integration; Human-centered design
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71. Human-System Task Integration [View Paper]
    Author: Schraagen, Jan Maarten
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    Country: Netherlands

72. ICT Use and the Prevalence of Upper Extremity Symptoms and Psychological Symptoms Among

Young Adults in a Prospective Cohort Study [View Paper]
Author: Eklof, Mats; Gustafsson, Ewa; Hagberg, Mats; Thomee, Sara
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Ergonomics; Information Technology; Musculoskeletal; Psychological; Symptoms
Country: Sweden

73. Impact of PDA-Based ePrescribing Adoption on Medication Safety in Ambulatory Care [View Paper]
Author: Bramble, James D.; Galt, Kimberly A.; Rule, Ann M.; Siracuse, Mark V.; Taylor, Wendy S.
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Ambulatory care; Clinical informatics; ePrescribing ; Patient safety; Technology
Country: United States of America

74. The Impact of Two Ergonomic Interventions on Health and Productivity: A Quasi-Experimental
Field Study [View Paper]
Author: Amick, Benjamin C., III; DeRango, Kelly; Menendez, Cammie Chaumont; Moore, Anne; Robertson, Michelle M.
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Chair; Ergonomics; Health; Intervention; Productivity
Country: Canada; United States of America

75. Implementation of a New Editorial System and Employees' Well-Being – A Follow-Up Study
[View Paper]
Author: Seppala, Pentti; Tuomivaara, Seppo
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Experienced competence; Journalist; Mental load; System implementation; Well-being
Country: Finland

76. The Importance of Risk Communication in Study Risk and Safety [View Paper]
Author: Taal, Hilja
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Problem-based learning; Risk and safety study; Risk communication; VDU, construction site risks; Work-related problems
Country: Estonia

77. Improved Situation Awareness with Augmented Reality [View Paper]
Author: Pretlove, John; Skourup, Charlotte
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Augmented reality; Human-machine interaction; Industrial process; Mental model; Situation awareness
Country: Norway

78. In-Car Machine-Human Interaction: How to Couple Vehicle Technologies with User-Centered
Design [View Paper]
Author: Cacciabue, P.C.; Montanari, Roberto; Tango, Fabio
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Behavioral adaptation; HMI Design; Human behavior modeling; Safety indicators matrix ; User-centered design
Country: Italy

79. The Influence of Accommodation on Progression of Myopia in Children [View Paper]
Author: Bruenech, Jan Richard; Fjerdingstad, Marit H.; Langaas, Trine; Langeggen, Irene; Lid, Jorunn; Riddell, Patricia M.; Svarverud, Ellen; Ystenaes, Ann E.
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Accommodation; Children; Myopia; Near work; Retinal defocus
Country: Norway; United Kingdom

80. Information and Communication Technologies (ICT) and Communication in Virtual Organizations [View Paper]
    Author: Jarvenpaa, Eila; Maki, Eerikki; Ziegler, Kirsi
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Communication; Knowledge sharing; Oct; Virtual organization; Virtual team
    Country: Finland

81. Innovative Workplace Design "Requirements for High Performance Office Equipment" [View Paper]
    Author: Bakschas, Jorg
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Individual office ergonomics; Innovative table system; Nova Desk; RSI-syndrom; Workplace design
    Country: Germany

82. Intelligent Lighting and Telework [View Paper]
    Author: Wolska, Agnieszka
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Call centers operators; Different lighting systems; Intelligent lighting; Visual fatigue; Well-being
    Country: Poland

83. Investigating Interaction Breakdown: A Systemic-Structural Activity Approach to the Analysis of HCI Field Data [View Paper]
    Author: Harris, Steven Robert
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Algorithmic description; Field Study; Human-Computer Interaction (HCI); Qualitative description ; Web authoring task
    Country: United Kingdom

84. An IP Continuum for Adaptive Interface Design [View Paper]
    Author: Isbell, Charles L.; Pierce, Jeffrey S.
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Adaptive interfaces; Intelligent user interfaces; Interface design; Interface metrics; IP continuum
    Country: United States of America

85. IT System Changes During a Hospital Merger and Employee Well-Being [View Paper]
    Author: Lindstrom, Kari
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Data system; Health care; Job stress; Merger; Well-being
    Country: Finland

86. Job and Organizational Characteristics, QWL and Turnover Intention in the IT Work Force: The Role of Minorities [View Paper]
    Author: Carayon, Pascale; Hoonakker, Peter; Schoepke, Jen S.
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: IT work force; Minorities; Quality of working life; Retention; Turnover
    Country: United States of America

87. Job Strain and Risk of Musculoskeletal Symptoms Among a Prospective Cohort of Occupational Computer Users [View Paper]
    Author: Gerr, Fred; Hannan, Lindsay M.; Kleinbaum, David G.; Marcus, Michele; Monteilh, Carolyn P.
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Musculoskeletal; Neck; Psychosocial; Shoulder; Work organization
    Country: United States of America

88. A Linear Visual-Vestibular Physiological Model for the Prediction of Motion Sickness Incidence: Revised for Motion Detected by Peripheral Vision [View Paper]
    Author: Matsagas, Panayiotis; McCauley, Michael E.
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Etiologic linear model; Modeling; Motion sickness; Vestibular system; Visual system
    Country: Greece; United States of America

89. Load of Hand and Task Performance of Children in the Lower Grade by Using Mouse Input Device [View Paper]
    Author: Kurokawa, Takao; Morimoto, Kazunari; Yutani, Masayuki
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Country: Japan

90. Macroergonomic Issues in Call Center Work – Implications for the Indian IT Industry [View Paper]
    Author: Khan, Farheen S.; Smith, Michael J.
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Call centers; Marcroergonomics; VDT work; Work organization; Work-related disorders
    Country: United States of America

91. Management of Multiple Dynamic Human Supervisory Control Tasks for UAVs [View Paper]
    Author: Cummings, M.L.; Mitchell, P.J.
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Operator capacity; Supervisory control; Switching costs; UAV; Wait times
    Country: United States of America

92. Migrating Collaborative Work in Healthcare to Electronic Environments [View Paper]
    Author: Ebright, Patricia; Render, Marta; Rogers, Michelle
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Artifacts; Cognitive task analysis; Collaborative work; Health care; Medication administration
    Country: United States of America

93. Modeling Driver Behaviour on Basis of Emotions and Feelings: Predicting Effects of Intelligent Transport Systems [View Paper]
    Author: Vaa, Truls
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Driver need; Human Factors; Human Vehicle Interaction; Intelligent Transport Systems; Modeling driver behavior
    Country: Norway

94. Monotony and Related Concepts in ATC: A Framework and Supporting Experimental Evidence [View Paper]
    Author: Kallus, K. Wolfgang; Schaefer, Dirk; Straussberger, Sonja
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Air Traffic Control; Monotony; Psychophysiology; Underload; Vigilance
    Country: Austria; France

95. Multi-Disciplinary Teams in User Centered Development Processes [View Paper]
    Author: Turber, Markus
    Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
    Keywords: Design; Multi-disciplinary teams; Qualitative methods; User research; User-centered design
    Country: Germany

96. Musculoskeletal Disorders and Computer Use Among Engineering Graduate Students [View Paper]

Author: <u>Dietrich, Peter</u>; <u>Llosa, Augusto</u>; <u>Morrow, Sandra</u>; <u>Rempel, David</u>; <u>Schlossberg, Eric</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Disorders</u>; <u>Ergonomics</u>; <u>Health</u>; <u>Musculoskeletal</u>; <u>Students</u>
Country: <u>United States of America</u>

97. The Neuroanatomical Basis for Fine Tuning of Eye Movements During Close Work [<u>View Paper</u>]
Author: <u>Bruenech, Jan Richard</u>; <u>Haugen, I.-B. Kjellevold</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Extraocular muscles</u>; <u>Oculomotor control</u>; <u>Proprioception</u>; <u>Reading</u>; <u>Sensory receptors</u>
Country: <u>Norway</u>

98. Neuroanatomical Studies of Oculomotor Control [<u>View Paper</u>]
Author: <u>Bruenech, Jan Richard</u>; <u>Haugen, I.-B. Kjellevold</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Binocular vision</u>; <u>Extraocular muscles</u>; <u>Near vision</u>; <u>Oculomotor system</u>; <u>Ringbinden fibres</u>
Country: <u>Norway</u>

99. Office Performance Loop an Integrated Approach to Create Office Performance [<u>View Paper</u>]
Author: <u>Hube, Gerhard</u>; <u>Kern, Peter</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Knowledge Society</u>; <u>Knowledge work</u>; <u>Office performance</u>; <u>Office performance loop</u>; <u>Productivity gap</u>
Country: <u>Germany</u>

100. Optimizing Call Center Computer Desk Lay-Out and the Effect on Physical Workload, Productivity and Perceived Usefulness [<u>View Paper</u>]
Author: <u>de Korte, Elsbeth</u>; <u>van Lingen, Piet</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Call centers</u>; <u>Desk layout</u>; <u>Discomfort</u>; <u>Muscle activity</u>; <u>Office work</u>
Country: <u>Netherlands</u>

101. A Paradigm of Co-Evolutionary Management: Creative Tension and Brain-Based Company Development Systems [<u>View Paper</u>]
Author: <u>Kantola, Jussi</u>; <u>Karwowski, Waldemar</u>; <u>Vanharanta, Hannu</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Brain-based systems</u>; <u>Circles of mind</u>; <u>Creative tension</u>; <u>Human resource management</u>; <u>Self-evaluation</u>
Country: <u>Finland</u>; <u>United States of America</u>

102. Pathogens in the Cheese Revisiting the Organizational Model of Transport Safety Investigations [<u>View Paper</u>]
Author: <u>Braithwaite, Graham R.</u>; <u>Faulkner, John P.E.</u>; <u>Shorrock, Steven T.</u>; <u>Young, Mark S.</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Accident investigation</u>; <u>Error analysis</u>; <u>Latent error</u>; <u>Operator error</u>; <u>Swiss cheese</u>
Country: <u>Australia</u>; <u>United Kingdom</u>

103. Personal Attentive User Interfaces for Mobile Police Officers [<u>View Paper</u>]
Author: <u>Nagata, Stacey F.</u>; <u>Neerincx, Mark A.</u>; <u>Streefkerk, J.W.</u>; <u>van Esch-Bussemakers, M.P.</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Attention</u>; <u>Mobile computing</u>; <u>Personalization</u>; <u>Police</u>; <u>User-centered design</u>
Country: <u>Netherlands</u>

104. Personal Mobile Support for Crisis Management Using Ad-Hoc Networks [<u>View Paper</u>]
Author: <u>Datcu, D.</u>; <u>Fitrianie, S.</u>; <u>Rothkrantz, L.J.M.</u>; <u>Tatomir, B.</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Adaptive systems</u>; <u>Collaborative agents</u>; <u>Context awareness</u>; <u>Personalized agents</u>; <u>Wireless networks</u>

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     Author: [Fusai, Claudia](#); [Schaefer, Dirk](#); [Scrivani, Petra](#); [Waggitt, Robin](#)
     Volume: [Volume 1 - Engineering Psychology, Health and Computer System Design](#)
     Keywords: [Airborne Separation Assurance](#); [ASAS Spacing](#); [CDTI](#); [MFF](#); [Non-nominal events](#)
     Country: [France](#); [Italy](#); [United Kingdom](#)

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     Author: [Grozdanovic, Dragutin](#); [Grozdanovic, Miroljub](#); [Pavlovic, Sonja](#)
     Volume: [Volume 1 - Engineering Psychology, Health and Computer System Design](#)
     Keywords: [Carpal tunnel syndrome](#); [Ergonomics](#); [Petroleum industry](#); [VDT operators](#); [Work-related musculoskeletal disorders](#)
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     Author: [Ker, Patrick](#)
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     Author: [Sutter, Christine](#); [Ziefle, Martina](#)
     Volume: [Volume 1 - Engineering Psychology, Health and Computer System Design](#)
     Keywords: [Fine psychomotor abilities](#); [Input devices](#); [Touchpad](#); [Trackpoint](#); [User characteristics](#)
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Author: Karjalainen, Toni-Matti; Repokari, Lauri
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Keywords: Design communication; Expert panel; Mobile phones; Product design; Usability laboratory
Country: Finland

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Author: Baber, Chris; Gibson, Huw; Green, Damian; Stanton, Neville A.; Walker, Guy H.; Young, Mark S.
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: C4i; Communication; Design; Methodologies; Situational awarness
Country: United Kingdom

114. Relating Worker Fatigue with Keyboard Forces and Typing Performance [View Paper]
Author: Chang, Che-hsu; Dennerlein, Jack; Ibbotson, Jennifer; Johnson, Peter
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Ergonomics; Fatigue; Muscle; Musculoskeletal; Typing
Country: United States of America

115. Risk of Collision and Behavior Adequacy Assessment for Managing Human-Machine Interaction [View Paper]
Author: Bellet, T.; Bonnard, A.; Tattegrain-Veste, H.
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Adaptive Technology; Behavior adequacy; Collision avoidance; Driving; Human-machine cooperation
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116. Safeness and More Comfortable Living for the Elderly - Interaction Design for an Intelligent Domestic Control Device [View Paper]
Author: Ringbauer, Brigitte
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Elderly people; Requirements Engineering; Smart Home Technology; Touch screen prototype; Usability testing
Country: Germany

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Author: Jennings, V.; Kilner, A.; Paszkowicz, S.; Trepess, D.
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Broadcast; Information retrieval; Information search; Video; Visualization
Country: United Kingdom

118. Sitting Comfort of Office Chair Design [View Paper]
Author: Fujimaki, Goroh; Noro, Kageyu
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Discomfort; Office chair; Office work; Pressure map; Sitting
Country: Japan

119. A Study to Develop Public Work Environment Design Guidelines for Handling Personal Information [View Paper]
Author: Iizuka, Shigeyoshi; Nakajima, Shinya; Ogawa, Katsuhiko
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Design guidelines; Personal information; Public work environment; Reassurance; User enquete
Country: Japan

120. Sustainability in the E-Society Workplace - Theory and Reflection on ICT and Psychosocial Communication [View Paper]

Author: Bradley, Gunilla
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Communication; Convergence theory; ICT; Psychosocial; Sustainablility
Country: Sweden

121. Synthetic Environments: A Method for Human-Centred Design and Uninhabited Vehicle Research [View Paper]
Author: Mock, Melania; Newman, Pamela
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Human Factors Integration; Human-centered design; Process Map; Synthetic Environments; Uninhabited Vehicles
Country: United Kingdom

122. Tailoring Training Through the Use of Concept Mapping: An Investigation Into Improving Pilot Training [View Paper]
Author: Evans, A. William, III; Hoeft, Raegan M.; Jentsch, Florian G.; Kochan, Janeen A.
Volume: Volume 1 - Engineering Psychology, Health and Computer System Design
Keywords: Concept Mapping; Knowledge elicitation; Paper-and-pencil test; Pilots; Training
Country: United States of America

123. The Task as a Basic Object of Study in HCI System [View Paper]
Author: Bedny, Gregory; Chebykin, Olexiy; Karwowski, Waldemar
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Author: Cook, R.I.; Klock, P.A.; Nemeth, C.; O'Connor, M.
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Keywords: Acute care; Cognitive artifacts; Distributed cognition; Information Technology; Representations
Country: United States of America

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Author: Baihong, Chen; Guanqiang, Zhang; Rong, Yang; Wanli, Yang; Yan, Li
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Keywords: Chinese Scripts ; Mobile Phone Design; Reading comprehension; Text-Background color; User preference
Country: People's Republic of China

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Author: Skraaning, Gyrd, Jr.
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Keywords: Complex operating environments; disORDER; Experimental control; Experimental design; Realism
Country: Norway

128. Upper Extremity Mono-Neuropathy Among Engineers [View Paper]

Author: <u>Conlon, Craig</u>; <u>Rempel, David</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Carpal tunnel syndrome</u>; <u>Computer</u>; <u>Engineers</u>; <u>Neuropathy</u>; <u>Upper extremity</u>
Country: <u>United States of America</u>

129. The Usage of Notebook Input Devices in the Context of RSI Risks [<u>View Paper</u>]
Author: <u>Sutter, Christine</u>; <u>Ziefle, Martina</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Input devices</u>; <u>Muscular load</u>; <u>Notebook</u>; <u>Office work</u>; <u>RSI</u>
Country: <u>Germany</u>

130. The Use of Mobile Devices by West Nile Virus Field Workers [<u>View Paper</u>]
Author: <u>Fuhrmann, Sven</u>; <u>Huang, Haiyan</u>; <u>MacEachren, Alan</u>; <u>McNeese, Michael D.</u>; <u>Terrell, Ivanna S.</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Emergency management </u>; <u>GIS</u>; <u>Handhelds</u>; <u>Mobile devices</u>; <u>System development</u>
Country: <u>United States of America</u>

131. A User Based Framework to Support Multitasking on a Mobile Device [<u>View Paper</u>]
Author: <u>Nagata, Stacey F.</u>; <u>Neerincx, Mark A.</u>; <u>van Oostendorp, Herre</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Interruption</u>; <u>Mobile devices</u>; <u>Modality</u>; <u>Multitasking</u>; <u>User interaction</u>
Country: <u>Netherlands</u>

132. User Support Design to Enhance Motivation for Troubleshooting [<u>View Paper</u>]
Author: <u>Miyamoto, Masaru</u>; <u>Nakatani, Momoko</u>; <u>Yonemura, Shunichi</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Call centers</u>; <u>Computer anxiety</u>; <u>Design</u>; <u>Internet</u>; <u>User support</u>
Country: <u>Japan</u>

133. Using a More Complex Task to Compare Anisotropic Effects of LCD-TFT and CRT Screens
[<u>View Paper</u>]
Author: <u>Groeger, Thomas</u>; <u>Oetjen, Sophie</u>; <u>Ziefle, Martina</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Anisotropy</u>; <u>LCD TFT CRT</u>; <u>Task type</u>; <u>Viewing angle</u>; <u>Visual performance</u>
Country: <u>Germany</u>

134. Using Abstract Functional Information to Offset Incomplete Answers in Troubleshooting
[<u>View Paper</u>]
Author: <u>Miyamoto, Masaru</u>; <u>Nakatani, Momoko</u>; <u>Yonemura, Shunichi</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Constraint relaxation</u>; <u>Ecological Interface Design</u>; <u>Problem solving</u>; <u>Troubleshooting</u>; <u>Trust</u>
Country: <u>Japan</u>

135. Using the Lens Model Framework to Characterize Compensatory and Noncompensatory Decision
Making Strategies [<u>View Paper</u>]
Author: <u>Kirlik, Alex</u>; <u>Rothrock, Ling</u>; <u>Yin, Jing</u>
Volume: <u>Volume 1 - Engineering Psychology, Health and Computer System Design</u>
Keywords: <u>Decision Making</u>; <u>Dynamic Decision Making</u>; <u>Judgment</u>; <u>Lens Model</u>; <u>Noncompensatory Models</u>
Country: <u>United States of America</u>

136. Visual Discomfort During VDU Work After LASIK Surgery [<u>View Paper</u>]
Author: <u>Aakre, Bente Monica</u>; <u>Aaras, Arne</u>; <u>Bruenech, Jan Richard</u>; <u>Doughty, Michael J.</u>; <u>Helland, Magne</u>; <u>Horgen, Gunnar</u>
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Keywords: <u>Contact lens</u>; <u>Dry eye</u>; <u>LASIK</u>; <u>VDU work</u>; <u>Visual discomfort</u>

Country: [Norway](); [Scotland]()

137. "Walk Up and Use": HFE Considerations in the Design of Retail Self Service Devices [[View Paper]()]
Author: [Cook, Kate](); [Faulkner, Stefan]()
Volume: [Volume 1 - Engineering Psychology, Health and Computer System Design]()
Keywords: [Automation](); [Checkout](); [Retail](); [Self-service](); [Usability]()
Country: [United Kingdom]()

138. The Way Forward for Cognitive Environments; Improving the Design Process of Mobile Applications or Services [[View Paper]()]
Author: [Kempen, Masja H.](); [Salden, Alfons H.]()
Volume: [Volume 1 - Engineering Psychology, Health and Computer System Design]()
Keywords: [Cognitive environment](); [Design process](); [Grid architecture](); [Mobile application or service developer](); [Support system]()
Country: [Netherlands]()

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Author: [Cremers, Anita H.M.](); [Hilhorst, Bart](); [Vermeeren, Arnold P.O.S.]()
Volume: [Volume 1 - Engineering Psychology, Health and Computer System Design]()
Keywords: [Meeting browser](); [Meeting memory](); [Meeting paradigm](); [User interface concept](); [User-centered design]()
Country: [Netherlands]()

140. Work Risk Evaluation by Psychosomatic Load Symptoms [[View Paper]()]
Author: [Pacholski, Leszek](); [Wejman, Malgorzata]()
Volume: [Volume 1 - Engineering Psychology, Health and Computer System Design]()
Keywords: [Ergonomic control list](); [Hazard](); [Occupational risk](); [Psychosomatic load symptoms](); [Risk evaluation]()
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   Keywords: Automated analysis tool; Clustering; Usability; Usage patterns; Web usage mining
   Country: Germany

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   Keywords: Articulation between content and document; Digital documents; Distinction between content and style; Work on content; Wysiwyg
   Country: France

6. Augmenting Internet Browser History with Contextual Visual Representations [View Paper]
   Author: Groth, Dennis P.; Murphy, Benjamin W.
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Cobrowsing; Information provenance; Interaction design; Navigation history; Web page annotation
   Country: United States of America

7. Authentication Using Graphical Passwords: Basic Results [View Paper]
   Author: Birget, Jean-Camille; Brodskiy, Alex; Memon, Nasir; Waters, Jim; Wiedenbeck, Susan
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Alphanumeric passwords; Authentication; Graphical passwords; Password security; Usable security
   Country: United States of America

8. Case Study: Virus Outbreak User Experience in Different Regions [View Paper]
   Author: Yang, Yanxia
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Culture difference; Ethnographic interviewing; Network security; User experience; Virus outbreak
   Country: United States of America

9. Challenges in Conducting User-Centered Evaluations of Mobile Services [View Paper]
   Author: Folstad, Asbjorn; Rahlff, Odd-Wiking
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Handheld computer; Mobile information systems; Mobile services; Multi-method evaluation; User-centered evaluation
   Country: Norway

10. Communication and Lifestyle in the IT Era [View Paper]
    Author: Kambara, Minako
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Communication; Digital divide; Home; Internet lifestyle; Japan
    Country: Japan

11. Comparing Two Multi-Criteria Decision Making Theories for the Design of Web-Based Individualised Assistance [View Paper]
    Author: Kabassi, Katerina; Virvou, Maria
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Adaptive interfaces; Graphical User Interface (GUI); Human-Computer Interaction (HCI); Multi-criteria decision making; User modeling
    Country: Greece

12. Comparison of Annual Results of the Questionnaire of Investment Environment and Risk Survey in Mainland China by Evidential Dominance Rules [View Paper]
    Author: Kume, Yasufumi; Liu, Chung-Yong
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Environment; Evidential dominance; Investment; Risk; Survey in mainland China
    Country: Japan

13. Controlling Networked Appliance Using Voice-Enabled Web Browser on the Internet [View Paper]
    Author: Choi, Eunjeong; Park, Junsuk
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Home automation; HTML; SALT; UPnP; Voice-enabled web browser
    Country: Korea

14. Conversation Support for Persistent Mobile Interaction [View Paper]
    Author: Wiberg, Mikael
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Asynchronous; Mobile; Persistant conversation; Persistant interaction; Synchronous
    Country: Sweden

15. Cross Cultural Web Design [View Paper]
    Author: Choong, Yee-Yin; Plocher, Tom; Rau, Pei-Luen Patrick
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Cross-cultural design; Cultural differences; Design guidelines; International usability; Time cognition
    Country: People's Republic of China; United States of America

16. Cultural Fit as User's Perceptual Lens: Focusing on Mobile Internet Users' Post-Adoption Behavior

[View Paper]
Author: Choi, Boreum; Kim, Jinwoo; Lee, Inseong
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Adoption; Culture; Individualism; Mobile services; Uncertainty avoidance
Country: Korea

17. DAWN: Dynamic Aural Web Navigation [View Paper]
   Author: Annamalai, Narayan; Gupta, Gopal; Nichols, Michael; Raman, Sriram Sunder; Reddy, Hemambaradara
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Aural browsing; Universal accessibility; Visual impairments; VoiceXML; Web accessibility
   Country: United States of America

18. Decision Support System for Recalling Defective Products [View Paper]
   Author: Kobayashi, Yuichi; Ota, Nobuyuki; Taniguchi, Yoji
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Product recall; RFID; Supply chain visibility; Trace information; Traceability
   Country: Japan

19. Derivation and Validation of Optimal Vibration Characteristics for Pleasure and Attention:
   Implication for Cell Phone Design [View Paper]
   Author: Hwang, Wonil; Park, Taezoon
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Cell phone; Cell phone design; Design; Human-Computer Interaction (HCI); Vibration characteristics
   Country: United States of America

20. Design and Usability of Interactive Voice Response Systems for Emerging Markets [View Paper]
   Author: Bali, Kalika; Nohwar, Abhimanyu; Prabhu, Beena; Prabhu, Girish V.
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Dialog design; Emerging markets; Interactive voice response; User-centered design; Wizard of oz test
   Country: India

21. The Design of Hybrid Shopping Systems for Traditional City-Center Shops – Lessons from the
   ShopLab Project [View Paper]
   Author: Booth, Stuart; Jehn, Beate; Khakzar, Karim; Pohl, Hans-Martin
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Hybrid Shopping Systems; Interactive installation; Traditional city-center retailing; User-centered design
   process; Visualization of product information
   Country: Germany

22. Designing Against Mainstream Design - A Challenge for Mobile Device User Interface Development
   [View Paper]
   Author: Repokari, Lauri
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Keypad layout design; Mental model; Mobile Phone Design; Mobile phone usability ; Small display user
   interface
   Country: Finland

23. Designing the e-Commerce User Experience for China [View Paper]
   Author: Braun, Kelly; Dong, Jianming; Fu, Limin
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Chinese; Cognitive; Culture difference; Language; User experience
   Country: United States of America

24. The Development of a Concept Association Network Based Keyword Expansion Mechanism for Internet Environment [View Paper]
   Author: Tang, Kuo-Hao
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Keyword expansion; Search aid; Search engine; Small world; Spreading activation
   Country: Taiwan

25. Development of a Quake-proof Information Inference System by Using Data Mining Technology [View Paper]
   Author: Nakajima, Norihiro; Shu, Yufei
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Data mining; Human cognitive model; Machine learning; Neural networks; Quake-proof information management
   Country: Japan

26. Development of a Support Application to Provide an Improved Understanding of "Consumer Movement" [View Paper]
   Author: Anse, Michiko; Osawa, Kosuke; Tabe, Tsutomu
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Consumer movement; Product develop; Purchase behavior; Task support system; Verbal protocol analysis
   Country: Japan

27. Development of a Support System for Improving Internet-Store Based on the Consideration of Customer Satisfaction and Text Mining [View Paper]
   Author: Akiyama, Yasushi; Tabe, Tsutomu; Taguchi, Yumiko
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Customer satisfaction; Excellent customer; Support system; Text mining; Value portfolio
   Country: Japan

28. Development of a Web-Based Interactive Self-Help Troubleshooting Tool for Print Quality Problems [View Paper]
   Author: Allebach, Jan; Choe, Pilsung; Kim, Chulwoo; Lehto, Mark R.
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Customer troubleshooting; Help desk; Online customer support; Print quality problems; Self-help tool
   Country: United States of America

29. The Development of User Observation Method and Analysis Tool in Mobile Environment - With Emphasis on the Development of Observation Method at User's Point of View by Wearable Micro-Camera and Analysis Tool [View Paper]
   Author: Lee, Kun-Pyo; Oh, Young-Suk
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: Mobile usability; Observation tool; Task Analysis; Usability testing; User observation
   Country: Korea

30. DIF Knowledge Management System: Bridging Viewpoints for Interactive System Design [View Paper]
   Author: Chen, Yong; Cracchiolo, Deborah; He, Xiaoshan; Jung, Eui-Chul; MacTavish, Tom; Sato, Keiichi
   Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
   Keywords: CSCW; Design Information Framework (DIF); Design Knowledge Management System; Interactive system design; User-centered design process
   Country: United States of America

31. Differences in Web-Interaction Styles of Hard-of-Hearing and Hearing Persons [View Paper]
   Author: Kitajima, Muneo; Namatame, Miki

Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Accessibility; Eye-tracking experiment; Hard-of-hearing; Visual interface; Web interaction
Country: Japan

32. Distributed Participatory Design: A Case Study [View Paper]
Author: Danielsson, K.; Danielsson, U.
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Commercial product development; Education; Edutainment game; Participatory design; Teenagers
Country: Sweden

33. Domain Ontology Driven Adaptation of Graphical Information [View Paper]
Author: Guilcher, Pascal; Jelinek, Josef; Mikovec, Zdenek; Slavik, Pavel
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Country: Czech Republic; France

34. Dynamic Action Inquiry: A Systems Approach for Knowledge Based Organizational Learning
[View Paper]
Author: Mirijamdotter, Anita; Somerville, Mary M.
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Interactive learning; Knowledge management; Organizational learning; Processes of organizational meanings;
Soft Systems Methodology
Country: Sweden; United States of America

35. E-Commerce: Study of E-Relationship Management (ERM) in Irish Retailers' Context [View Paper]
Author: Ambekar-Shitre, Nishigandha; Fennell, Tom; Shitre, Nilesh
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: e-Commerce; e-Customers' Perceptual process; e-Relationship Management (eRM); Net exposure; Online Irish
Retailers
Country: Ireland

36. The Effect of Familiar Logos on Trust of Websites Designed for Small User Interfaces [View Paper]
Author: Caine, Bryce Eryn; Lowry, Paul Benjamin; Roberts, Tom
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Familiarity; Human-Computer Interaction (HCI); Usability; Websites; World Wide Web
Country: United States of America

37. Effects of Navigational Structure on Consumer Responses in an Online Shopping Environment
[View Paper]
Author: Garcia, F. Javier; Gomez, Miguel Angel; Lorenzo, Carlota; Molla, Alejandro
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Consumer responses; Navigational structure; Online shopping environment; User's internal states;
Webmosphere
Country: Spain

38. Effects of Prior Knowledge and User Habits on Utilization of Replacement Products [View Paper]
Author: Erbug, Cigdem; Kuleli, Kerem
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Product satisfaction; Product utilization; Replacement products; Television sets; User habits
Country: Turkey

39. An Empirical Assessment of Colour Use on the WWW [View Paper]
Author: Eibl, Maximilian; Mandl, Thomas
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Aesthetics; Color; Graphics; Internet; World Wide Web

Country: Germany

40. Empowering Service Organizations by Integrating Creativity and Knowledge Management Into the Service Development Process — Solutions for an Integrated Anagement of Creativity and Knowledge in the Service Process [View Paper]
Author: Karapidis, Alexander; Rath, H. Holger; Ritterskamp, Carsten; Schlegel, Thomas
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Creativity management; Knowledge management; LIKE Project; Service development process; Service engineering
Country: Germany

41. EnergyBrowser: Walking in the World Wide Web [View Paper]
Author: Minakuchi, Mitsuru; Nakamura, Satoshi; Tanaka, Katsumi
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Exercise; Gradual Web rendering; Lifestyle-related disease; Treadmill; Web browser
Country: Japan

42. Enhancing User Effectiveness When Searching for Information on the Web [View Paper]
Author: Efe, Kemal
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Information management; Interface controls; Navigation tools; Search engine interfaces; Topic narrowing
Country: United States of America

43. Environmental Aspects as a Basis of the Enterprise Strategy [View Paper]
Author: Kawecka-Endler, Aleksandra
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Enterprise strategy; Environmental management; Human Factors; Innovations; Production processes
Country: Poland

44. ErgoMonitor: Web Sites Environment Usability Monitoring Using the Log Files Analysis [View Paper]
Author: Cybis, Walter de Abreu; da Rocha, Heloisa Veira; Morandini, Marcelo; Schwerz, Andre Luiz
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Data mining; Human-Computer Interaction (HCI); Log File ; Usability Evaluation; Web Site Usability
Country: Brazil

45. An Evaluation of Immediate Instant Messaging [View Paper]
Author: Campbell, Jeffrey D.; Nolker, Robert D.; Zhang, Zhenxue
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Collaborative evaluation; Computer mediated communication; Instant messaging; Synchronous communication; Usability Evaluation
Country: United States of America

46. Expanding the Technology Acceptance Model: The Role of Organizational Characteristics and Individual Characteristics [View Paper]
Author: Dunham, Randall B.; Lee, Dongseop; Rhee, Young-Ho
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Attitude toward change; Ease of use and usefulness; Psychological stress; Satisfaction; Work characteristics
Country: South Korea; United States of America

47. Factors Influencing End-User Adoption of Mobile Music Services in Europe: A Field Experiment [View Paper]
Author: Vlachos, Pavlos A.; Vrechopoulos, Adam P.

Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Behavioral intentions; Mobile internet; Perceived service quality; PLS; Structural equation modeling
Country: Greece

48. Four Studies on Web Delay [View Paper]
Author: Galletta, Dennis; Henry, Ray; McCoy, Scott; Polak, Peter
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Attitudes; e-Commerce; Performance; Response time; Web site design
Country: United States of America

49. Giving the Main Role to Web Documents in a Distributed Text Based Persistent Conversation [View Paper]
Author: Eklundh, Kerstin Severinson; Rodriguez, Henrry
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Document discussion system; Document sharing system; Text based communication; Topic focus in CMC; Web documents
Country: Spain; Sweden

50. Group-Centered Personalization Technologies for Facilitating Organizational Learning [View Paper]
Author: Laarni, Jari; Ravaja, Niklas; Saari, Timo; Turpeinen, Marko
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Form or information; Group-level personalization; Knowledge work; Learning; Psychological Customization
Country: Finland

51. Guidelines and Standards for Web Usability [View Paper]
Author: Bevan, Nigel
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Guidelines; Standards; Usability; Web guidelines; Web usability
Country: United Kingdom

52. HCI Design for Pervasive Computing [View Paper]
Author: Loi, Daria A.; Roibas, Anxo Cereijo
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: HCI Design; Microdesign; Mobile communities; Ubiquitous communications; Usability
Country: Australia; United Kingdom

53. Hierarchical Classification of Web Search Results Using Personalized Ontologies [View Paper]
Author: Nakata, Keiichi; Singh, Amrish
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Hierarchical classification; Ontology; Personalization; Search result classification; Web searching
Country: Germany

54. A Hierarchical User-Driven Method for Association Rules Mining [View Paper]
Author: Couturier, Olivier; Nguifo, Engelbert Mephu; Noiret, Brigitte
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Association rules mining; Data visualization; Decision support system; Knowledge management; User-driven approach
Country: France

55. How Attribution of Presentation Flaws Affects Users' Website Experience [View Paper]
Author: Everard, Andrea
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Attribution theory; e-Commerce; Presentation flaws; Scenario-based experiments; Trust
Country: United States of America

56. The Impact of Different Cultures on E-Business Web Design – Comparison Research of Chinese (www.joyo.com) and American (www.amazon.com) [View Paper]
Author: Liu, Hui; Wang, Yabo; Xu, Shengyuan; Yuan, Xiaowei
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Culture; e-Business; Five dimensions; Interface; User
Country: People's Republic of China

57. Impact of User Centered Design Approach on the Marketing Department [View Paper]
Author: Koopmann, Thorsten; Laumann, Susanne; Woletz, Natalie
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Healthcare; Marketing; Organizational aspects; Process introduction; Usability
Country: Germany

58. Implications of Mobile Education [View Paper]
Author: Nah, Fiona Fui-Hoon; Sheng, Hong; Siau, Keng
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Means-ends network; Mobile education; Mobile learning; Value; Value-focused thinking
Country: United States of America

59. Improving the Usability of Web-Based Information Systems by Accounting for Content Provider Needs and Capabilities During the Information Architecture Process [View Paper]
Author: Komischke, Tobias; Reichenauer, Arno
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Content management; Content providers; Information architecture; Processes; User-centered design process
Country: Germany; United States of America

60. Information Acquiring Support System Based on Keyword Continuity and Informational Difficulty [View Paper]
Author: Nishihara, Yoko; Sunayama, Wataru; Yachida, Masahiko
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Information retrieval; Knowledge continuity; Knowledge difficulty; Unfamiliar concept understanding; World Wide Web
Country: Japan

61. Information Display by Wearable Pneumatic Tactile Interface [View Paper]
Author: Kim, Yeongmi; Ryu, Jeha
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Human factor study; Information of directions & text; Pneumatic tactile interface; Tactile display design; Wearable haptic device
Country: Korea

62. Information Model of a Virtual Community to Support Customer Cooperative Product Configuration [View Paper]
Author: Leckner, Thomas; Schlichter, Johann
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Collaborative shopping; CSCW; Customer community; Customer support; Product configuration
Country: Germany

63. An Integrated Approach for Semantics-Driven Information Retrieval [View Paper]
Author: Kunz, Christoph
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Contextualization of search results; Networked information; Ontology; Semantic information retrieval; User

interface
Country: Germany

64. Integrating Interaction and Service Workflow Models by Object-Orientation [View Paper]
Author: Schlegel, Thomas
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Interaction models; IT-based services; Object oriented service models; Soft artifacts; Workflow models
Country: Germany

65. Intelligent Wearable Assistance System for Human Environment Interaction [View Paper]
Author: Choi, Jin; Han, Taewoo; Seo, Yong-Ho; Yang, Hyun S.
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Assistance system; Context sensing; Interaction; Ubiquitous Computing; Wearable Computing
Country: Korea

66. Interactive Visual Association Rules Modeling [View Paper]
Author: Liu, Yan; Salvendy, Gavriel
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Association rules; Automatic; Data mining; Interaction; Visualization
Country: People's Republic of China

67. Intercultural Aspects of Design and Interaction with Retrieval Systems [View Paper]
Author: Kralisch, Anett; Mandl, Thomas
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Cross-cultural usability; Human-Computer Interaction (HCI); Information retrieval systems; Intercultural research; Research taxonomy
Country: Germany

68. An Interface of Multi-Viewpoint Maps for Re-Using Software Products [View Paper]
Author: Kume, Terunobu; Misue, Kazuo; Ugai, Takanori
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Human map; Product map; Software recycling; Software reuse; Two dimensional map
Country: Japan

69. Investigating Privacy-Augmented Displays for Mobile Devices [View Paper]
Author: Grimes, Andrea; Tarasewich, Peter
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Information display; Mobile devices; Privacy; Public; Security
Country: United States of America

70. IT-Based Services in Postal Logistics [View Paper]
Author: Laqua, Roland; Pulm, Stephan; Rothbock, Jurgen
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Co-design and co-matrix; Complexity; Postal logistics; TQM; Tracking and tracing
Country: Germany

71. Japanese and Hangul Text Entry Time on Mobile Phone, and Handwriting [View Paper]
Author: Choi, Sooja; Tamura, Hiroshi
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Cell phone; Hand writing; Hangul; Japanese; Text entry
Country: Japan; Korea

72. K-eXplorer: K-Tai (Smart Phone) Interface for Mixed Reality [View Paper]

Author: Eguchi, Hiroyuki; Hashimoto, Daisuke; Ikei, Yasushi
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Database; Real-world object; Smart phones; Tags; Ubiquitous access
Country: Japan

73. Knowledge Management for Virtual Collaborative Product Development [View Paper]
Author: Fu, Qiu Yuan; Helander, Martin G.; Ping, Chui Yoon
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Collaborative; Decision Making; Knowledge management; Product development; Virtual team
Country: Singapore

74. Measurement of User Satisfaction with an Intranet Site and Its Relationship with the Usage [View Paper]
Author: Lu, Mei; Mueller, E.C.
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Ease of use; Intranets; Usage; Usefulness; User satisfaction
Country: United States of America

75. Method of Utilizing the Valuable Knowledge of a Company - Integration of Information Lifecycle Management and Knowledge Management [View Paper]
Author: Ishii, Gaku; Nakayama, Yasuko
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Groupware; Knowledge center; Knowledge utilization; Maturity index; Process design
Country: Japan

76. Multi-Channel and Multi-Modal Interactions in e-Marketing: Toward a Generic Architecture for Integration and Experimentation [View Paper]
Author: Chevrin, Vincent; Derycke, Alain; Rouillard, Jose
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Country: France

77. Negative Emotions in E-Business [View Paper]
Author: Horn, Diana Bess; Oldenburger, Kristen
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: CRM; e-Business; e-Commerce; Emotion; Hedonics
Country: United States of America

78. NetWork Oasis: Creativity Supporting Hybrid Space [View Paper]
Author: Esko, Marjomaa; Evgenia, Chernenko; Tatiana, Glotova
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Creativity; Hybrid space; Innovative working environments; Organizational knowledge creation; Virtual community
Country: Finland

79. Older Users and the Web [View Paper]
Author: Ahmadi, Michael; Bailey, Robert W.; Changkit, Marcia; Harley, Kim; Koyani, Sanjay
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Gerontology; Older adults; Older adults and the web; Usability; Usability testing
Country: United States of America

80. Ontology Based Auditing in Complex Organizations [View Paper]
Author: Gehrmann, Andreas; Ishizu, Syohei
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Genetic management standard; ISO 9000 family ; knowledge acquisition; Ontorogy; System auditing

Country: Japan

81. Optimizing the Pause Length Before Presentation of Global Navigation Commands [View Paper]
    Author: Commarford, Patrick M.; Lewis, James R.
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Interactive voice response; Pause length; Speech user interface; Voice response unit; Voice user interface
    Country: United States of America

82. Organizational Aspects of the Introduction of a User-Centered Design Process [View Paper]
    Author: Woletz, Natalie; Zimmermann, Dirk
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Case study; Effectiveness; Efficiency; Process implementation; User-centered design
    Country: Germany; United States of America

83. An Overview of Human Factors in Web and Application Design [View Paper]
    Author: Proctor, Robert W.; Vu, Kim-Phuong L.
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Computer applications; e-Commerce; Privacy and security; Usability; Web design
    Country: United States of America

84. Pair Writing: Towards Agile Participatory Design [View Paper]
    Author: Sari, Eunice Ratna; Tedjasaputra, Adi B.
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Agile; Design management; Iterative phase model; Pair writing; Participatory design
    Country: Indonesia

85. Personalization of Web Services: A Study on the Fit Between Web Tasks and Personalization Mechanisms [View Paper]
    Author: Ling, Min; Nah, Fiona Fui-Hoon; Siau, Keng
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Cognitive fit theory; Fit between task and personalization; User satisfaction and performance; Web personalization; Web task
    Country: United States of America

86. The Pervasively Low Accessibility Rate of Websites: A Cross-Disciplinary Analysis of Validation Results [View Paper]
    Author: Romano, Nicholas C., Jr.
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Disabilities; Validation; W3C Guidelines; Website accessibility; Website design
    Country: United States of America

87. Point of Sale Information Tracking: Do Retail Stores Know More About You Than You Want Them To? [View Paper]
    Author: Jones, Brian M.
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Information sharing; Privacy; Security; Smart cards; Trust
    Country: United States of America

88. Possibility of Introducing Electronic Data Interchange (EDI) in an Enterprise [View Paper]
    Author: Gorska, Ewa; Lewandowski, Jerzy
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Business partners analysis; Determining resources; Electronic data interchange; IDoc; Information flow
    Country: Poland

89. Prevention-Oriented Communication Between Customers and Suppliers: Test of a Structural Model [View Paper]
    Author: Kramer, Bjorn; Zimolong, Bernhard
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Communication; Health; Procurement; Safety; Trust
    Country: Germany

90. Principles and Practice of Improving Web Interaction on Small-Screen Terminals [View Paper]
    Author: Chen, Wenguang; Dong, Shihai; Wang, Guoping; Wang, Heng; Yue, Weining
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Interaction techniques; Mobile computing; Thumbnail; Web browsing; World Wide Web
    Country: People's Republic of China

91. Researching the eBay Cross Border Trade User Experience [View Paper]
    Author: Fan, Maureen
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Cross-border trade; Ethnography; International; Research; Usability tests
    Country: United States of America

92. Rethinking the Experience of Enterprise Reporting Solutions [View Paper]
    Author: Carignan, Joelle; Singh, Manik; Tomsky, Ben
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Business applications; Design process; Reporting and analysis; User experience design; User interface patterns
    Country: United States of America

93. A Robust, Context-Adaptive and Multimodal Search Engine for Efficient Information Retrieval in Car Environments [View Paper]
    Author: Ablassmeier, Markus; Gast, Juergen; McGlaun, Gregor; Poitschke, Tony; Rigoll, Gerhard
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Automotive; Cars; Driver information system; Menu structure; Search engine
    Country: Germany

94. The Role of Web Services in Collaborative Business Activities [View Paper]
    Author: Kise, Koichi; Maruo, Tomoaki; Matsumoto, Keinosuke; Mori, Naoki
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Business process model; Network model; Power trading systems; Service-oriented architecture; Web services
    Country: Japan

95. Scorekeeping with Smart Phones Mobile Solution for Outdoor Team Sports Tournaments [View Paper]
    Author: Soinio, Asmo; Suomela, Hartti
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Java; Mobile systems; Scorekeeping; Smart phones; Team sports
    Country: Finland

96. Service Engineering for IT Enabled Service Products [View Paper]
    Author: Meiren, Thomas; Schlegel, Thomas; van Husen, Christian
    Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
    Keywords: Co-design; New service development; Service design; Service engineering; Software engineering
    Country: Germany

97. Social Computing in the Real World: Collaborative Knowledge Creation in the Augmented Supermarket [View Paper]
Author: Novak, Jasminko
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Consumer communities; CSCW; Knowledge interfaces; Social computing; Ubiquitous Computing
Country: Germany

98. Specifying a Model to Explore the Role of Perceived Usefulness in Web-Based Information System Use [View Paper]
Author: Aziz, Maryam; Macredie, Robert
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Human-Computer Interaction (HCI); Information processing; Perceived usefulness; Perceptual measures ; Usability issues
Country: United Kingdom

99. A Strategy Deployment Appraisal Method for Balanced Scorecard by Covariance Structural Analysis [View Paper]
Author: Inuzuka, Ryosuke; Ota, Morihito; Sakamoto, Katsuhiro; Tabe, Tsutomu; Watanabe, Junichi
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Balanced scorecard; Covariance structure analysis; KPI; Strategic deploy; Strategic target
Country: Japan

100. The Structure Design of Smart Phone User Interface [View Paper]
Author: Jiang, Xubo; Li, Qianqian; Liu, Xiaowei; Yuan, Xiaowei
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Function; Interaction models; Menu; Smart phones; User interface
Country: People's Republic of China

101. Success Factors of Knowledge Sharing in Virtual Co-Operation [View Paper]
Author: Maki-Komsi, Saija; Poyry, Paivi
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Communities of practice; Knowledge management; Success factors; Virtual co-operation; Virtual work
Country: Finland

102. A Survey of Human Oriented Research on Collaborative Design [View Paper]
Author: Chen, Vivien Hsueh-Hua; Duh, Henry Been-Lirn; Ma, Jian
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Collaborative design; Human Factors; Human-centered design; Human-Computer Interaction (HCI); Teamwork
Country: Singapore

103. Survey on Quality Models to Measure the Quality of Web Sites and Applications [View Paper]
Author: C., F. Javier Garcia; Gallud, Jose Antonio; Lorenzo, Carlota; Lozano, Maria; Montero, Francisco; Penichet, Victor M.R.
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Quality metrics; Quality models; Usability; Web development; Web quality
Country: Spain

104. Synchronous Online Scheduling [View Paper]
Author: Powell, Aaron; Rosson, Mary Beth; Xiao, Lu
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: CSCW; Media richness; Media selection; Synchronous scheduling; Unequal media access
Country: United States of America

105. Time and Error Analysis of Cellular Text Entry, Measured in Classes with Large Number of Students [View Paper]
Author: Choui, Masami; Tamura, Hiroshi; Ueniinai, Sayaka
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Cell phone; Error analyses; Reverse order; Text entry time; Visual ambiguity
Country: Japan

106. Time, Place, Purpose and Personal Profile Based Information Retrieval for Recommendation Service in Mobile Environment [View Paper]
Author: Kato, Toshikazu; Pinyapong, Sineenard
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: DB Query; Mobile services; Preference; Recommendation; Time place purpose
Country: Japan

107. Topic Collection Support by Clustering Web Pages Based on Topical Independence [View Paper]
Author: Iyama, Akihiro; Sunayama, Wataru; Yachida, Masahiko
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Idea generation support; Information retrieval; Topic collection; Topical independence; Web clustering
Country: Japan

108. Towards Automated Web Pages Structure Discovery: A Progress Report [View Paper]
Author: Pontelli, Enrico
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Agent-based navigation; Machine learning; Structure discovery; Visual impairments; Web accessibility
Country: United States of America

109. TPO-Based Recommendation Service with Personal Situation Model [View Paper]
Author: Kato, Toshikazu; Kimura, So; Shinohara, Isao
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Mental modeling; Multiple interpretation; Ontology; Recommendation system; Situation model
Country: Japan

110. A Trial to Support the Store Improvement Task by Using Text Mining - As Case of Small and Medium-Sized Supermarkets in Japan [View Paper]
Author: Tabe, Tsutomu; Taguchi, Yumiko
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Free response data; Japan; Small and medium-sized supermarkets; Store improvement task; Text mining
Country: Japan

111. ubiFloorII: User Tracking and Identification System Using Photo Interrupters [View Paper]
Author: Ryu, Jeha; Woo, Woontack; Yun, Jaeseok
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Stepping-feature; ubiFloorII; User identification; User tracking; Walking-feature
Country: South Korea

112. UMAR: A Modeling of Multimodal Artefact [View Paper]
Author: de Loor, Pierre; Kahn, Julien; Le Bodic, Laurent
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Modality; Multimodality; Pattern; Statecharts; Task model
Country: France

113. Understanding Online Consumers: A More Complete Picture [View Paper]
Author: Kraft, Frederic B.; Volk, Fred

Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Consumer behavior; Decision Making; e-Commerce; Online consumers; Understanding users
Country: United States of America

114. Usability and User-Centered Development (UCD) for Smart Phones – The Mobile Learning Engine (MLE) a User Centered Development Approach for a Rich Content Application [View Paper]
Author: Holzinger, Andreas; Meisenberger, Matthias; Nischelwitzer, Alexander
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: e-Learning; Mobile computing; Mobile learning; Multimedia-based learning; Smart phones
Country: Austria

115. Usability Evaluation in the SEWASIE (SEmantic Webs and AgentS in Integrated Economies) Project [View Paper]
Author: Catarci, Tiziana; Di Mascio, Tania; Dongilli, Paolo; Franconi, Enrico; Santucci, Giuseppe; Tessaris, Sergio
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Evaluation; Human-Computer Interaction (HCI); Ontology; Usability; User-centered design methodology
Country: Italy

116. User Acceptance and Usage of Employee Self-Services [View Paper]
Author: Christophersen, Timo; Konradt, Udo; Schaeffer-Kuelz, Ute
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Business integration; Employee Self-Services; Extranets; Intranets; Technology Acceptance Model
Country: Germany

117. User Search Strategy in Web Searching [View Paper]
Author: Fang, Xiaowen
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Browsing; Information retrieval; Search engine; Web searching; World Wide Web
Country: United States of America

118. Users Satisfaction with Five New Cell Phone Features [View Paper]
Author: Hwang, Wonil; Ling, Chen
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Cell phone; Feature design; Mobile devices; Usability; User satisfaction
Country: United States of America

119. Users' Metaphoric Interaction with the Internet [View Paper]
Author: Hogan, Amy
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Internet; Metaphor; Q Methodology; Technology; User centricity
Country: United Kingdom

120. Voice-Controlled Browser Using Information on the Positions of Words in the Browser Window [View Paper]
Author: Miwa, Susumu; Ohyama, Minoru; Yuasa, Masahide
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Human-Computer Interaction (HCI); Hypertext; Voice recognize; Web browser; World Wide Web
Country: Japan

121. Web-Based Presentation of Information: The Top Ten Mistakes and Why They Are Mistakes [View Paper]
Author: Tullis, Thomas S.
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing

Keywords: Design errors; Guidelines; Information presentation; Usability; Web design
Country: United States of America

122. Web-Based Programs and Applications for Business [View Paper]
Author: Dumas, Joseph S.; Vaughan, Misha W.
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Business software; Business-to-business commerce; e-Commerce; User interface design; Web applications
Country: United States of America

123. WebQuest: A Configurable Web Tool to Prospect the User Profile and User Subjective Satisfaction
[View Paper]
Author: de Oliveira, Rodrigo Cesar Lobo; de Queiroz, Jose Eustaquio Rangel; Vieira Turnell, Maria de Fatima Queiroz
Volume: Volume 2 - The Management of Information: E-Business, the Web, and Mobile Computing
Keywords: Subjective satisfaction; Usability Evaluation; User interface; User profile; Web questionnaires
Country: Brazil

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1. 3-D Imaging Accessibility for People with Disabilities [<u>View Paper</u>]
   Author: <u>Dunkel, Blake</u>; <u>Liberman, Paul</u>; <u>Loiacono, Eleanor T.</u>; <u>MacInnes, Jason</u>; <u>Watkins, Glenn</u>
   Volume: <u>Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications</u>
   Keywords: <u>3-D software</u>; <u>Accessibility</u>; <u>Disabilities</u>; <u>Human-Computer Interaction (HCI)</u>; <u>Imaging</u>
   Country: <u>United States of America</u>

2. 3D Direct Manipulation Interface by Human Body Posture and Gaze [<u>View Paper</u>]
   Author: <u>Arita, Daisaku</u>; <u>Takaki, Kazuya</u>; <u>Taniguchi, Rin-ichiro</u>; <u>Yonemoto, Satoshi</u>
   Volume: <u>Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications</u>
   Keywords: <u>3D direct manipulation</u>; <u>Gaze detection</u>; <u>Gaze utilization</u>; <u>Real-virtual interaction</u>
   Country: <u>Japan</u>

3. 3MMM: 3D Manipulation Using Macro-Micro Kinematics [<u>View Paper</u>]
   Author: <u>AlRegib, Ghassan</u>; <u>Bouzit, Mourad</u>; <u>Juang, Biing Hwang</u>
   Volume: <u>Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications</u>
   Keywords: <u>Micro-Macro Kinematics</u>; <u>Object manipulation</u>; <u>Shared reality</u>; <u>Smart 3D Objects</u>
   Country: <u>United States of America</u>

4. The 7C's: An Iterative Process for Generating Pattern Components [<u>View Paper</u>]
   Author: <u>Gaffar, Ashraf</u>
   Volume: <u>Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications</u>
   Keywords: <u>Digital pattern library</u>; <u>Effective pattern dissemination</u>; <u>Generic pattern model</u>; <u>Pattern components</u>; <u>Pattern semantics encapsulation</u>
   Country: <u>Canada</u>

5. Accessible Java Application User Interface Design Guidelines [<u>View Paper</u>]
   Author: <u>Najjar, Lawrence J.</u>
   Volume: <u>Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications</u>
   Keywords: <u>Accessibility</u>; <u>Java application accessibility</u>; <u>Section 508</u>; <u>User interface design guidelines</u>
   Country: <u>United States of America</u>

6. Accommodating Individual Differences in Usability Studies on Consumer Products [<u>View Paper</u>]
   Author: <u>Berkman, Ali Emre</u>; <u>Erbug, Cigdem</u>
   Volume: <u>Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications</u>
   Keywords: <u>Expertise</u>; <u>Individual differences</u>; <u>Representative sampling</u>; <u>Usability studies</u>
   Country: <u>Turkey</u>

7. Activities for Accessibility in IBM Japan [<u>View Paper</u>]
   Author: <u>Iizuka, Shinji</u>; <u>Kitamura, Kohzoh</u>
   Volume: <u>Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications</u>
   Keywords: <u>Accessibility</u>; <u>Senior citizens</u>; <u>Wasy Web Brousing (EWB)</u>; <u>Web site</u>
   Country: <u>Japan</u>

8. Alphanumeric and Graphical Authentication Solutions: A Comparative Evaluation [<u>View Paper</u>]
   Author: <u>Holden, Stephen H.</u>; <u>Ozok, A. Ant</u>
   Volume: <u>Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications</u>

Keywords: Authentication; Passfaces; Passwords; Security; Usability
Country: United States of America

9. Ambient Art: Information Without Attention [View Paper]
   Author: Beale, Russell
   Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
   Keywords: Ambient; Art; Art theory; Information visualization
   Country: United Kingdom

10. Another Type of Talking ATM: ATM with Tactile Symbols for Visually Impaired Users [View Paper]
    Author: Hirano, Kazuhiko; Miki, Hiroyuki; Nomura, Masatoshi; Suzuki, Kunikazu
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: ATM; GUI button; Guidelines; Interactive design; Tactile Symbol Type (TST)
    Country: Japan

11. Aromatic Feedback for Ambient and Implicit Interfaces [View Paper]
    Author: Asai, Kikuo; Kobayashi, Hideaki; Osawa, Noritaka
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Aromatic feedback; Differentiation of multiple scents; Differentiation of scent direction; Olfactory interfaces; Subjective preference for scents
    Country: Japan

12. The Benefits of the Formal Approaches in User Interface Design and Specification [View Paper]
    Author: Moussa, Faouzi
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Formal approach; Generation; Specification; User interface
    Country: Tunisie

13. Blended Maps and Layered Semantics for a Tourist Mobile Guide [View Paper]
    Author: Coninx, Karin; Houben, Geert; Luyten, Kris; Winters, Frederik
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Graphical User Interface (GUI); Maps; Mobile guides; Mobile systems; Tourist
    Country: Belgium

14. Building Functional Tell and Ask Interfaces: Issues and Challenges [View Paper]
    Author: Jones, Josette F.
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Knowledge structures; Task-related searching; Tell-and-ask interfaces; User search behavior; Web log analyses
    Country: United States of America

15. Can We Determine User Location in Commonplace Environments? [View Paper]
    Author: Power, Christopher; Xue, Yuan
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Active areas; Formal characterization; Location-aware applications; Performance evaluation; Pervasive computing
    Country: Canada

16. Cognitive Walkthrough with Users: An Alternative Dimension for Usability Methods [View Paper]
    Author: Granollers, T.; Lores, J.
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Evaluation Method; Real usability testing; Usability; User-centered design process; Working with users
    Country: Spain

17. A Comparison of Diagram and Text Query [View Paper]
    Author: Barlow, Todd; Volk, Fred
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Query; SQL; Usability; Visual
    Country: United States of America

18. Computer Environment and Automation in Building Designing Process [View Paper]
    Author: Charytonowicz, Jerzy; Sztajkowski, Krzysztof
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: 3D technical documentation; Automation in Building Designing Process; Human senses
    Country: Poland

19. The Convergence Theory on Information and Communication Technology (ICT) and the
    Psychosocial Life Environment – The Connected Home [View Paper]
    Author: Bradley, Gunilla
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Home; ICT; Network-organization; Psychosocial; Theory-convergence
    Country: Sweden

20. A Critique of Claims Analysis as a Usability Evaluation Aid [View Paper]
    Author: Theng, Yin-Leng
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Case studies; Heuristic evaluation; Usability Evaluation
    Country: Singapore

21. CSUM: A New Scale of Assessing Usability of Consumer Software [View Paper]
    Author: Guanqiang, Zhang; Jianzhong, Gao; Jinya, Zheng; Wanli, Yang; Yan, Li
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Item analysis; Norm; Usability Evaluation; User satisfaction
    Country: People's Republic of China

22. Current Activity and Policy of ISO/IEC JTC1/SC35/WG6 in Japan for Accessibility Guideline
    [View Paper]
    Author: Seki, Yoshikazu; Suzuki, Satoshi
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Accessibility; Information equipment; IS 9241-171; JTC1/SC35/WG6; TC159/SC4
    Country: Japan

23. Design and Implementation of Model Generating Tool Software for Manufacturing Systems
    [View Paper]
    Author: Hashmi, M.S.J; Mujber, T.S.; Szecsi, T.
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Head Mounted Display; Manufacturing systems; Process modeling; Simulation; Virtual Reality
    Country: Ireland

24. Designing and Implementing a Gesture Mouse [View Paper]
    Author: Duric, Z.; Harmony, D.; Lawson, E.
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Gesture recognition; Human-Computer Interaction (HCI); K-means clustering
    Country: United States of America

25. Designing Mona: User Interactions with a Multimodal Mobile Game [View Paper]
    Author: Anegg, Hermann; Baillie, Lynne; Gassner, Alexander; Niklfeld, Georg; Pucher, ; Schatz, Raimund; Simon, Rainer;

Wegscheider, Florian
Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
Keywords: Mobile; Multimodal Interfaces; Participatory design; Usability; User-centered
Country: Austria

26. Developing Mathematics Skills Through Audio Interfaces [View Paper]
Author: Saenz, Mauricio; Sanchez, Jaime
Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
Keywords: Audio-based navigation; Blind children; Interfaces for blind children; Mathematics learning; Usability
Country: Chile

27. Developing Techniques for Visualising Scenarios [View Paper]
Author: Aikio, Kari-Pekka; Jokela, Timo; Jounila, Ilari
Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
Keywords: Low-fidelity prototyping; Scenarios; Usability requirements; User-centered design; Visualization
Country: Finland

28. Development of Accessibility Tool for Elderly People [View Paper]
Author: Kobayashi, Daiji; Takahashi, Yuichi; Yamamoto, Sakae
Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
Keywords: Assistive Technology; Elderly people; Web accessibility; Web accessibility tool
Country: Japan

29. A Development of Pocket Museum for Spontaneous Learning Over Cross-Disciplinary Fields [View Paper]
Author: Abe, Naoyuki; Higuchi, Yuki; Mitsuishi, Takashi; Okada, Roberto
Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
Keywords: Digital archive; Learning process; Learning system; Museums; Recommendation
Country: Japan

30. Development of Townscape Evaluation System for Colour Planning Support [View Paper]
Author: Cooper, Eric W.; Hoshino, Yukinobu; Kamei, Katsuari; Kinoshita, Yuichiro
Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
Keywords: Evaluation; Kansei engineering; Support system; Townscape
Country: Japan

31. DHCI: An HCI Framework in Distributed Environment [View Paper]
Author: Li, Xizhi
Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
Keywords: Game engine; Human-Computer Interaction (HCI); MAS; NPL; Web agent framework
Country: People's Republic of China

32. Digital Museums: A Multi-Technological Approach [View Paper]
Author: Argandona, L.; Gallud, Jose Antonio; Garcia, J.A.; Gonzalez, Pascual; Penichet, Victor M.R.
Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
Keywords: Digital museum; Mobile application; Mobile device user interfaces; Multi-technological approach; Real scenario
Country: Spain

33. Digital Paper Concept for Reflective Writing by Seamless Traverse Between Handwritten and Coded Information [View Paper]
Author: Iwata, Mitsuru; Kamura, Shinjiro; Tano, Shun'ichi
Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
Keywords: Digital paper; Intelligent work; Pen-based UI; Reflective cognition
Country: Japan

34. DirectShare: Information Sharing System Using P2P [View Paper]
    Author: Sato, Yuichi; Sazawa, Shinichi; Senta, Yosuke
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Distributed systems; Peer-to-peer; Teleconference; Ubiquitous working environment; Work organization
    Country: Japan

35. A Dynamic Gesture Based Docking Simulation System [View Paper]
    Author: Choi, Youngin; Jung, Seunho; Kim, Jee-In; Lee, Jun; Park, Sunjun
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Docking simulation; Gesture-based interaction; Interaction techniques; Molecular modeling; Three dimensional user interface
    Country: Korea

36. Effects of Mass Marketed Software Products on the Evolution of Software Interface Language. [View Paper]
    Author: Dino, Ekin; Erbug, Cigdem
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Interface language; Software design; Software products; User experiences; User satisfaction
    Country: Turkey

37. EmoTV1: Annotation of Real-Life Emotions for the Specification of Multimodal Affective Interfaces [View Paper]
    Author: Abrilian, S.; Buisine, Stephanie; Devillers, L.; Martin, Jean-Claude
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Affective interfaces; Emotion; Multimodal; Perception
    Country: France

38. Envisioning Human Communication System in Ubiquitous Network [View Paper]
    Author: Hirasawa, Naotake; Karashima, Mitsuhiko
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: u-Japan; Ubiquitous network; Video call
    Country: Japan

39. Evaluating the Benefit of Modelling Notations for PLC-Programming Quality [View Paper]
    Author: Friedrich, David; Vogel-Heuser, Birgit
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Evaluation; Process control engineering; Programmable logic controller; Unified Modeling Language; Usability testing
    Country: Germany

40. An Evaluation of Meaning and Content Quality in Hypermedia [View Paper]
    Author: Ficarra, Francisco V. Cipolla
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Hypermedia; Meaning; Metric; Quality; Semiotic
    Country: Italy

41. An Experimental Approach in Recognizing Synthesized Auditory Components in a Non-Visual Interaction with Documents [View Paper]
    Author: Argyropoulos, Vasilios; Karakosta, Theodora; Kouroupetroglou, Georgios; Xydas, Gerasimos
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Audio recognition; Psycho-acoustic experiments; Visual impairments; Visual structures; Voice browser
    Country: Greece

42. Exploiting Semantics and User Modeling for Enhanced User Support [View Paper]
    Author: Razmerita, Liana
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Knowledge management system; Ontology; Personalization; User profile
    Country: France

43. Fun in the Home: Guidelines for Evaluating Interactive Entertainment on the Web [View Paper]
    Author: Wiberg, Charlotte
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Entertainment; Funology; Heuristics; Home; Usability
    Country: Sweden

44. GlueBar: A Solution Pattern for Integrating Interfaces Into Self-Contained Applications
    [View Paper]
    Author: Grechenig, Thomas; Kappel, Karin; Koltringer, Thomas
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Case studies; e-Health; Graphical User Interface (GUI); Prototyping; User interface pattern
    Country: Austria

45. Guiding the Process of Requirements Elicitation with a Semiotic-Based Approach - A Case Study
    [View Paper]
    Author: Baranauskas, M. Cecilia C.; Medeiros, Claudia Bauzer; Schimiguel, Juliano; Simoni, Carlos A.C.
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Geographical Information Systems in the Web (WebGIS); Organizational semiotics; Participatory design;
    Requirements elicitation; User interface
    Country: Brazil

46. Heuristic Evaluation of Animated Help in Hypermedia [View Paper]
    Author: Ficarra, Francisco V. Cipolla
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Animation; Education; Evaluation; Method
    Country: Italy

47. Home of the Future and Information and Communication Technology (ICT): A Comparison
    Between Sweden and Japan [View Paper]
    Author: Bradley, Linda
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Home; ICT; Internet; Quality-of-life; Sweden-Japan
    Country: Sweden

48. How Do We Connect to the Future? - Visions – Reality – Vision of Broadband to the Home
    [View Paper]
    Author: Hrdlicka, Anna
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    Keywords: Broadband; Future; Home; Institute-for-home-research; Visions
    Country: Sweden

49. How to Present Awareness Information on Large Public Displays? [View Paper]
    Author: Memisoglu, Maral; Roecker, Carsten; Streitz, Norbert
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Awareness; Evaluation; Information representation; Large displays; Presence
    Country: Germany

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Author: Damiani, Sergio; Deregibus, Enrica; Montanari, Roberto; Morreale, Domenico
Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
Keywords: Analysis and design methods; Architectures for interaction; Human-Computer Interaction (HCI); Usability testing
Country: Italy

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Author: Bischof, Walter F.; Caelli, Terry; Zhou, Jun
Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
Keywords: Human-Computer Interaction (HCI); Kalman filtering; Map revision; Road tracking
Country: Australia; Canada

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Author: Hawala, Sam; Kang, Hyunmo; Zayatz, Laura
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Keywords: Direct manipulation; Disclosure avoidance; Information visualization; Microdata; Re-identification
Country: United States of America

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Keywords: Dialogue; Dialogue strategy; Interactive application
Country: Switzerland

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Author: Eibl, Maximilian; Mandl, Thomas
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Keywords: Aesthetics; Apparent usability; Study; Survey; Web journals
Country: Germany

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Author: Leite, Jair C.
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Keywords: Model-based user interface design; Semiotic engineering; User interface description language; XML-based user interface language
Country: Brazil

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Author: Bali, Kalika; Krishna, Ashish; Madhvanath, Sriganesh; Prabhu, Girish V.
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Keywords: Handwriting recognition; Indic scripts; Pen-based interfaces; Subjective usability study
Country: India

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Author: Hollan, Jim; Nomura, Saeko; Tamura, Hiroshi
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Keywords: Domestic-life; Ethnography; Home; Information management; Network
Country: Japan

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    Author: Jones, Arthur C.; McNeese, Michael D.
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    Keywords: Abstraction hierarchy; High-level design; Information system; Scalable; Systems engineering
    Country: United States of America

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    Author: Antonacopoulos, Apostolos; Papoulakis, George; Ritchings, Tim
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    Keywords: Augmented Environments; Finger tracking; Mobile computing application; OCR; Sign recognition
    Country: United Kingdom

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    Author: Bien, Zeungnam Zenn; Kim, Young-Min; Lee, Hyong-Euk
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    Keywords: Fuzzy incremental learning; Intention reading; Life-long learning; Living behavior pattern; Smart home
    Country: Korea

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    Author: Al-Hassani, Zak; Peng, Zhen; Ritchings, Tim
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Image processing; Intelligent systems; Mobile computing; Museums; Object recognition
    Country: United Kingdom

62. The Interaction Framework for Context Aware Systems [View Paper]
    Author: Ahn, Sangchul; Choy, Yoonchul; Kang, Donghoon; Ko, Heedong
    Volume: Volume 3 - Human-Computer Interfaces: Concepts, New Ideas, Better Usability, and Applications
    Keywords: Distributed network; Human-Computer Interaction (HCI); System architecture; Ubiquitous Computing
    Country: Korea

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    Author: Kobori, Ken-ichi; Nakamura, Norihiro; Nishio, Koji; Teshima, Yuji
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    Keywords: CAD; Distributed processing; Haptic device; Modeler; Voxel model
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    Author: Yamamoto, Sakae
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    Keywords: Accessibility; INSTAC; ISO; JEITA; JENC
    Country: Japan

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    Author: Inoue, Jiro; Mori, Hirohiko
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    Country: Japan

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    Author: Furuta, Kazuo; Yamazaki, Kazuhiko

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Keywords: Emotion; Kansei; Mail; User interface
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Author: Krems, Josef F.; Naumann, Anja
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Keywords: Global coherence; Hypertext; Navigation behavior; Situation model; Text comprehension
Country: Germany

68. Knowledge Explorer: An Interactive Tool for Supporting Cross-Community Discovery and Sharing of Knowledge [View Paper]
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Country: Germany

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Keywords: Film set; PSU-2; User interface complexity
Country: Germany

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Keywords: Cafeteria-style user interface; Digital content viewing environment; Interactive application; MPEG-7; State transition model
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Country: Japan

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Keywords: Fidelity; Scenarios; Testing; Usability; Web design
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Keywords: Entertainment computing; Human-Computer Interaction (HCI); Mobile computing; Ubiquitous Computing; User study
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   Country: Germany

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   Country: Germany

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Country: United Kingdom

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Keywords: Aural Navigation; Language Design; Scripting Language; Voice/Audio Browsing; VoiceXML
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   Keywords: Expert domain; Guidelines; Human-Computer Interaction (HCI); Usability; Usability Evaluation
   Country: Finland

8. Co-Existing Communication: Embodied Interaction System Using an Integrated Expression of
   Remote Partner's Shadow and Video Image [View Paper]

Author: Ishibiki, Chikara; Matsumoto, Daisuke; Miwa, Yoshiyuki; Nakajima, Yoshiaki; Watanabe, Takabumi
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: 3D display; Body shadow; Co-existing communication; Embodied interaction; Spatial distance
Country: Japan

9. Cognitive Architecture for Website Design and Usability Evaluation: Comprehension and Information Scent in Performing by Exploration [View Paper]
Author: Blackmon, Marilyn Hughes; Kitajima, Muneo; Polson, Peter G.
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Cognitive architectures; CoLiDeS; Human performance modeling; Latent semantic analysis; World Wide Web
Country: Japan; United States of America

10. Cognitive Architectures in HCI: Present Work and Future Directions [View Paper]
Author: Byrne, Michael D.
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Cognitive architectures; Cognitive models; GOMS; Human performance modeling; Software systems
Country: United States of America

11. A Collaborative Design Approach for Application Integration [View Paper]
Author: Ektare, Mayuresh
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Application integration; Collaborative design; Consistent user experience; Product architecture; Product integration
Country: United States of America

12. Combining Hand Gestures and Flow Menus in Computer Interfaces [View Paper]
Author: Bretzner, Lars; Lenman, Soren; Thuresson, Bjorn
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Computer vision; Flow menu; Gesture command; Hand gesture; Human-Computer Interaction (HCI)
Country: Sweden

13. Common Chatroom Abbreviations Speed Pen Computing [View Paper]
Author: Cha, Sung-Hyuk; Hanson, Vicki L.; Huber, William B.; Tappert, Charles C.
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Chatroom abbreviations; Handwriting recognition; Online character recognition; PDA; Pen computing
Country: United States of America

14. The Complexity of Navigation Keys in Cellular Phones and Their Effects on Performance of Teenagers and Older Adult Phone Users [View Paper]
Author: Bay, Susanne; Ziefle, Martina
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Cell phone; Cognitive complexity; Efficiency; Navigation keys; Usability
Country: Germany

15. Computer Attitude and Computer Self-Efficacy: A Case Study of Thai Undergraduate Students [View Paper]
Author: Noiwan, Jantawan; Norcio, Anthony F.; Piyawat, Thawatchai
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Comprehension; Computer anxiety; Computer attitude; Internationalization; Thai culture
Country: Thailand; United States of America

16. A Constraint-Based Approach to Understanding the Composition of Skill [View Paper]
Author: Eng, Katherine; Howes, Andrew; Lewis, Richard L.; Richardson, Juliet; Tollinger, Irene; Vera, Alonso H.
Volume: Volume 4 - Theories Models and Processes in HCI

Keywords: Cognitive architectures; Cognitive constraint modeling; GOMS; Human performance modeling; Microstrategies
Country: United States of America

17. A Cooperative Approach for Scalable Visualization Methods [View Paper]
Author: Boudjeloud, Lydia; Poulet, Francois
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Cooperative method; Data visualization; High dimensional data; Supervised classification; SVM algoritm
Country: France

18. Design and Evaluation of a Computerized Operating Procedure System [View Paper]
Author: Hwang, Sheue-Ling; Lee, Ying-Lien; Wang, Eric Min-Yang
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Cognitive workload; Computer-based procedures; Integrated controls/parameters; Navigation aid; Nuclear power plant
Country: People's Republic of China

19. Design and Evaluation of the Tightly Coupled Perceptual-Cognitive Tasks in Knowledge Domain Visualization [View Paper]
Author: Chen, Chaomei; Synnestvedt, Marie B.
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Cognitive; Design; Information; Knowledge; Visualization
Country: United States of America

20. Designing a Novel Input Method for Asynchronous Forum on Pocket PCs [View Paper]
Author: Chang, Chih-Kai; Wu, Wen-Yuan
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Distance learning; Handheld devices; Learning forum; Technology Acceptance Model; Wireless Internet Learning Device
Country: People's Republic of China

21. Designing Interaction Compatibility Between Graphic and Solid User Interfaces - A Case Study of Portable Media Player [View Paper]
Author: Chan, Chien-Yu; Chen, Chien-Hsiung; Chen, Shih-Chieh; Wang, Yueh-Chi
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Graphical User Interfaces; Interaction compatibility; Portable media player; Solid user interface; User mental model
Country: Taiwan

22. Developing a Usable Interface of FDAS Through Comparing Expert and Novice Knowledge Structures: Using Taiwan Motorcycle Maintenance Staff as an Example [View Paper]
Author: Chou, Yu-Fa; Hwang, Sheue-Ling; Su, Kuo-Wei
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Educational training; Expert system; Fault diagnosis assistance system; Human-computer interface; Knowledge structure
Country: People's Republic of China

23. Development of a Usability Checklist for the 3D Interactive Contents on the Web Sites [View Paper]
Author: Kim, Eun Ha; Park, Jae Hee
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: 3D web site; Usability checklist; Usability Evaluation; Web design; Web usability
Country: Korea

24. Development of an Information-Task-Interface Framework for Informative UI [View Paper]
    Author: Yoo, Seung Hun; Yoon, Wan Chul
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Cognitive difficulty; Interaction model; Mobile interface; Prediction; Usability
    Country: South Korea

25. The Development of OBSERVANT EYE to Effective Implement Observation Records for Usability Testing [View Paper]
    Author: Kurosu, Masaaki; Qiang, Yi; Sakuragawa, Satoshi; Suzuki, Taka-aki; Tamura, Hisae
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Data logging; Highlight; OBSERVANT EYE; Usability testing; Video data
    Country: Japan

26. Development of Usability Questionnaire Items for Mobile Products and Content Validity [View Paper]
    Author: Ryu, Young Sam; Smith-Jackson, Tonya L.
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Cell phone; Consumer products; Mobile products; PDA; Usability questionnaire
    Country: United States of America

27. Distant Lecturing on an Electronic Whiteboard with Summary and Search Features [View Paper]
    Author: Nakagawa, Masaki; Oda, Hideto; Sakurada, Takeshi
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Digital ink; Distant learning; Electronic whiteboard; Lecture recording system; Searchable contents
    Country: Japan

28. Domain Expert Driven Display Design for Process Surveillance and Control [View Paper]
    Author: Braseth, Alf Ove; Nihlwing, Christer; Svengren, Hakan; Veland, Oystein; Welch, Robin
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Design guide; Design process; Domain expert; Human-Computer Interaction (HCI); Interface design
    Country: Norway

29. Dual-Modal Presentation of Hierarchical Relationship in Texts [View Paper]
    Author: Brzezinski, Jacek; Chan, Susy S.; Fang, Xiaowen; Xu, Shuang
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Dual-modal presentation; Multimodal Interfaces; Texts; Tree structure; Visualization
    Country: United States of America

30. The Effects of Color and Layering on Comprehension of Multi-Layered Email Messages [View Paper]
    Author: Chakraborty, Joyram; Czarnota, Nathaniel; Denenberg, Darren A.; Hansen, Linda; Norcio, Anthony F.
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Brackets; Color; Comprehension; Email; Reading
    Country: United States of America

31. An Embodied Entrainment System with InterActors Superimposed on Images [View Paper]
    Author: Watanabe, Tomio; Yamamoto, Michiya
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Embodied communication; Embodied interaction; Entertainment; Human interaction; Learning support
    Country: Japan

32. Evaluating the Suitability of Learning Management Systems Within the Context of Quality of Use [View Paper]

Author: Hayes, Rosemary Q.
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Decision-making; Learning management systems; Quality of use; Usability; Usability criteria
Country: United States of America

33. Evaluating the Usability of a Handheld Device – Experiences on the Used Methods [View Paper]
Author: Haikarainen, Tuulia; Kuorelahti, Jaana; Nivala, Annu-Maaria; Savolainen, Kaisa
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Handheld devices; Method; Mobile; Usability Evaluation; Use context
Country: Finland

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Author: Norcio, Anthony F.; Zenebe, Azene
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Keywords: Adaptive systems; Evaluation framework; Fuzzy logic; Personalized systems; Recommender systems
Country: United States of America

35. An Evaluation of Pen-Based Security System Using Biological Information [View Paper]
Author: Hayasaka, Yoshiaki; Kimura, Tatsuhiro; Murayama, Yuko; Segawa, Norihisa; Yamazaki, Kiyoyuki
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Anonymity; Biological information; Biometrics; Event Related Potential (ERP); Pen interface
Country: Japan

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Author: Kjeldsen, Rick
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Keywords: Computer vision; Projection; User interface; User-defined interface; Vision-based interaction
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Author: Bowman, Doug A.; Datey, Ameya; Lucas, John; Raja, Dheva
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Keywords: Design; Information; Spatial; Three-dimensional; Visualization
Country: United States of America

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Author: Morishima, Shigeo
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Computer graphics; Face capture; Life-like agent; Motion capture; MR image
Country: Japan

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Author: Kieras, David E.
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Cognitive architectures; EPIC; GLEAN; GOMS; Human performance modeling
Country: United States of America

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Author: Malizia, A.; Olsen, K.A.
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Keywords: Booking system; Flexible; Formalization; User interface; World Wide Web
Country: Italy; Norway

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    Author: Liu, Cheng-Li; Uang, Shiaw-Tsyr
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Brand image; Consumer behavior; Interface development; Product evaluation; User interface
    Country: People's Republic of China

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    Author: Liu, Cheng-Li; Uang, Shiaw-Tsyr
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Alerting system; Driver's behavior; Drowsy driving; Fuzzy control; Interface design
    Country: People's Republic of China

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    Author: Bohlen, Michael H.; Mazeika, Arturas; Simoff, Simeon J.
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    Keywords: Cursor; Haptic; Motion-impairment; Performance; Point-and-click
    Country: United Kingdom; United States of America

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    Author: Arns, Laura; Bertoline, Gary; Caruthers, James
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    Country: United States of America

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    Author: Blaedow, Karen; Trewin, Shari; Vanderheiden, Gregg C.; Zimmermann, Gottfried
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    Keywords: Disability; Intelligent agent; Interface socket; Natural Language; User interface
    Country: United States of America

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    Author: Miyake, Yoshihiro; Yamamoto, Tomohito
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    Keywords: Cognitive system; Communication; Cooperative performance; Music; Respiration
    Country: Japan

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    Author: Corfu, Adriana; Costa, Carlos

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Keywords: Direct communication; e-Commerce; Internet; Tourism industry
Country: Portugal

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Author: Cairns, Paul; Oshlyansky, Lidia; Savakis, Konstantinos; Vasalou, Asimina
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Keywords: Human-moderation; Qualitative metrics; Remote protocols; Remote user testing; Usability metrics
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Author: Inami, Masahiko; Kawakami, Naoki; Sekiguchi, Dairoku; Tachi, Susumu
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Keywords: Entertainment computing; Humanoid; Robot; Robotic user interface; RobotPHONE
Country: Japan

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Author: Graf, Holger; Stork, Andre; Wundrak, Stefan
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Keywords: Engineering; Hybrid 2D/3D Environment; Hybrid Objects; Interaction; Virtual Reality
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Author: Reifers, Andrew; Riedl, Mark O.; Ritter, Frank E.; St. Amant, Robert
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Cognitive architectures; Human performance modeling; Image processing; Perception and action; SegMan
Country: United States of America

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Author: Bomsdorf, Birgit; Szwillus, Gerd
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Development process; Patterns; Web design; Web modeling; Web usability
Country: Germany

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Author: Akiyama, Katsuhiko; Ishigaki, Kazushi; Iwayama, Naomi; Nakajima, Kenji; Tanaka, Hiroshi
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Handwriting recognition; Keyboard; Memo; Tablet; Text input
Country: Japan

56. Information Scent and Web Navigation: Theory, Models, and Automated Usability Evaluation [View Paper]
Author: Chi, Ed; Farahat, Ayman; Fu, Wai-tat; Pirolli, Peter
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: ACT-R; Cognitive architectures; Human performance modeling; Information scent; World Wide Web
Country: United States of America

57. Integrating Modeling and Simulation Into a General-Purpose Tool [View Paper]
Author: Archer, Rick; Lebiere, Christian; Schunk, Dan; Warwick, Walter
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Keywords: ACT-R; Cognitive architectures; Human performance modeling; Software systems; Task network models
Country: United States of America

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    Author: Altom, Timothy; Faiola, Anthony; Groth, Dennis P.
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Information; Landscape; Navigation; Spatial cognition; Visualization
    Country: United States of America

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    Author: Abrams, Marc; Coninx, Karin; Luyten, Kris
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Layout patterns; Model-based design; Multi-device user interface design; Task-driven presentation; UIML
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    Author: Globocnik, Tina; Hermsdoerfer, Joachim; Herzberger, Barbara; Kobayashi, Yohei; Miyake, Yoshihiro; Muto, Takeshi; Muto, Yumiko; Oeppel, Ernst
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Co-creation; Fractal dimension; Gait dynamics; Hemiplegia; Rhythmic interaction
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    Author: Jokela, Timo
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Definition of usability; ISO 9241; Usability; Usability Engineering; Usability requirements
    Country: Finland

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    Author: Horiuchi, S.; Hosoda, S.; Kanai, S.; Kishinami, T.; Ohshima, Y.; Shiroma, Y.
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    Keywords: ISO13407; Mock-up; RFID; Usability; Usability assessment
    Country: Japan

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    Author: Henry, Pradeep
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    Keywords: India; ROI; Software applications; Usability practitioners; Usability testing
    Country: India

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    Author: Chalon, Rene; David, Bertrand T.; Delotte, Olivier
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    Keywords: Cooperative systems; Model-driven engineering; Patterns; Patterns for CSCW; Scenario
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    Author: Dittmar, Anke; Forbrig, Peter
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    Keywords: Context of use; Interactive systems; Model-based design; Patterns; Task models
    Country: Germany

66. Multi-Level Patterns for the Planes of User Experience [View Paper]
    Author: Krach, Thomas; Martin, Christian; Tiedtke, Thomas
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    Keywords: Multi-Level patterns; Usability; User experience; WEB-based applications; XML representation
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67. Multi-Modal Messaging Services: Design Factors of Text-Based Communication via Mobile Phone
    [View Paper]
    Author: Ryu, Hokyoung
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    Keywords: Design factors; Focus group study; Mobile phones; Multi-media messaging service; SMS
    Country: New Zealand

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    Author: Guanqiang, Zhang; Jinya, Zheng; Wanli, Yang; Yan, Li
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Carpal tunnel syndrome; Mobile terminals; Multi-mode; Pointing device; Trackball
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    Author: Oliver, Nuria; Wilson, Andrew
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    Keywords: Activity awareness; Computer vision; Computer-human interface; Input devices; Multimodal Interfaces
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    Author: Kuramoto, Itaru; Minakuchi, Mitsuru; Shibuya, Yu; Tsujino, Yoshihiro; Yoneda, Tatsuya
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    Keywords: Browsing; Intensity of interaction; Interaction model; Music retrieval; Recommendation
    Country: Japan

71. A New Stylus-Based Method for Text Entry on Small Devices [View Paper]
    Author: Haggerty, Bryan; Tarasewich, Peter
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Mobile devices; PDA; Small screen; Stylus; Text entry
    Country: United States of America

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    Author: Adiego, Joaquin; de la Fuente, Pablo; Pedrero, Alberto; Villarroel, Miguel
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    Keywords: Annotations; Color contrast; Digital documents; Highlighting; Visualization
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    Author: Ozok, A. Ant; Vyas, Amrish
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    Keywords: M-Commerce; Mobile devices; Multi-Agent Systems; Software agents; Usability
    Country: United States of America

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    Author: Forbrig, Peter; Javahery, Homa; Seffah, Ahmed; Sinnig, Daniel

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Keywords: Components; Patterns; Process model; Reengineering; User interface design
Country: Canada; Germany

75. Pen-Based Menu System for Visually Impaired [View Paper]
Author: Ezaki, Nobuo; Hirasaki, Lisa; Kiyota, Kimiyasu
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Blind user; Menu system; Motor control ; Pen interface; Pie menu
Country: Japan

76. Pen-Based Notepad System for Visually Impaired Person [View Paper]
Author: Ezaki, Nobuo; Kiyota, Kimiyasu; Nagano, Kousuke; Yamamoto, Shinji
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Bi-gram model; Handwriting recognition; PDA; Pen interface; Text to speech
Country: Japan

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Author: Allison, Brendan; Moore, Melody M.
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Assistive Technologies; Augmented communication; Brain-computer interfaces; Environmental control; Motor disabilities
Country: United States of America

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Author: Hardman, Simon; Kong, Dongjoon; Sneddon, Garry
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: IT Solution; Proactive ergonomic strategy; Repetitive stress injury; Usability; User-centered design
Country: United States of America

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Author: Ito, Akira; Terada, Kazunori
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Keywords: Communication; Eye-contact; Gaze; Intentionality; Mind-reading
Country: Japan

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Author: Hamzah, Muhd Dzulkhiflee; Hashiyama, Tomonori; Iwata, Mitsuru; Tano, Shun'ichi
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Keywords: Annotations; Handwriting; Intelligent; Keyboard; Qualitative analysis
Country: Japan

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Author: Adamo-Villani, Nicoletta; Beni, Gerardo
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Keywords: 3D animation; Assisted care; Hand gesture; Keyboard; Robotics
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Author: Chen, Chien-Hsiung; Chiou, Bo-Ching
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    Author: Kang, Sunghyun R.
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    Author: Pentland, Alex "Sandy"
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    Keywords: Gesture analysis; Human behavior; Motion texture; Social perception; Workgroup analysis
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    Author: Feng, Jinjuan; Goldman, Richard; Lin, Min; Price, Kathleen J.; Sears, Andrew
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    Keywords: Mobile computing; Nomadic interactions; PDA; Speech recognition; Text entry
    Country: United States of America

89. Testing Predictive Text Entry Methods with Constrained Keypad Designs [View Paper]
    Author: Gong, Jun; Tarasewich, Peter
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Handheld devices; Mobile phones; Novice usability and ease of learning; Optimized keypad designs; Predictive text entry
    Country: United States of America

90. Text Input to Handheld Devices for People with Physical Disabilities [View Paper]
    Author: Myers, Brad A.; Wobbrock, Jacob O.
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Assistive Technologies; EdgeWrite; Hand-held computers; PDA; Pebbles
    Country: United States of America

91. Towards a Generic Model for Specifying Different Views on the Dialog of Web Applications
    [View Paper]

Author: Betermieux, Stefan; Bomsdorf, Birgit; Langer, Patrick
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Keywords: Abstract interface; Dialog model; Dialog view; Task models; Web application
Country: Germany

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Author: Herrera, David; Ward, Nigel
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Keywords: Education; Graphical User Interfaces; Learning environment; Novice-expert transition; Unix shell
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Author: Rampoldi-Hnilo, Lynn
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Keywords: Enterprise software; Internal resources; UCD process; Usability issues; User experience research
Country: United States of America

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Author: Kang, Neung Eun; Park, Hwan-Soo; Yoon, Wan Chul
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Keywords: Exploratory behavior; Exploratory learning; Interface design; Usability; User interface
Country: Korea

95. Usability Estimation of Quality Management System Software [View Paper]
Author: Hankiewicz, Krzysztof; Prussak, Waldemar
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Computer systems; Management; Quality; Software; Usability
Country: Poland

96. Usability Evaluation of Computerized Operating Procedures in a High-Consequence Industrial Workplace [View Paper]
Author: Brannon, Nathan G.; Gilmore, Walter E.
Volume: Volume 4 - Theories Models and Processes in HCI
Country: United States of America

97. Usability Evaluation of Website Designs Based on Semantic Model of Eye Tracking in Web Search Tasks [View Paper]
Author: Fujita, Yuichi; Imamiya, Atsumi; Makinae, Tadashi; Omata, Masaki
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Evaluation; Eye tracking; Semantic search; Usability; Web design
Country: Japan

98. Usability for All Sensory Evaluation Reflecting Cultural Background [View Paper]
Author: Hosono, Naotsune; Inoue, Hiromitsu; Tomita, Yutaka; Yamamoto, Yoshikazu
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Culture; Evaluation; Portable information terminal; Sensory analysis; Usability
Country: Japan

99. Usability of State Based Boolean eBlocks [View Paper]
Author: Cotterell, Susan; Vahid, Frank
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: eBlocks; Human Factors; Sensor networks; State-based constructs; Usability
Country: United States of America

100. Usability Testing an Instructional Textbook in Conjunction with an Online Course [View Paper]
    Author: Cooney, John; Gall, James E.; Ku, Heng-Yu; Lohr, Linda L.
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Cognitive load theory; Distance education; Germane load; Textbook; Usability
    Country: United States of America

101. Usability Testing of BlogExpress: Blog Reader Software as a Knowledge Management Tool [View Paper]
    Author: Noiwan, Jantawan; Norcio, Anthony F.; Piyawat, Thawatchai
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    Keywords: Blog; Knowledge management; Knowledge repository; Usability; Weblogs
    Country: Thailand; United States of America

102. Usable E-Learning: A Conceptual Model for Evaluation and Design [View Paper]
    Author: Bennett, Leslie; Bird, Tammy; Ivey, Melonie; Lucas, Jan; Mehlenbacher, Brad; Morton, Janet; Whitman, Lisa
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: e-Learning; Heuristics; Learning; Model; Usability
    Country: United States of America

103. Use and Reuse in Information and Interaction Design [View Paper]
    Author: Lee, Jason Chong; McCrickard, D. Scott; Polys, Nicholas F.; Wahid, Shahtab
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    Keywords: Information; Interaction design; Interactive; Knowledge; Visual displays
    Country: United States of America

104. Usefulness of Nonverbal Cues from Participants in Usability Testing Sessions [View Paper]
    Author: Andre, Terence; Long, Karen; Malcom, William; Styles, Lara
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    Keywords: Nonverbal cues; Picture-in-picture; Usability Evaluation; Usability testing; User interaction
    Country: United States of America

105. User Interface for Accumulated Ink Search [View Paper]
    Author: Nakagawa, Masaki; Oda, Hideto
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    Keywords: Client server system; Digital ink; Handwriting recognition; Pen interface; Text search
    Country: Japan

106. User-Centered Development Framework for Mobile Business Application [View Paper]
    Author: Ji, Yong Gu
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Mobile application; Mobile business; Technology-centered design; Usability; User-centered design
    Country: Korea

107. User-Centered Interface Design of Health Measurement Device in Next Generation [View Paper]
    Author: Lee, Joohwan; Oh, Jinwook; Park, Junho; Suh, Dongsoo; Yun, Myunghwan
    Volume: Volume 4 - Theories Models and Processes in HCI
    Keywords: Health care device; Scenario-based design; Task Analysis; Usability; User-centered design
    Country: Korea

108. User-Participatory Usability Testing Using Web [View Paper]
    Author: Lee, Kun-Pyo
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    Keywords: Lab-based usability testing; Remote usability testing; Usability; Usability testing; Web-based usability testing

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     Author: [Jansen, Bernard J.](#); [Koshman, Sherry](#); [Spink, Amanda](#)
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     Author: [Iannizzotto, Giancarlo](#)
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     Author: [Burgee, Lawrence E.](#)
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     Volume: [Volume 4 - Theories Models and Processes in HCI](#)
     Keywords: [Games](#); [Heuristic analysis](#); [Mobile phones](#); [Usability testing](#); [User interface design](#)
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Author: Groger, Thomas; Oetjen, Sophie; Ziefle, Martina
Volume: Volume 4 - Theories Models and Processes in HCI
Keywords: Cathode Ray Tube (CRT); Liquid Crystal Display with Thin Film Transistor Technique (TFT); Resource theories; Visual Display Unit; Visual performance
Country: Germany

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   Author: Choui, Masami; Tamura, Hiroshi
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   Keywords: Action model; Cognitive motor action; Memory driven; Text entry; Vision driven
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   Author: Imaki, Tomotaka; Ito, Kyoko; Kugo, Akihide; Shimoda, Hiroshi; Uda, Akinobu; Wakabayashi, Yasunaga; Yoshikawa, Hidekazu
   Volume: Volume 5 - Emergent Application Domains in HCI
   Keywords: Active web site; Attractiveness; High-level radioactive waste disposal; Ocular index; Risk communication
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6. Affective Intelligent Car Interfaces with Emotion Recognition [View Paper]
   Author: Lisetti, Christine L.; Nasoz, Fatma
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   Keywords: Car interface; Driving; Emotion recognition ; Human-Computer Interaction (HCI); Intelligent agents
   Country: France; United States of America

7. Agent System for Notifying Hotel Room Reservation Alternatives [View Paper]
   Author: Onoda, Jun; Saga, Ryosuke; Tsuji, Hiroshi
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   Keywords: e-Commerce; Information filtering; Intelligent agents; Memory-based reasoning; Recommender systems
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8. Agent- Based Interaction Management for Document-Centered Collaboration in a Digital Library
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   Author: Brocks, Holger; Stein, Adelheit; Thiel, Ulrich
   Volume: Volume 5 - Emergent Application Domains in HCI
   Keywords: Agent-based user interface; Collaboration agents; Digital libraries; Document-centered collaboration;
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   Country: Germany

9. An Alternative GUI Interface Using Air Propagated Ultrasonic Waves and Sounds in Mouth
   [View Paper]
   Author: Hashimoto, Masami; Itoh, Kazunori; Yonezawa, Yoshimichi
   Volume: Volume 5 - Emergent Application Domains in HCI
   Keywords: Alternative mouse; Graphical User Interface (GUI); Input device; Motor disability; User interfaces
   Country: Japan

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    Author: Nakatani, Mie; Nishida, Shogo; Takahashi, Kosuke
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Anxiety; Color image; Interface design; Safety engineering; Voice image
    Country: Japan

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    Description Questionnaires [View Paper]
    Author: Furukawa, Hiroyuki; Kimura, Masaomi; Kuga, Masahiro; Ohkura, Michiko; Tasaki, Hisao; Tsuchiya, Fumito;
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    Keywords: Data mining; Japanese dependency analysis; Medical information; Safety of drug use; Text mining
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    Author: Buyukozkan, Gulcin; Ozok, A. Ant
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    Keywords: Analytic hierarchy process; Fuzzy theory; Mobile commerce; Turkish user perspective; User requirements
    Country: Turkey; United States of America

13. Analytical Approach to Correct and Succinct Interface Design for Safety-Monitoring in Cockpit
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    Author: Hina, Akihiro; Horiguchi, Yukio; Sawaragi, Tetsuo
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    Author: Kita, Toshihiro; Miyazaki, Makoto
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    Country: Japan

15. ASK- IT: Intelligent Agent Application for a Self-Adaptive User Interface for Mobility Impaired
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    Author: Karampelas, Panos; Knoll, Christian; Panou, Maria
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    Keywords: HMI personalization; Infomobility; Intelligent agents; Mobility impaired people; User interfaces

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    Author: Tanaka, Tadashi
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    Author: Bahadur, Ibrahim; Rigas, Dimitris
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    Keywords: Auditory icons; Earcons; Multimedia; Stock control systems; User interfaces
    Country: United Kingdom

18. Automatic Error Correction Using P3 Response Verification for a Brain-Computer Interface [View Paper]
    Author: Bayliss, Jessica D.; Inverso, Samuel A.
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Assistive Technologies; Brain-computer interfaces; Direct brain interfaces; Error correction; P300 interface
    Country: Ireland; United States of America

19. Automatic Inspection of Remote Classroom Using Network Camera [View Paper]
    Author: Cheng, Zixue; He, Aiguo; Nitta, Yoshitaka
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    Keywords: Automatic Inspection; Classroom; Network camera; Pseudo-surface based control; Real-time Distance Education
    Country: Japan

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    Author: Rey-Babarro, Marta
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    Keywords: Banking; Design; Mobile; Text messaging; User interfaces
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21. Beyond Contextual Inquiry: Conducting User Studies for Complex Problem Solving [View Paper]
    Author: Mirel, Barbara
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    Keywords: Contextual inquiry; Coursework; Design; Problem-solving; User studies
    Country: United States of America

22. Biometric Identification using Song-Based Blink Patterns [View Paper]
    Author: Park, Kwang-Hyun; Pesti, Peter; Starner, Thad; Westeyn, Tracy
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    Keywords: Assistive Technologies; Biometrics; Blink detection; Gesture recognition; Security
    Country: United States of America

23. A Bluetooth-Enabled Location-Based Advertising Application [View Paper]
    Author: Wang, Hao; Xu, Heng
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    Keywords: Application design on mobile phones; Bluetooth; Location-based applications; Privacy control; Wireless advertising
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24. Building Progressive Interest in Risk Communication [View Paper]
    Author: Itoh, Masako; Nakamura, Mariko; Sugiyama, Yasuyuki; Yamaguchi, Satoru
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    Keywords: Collaborative problem solving; Interest building; Progressive communication model; Recipient; Risk communication
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25. CAE Concept Design: A Key Enabler in Virtual Product Development [View Paper]
    Author: Prabhuwaingankar, M.; Shahidi, Behrooz; Stuhec, Ulrich; Zhou, Suwei; Zimmer, Hans
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    Keywords: Computer Aided Engineering; Concept design; Concept models; Stochastic finite elements; Vehicle development
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    Author: Katzenbach, Alfred; Wilke, Wilhelm
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    Author: Israelski, Edmond W.; Muto, William H.
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    Keywords: Co-ordination; Middleware; Ontology; Rapid product development; Semantic engineering
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    Author: Lindgaard, Gitte
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    Author: Ichino, Junko; Isahara, Hitoshi; Takeuchi, Kazuhiro
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    Keywords: Color; Information visualization; Online documents; Overview+detail; Reading
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31. A Comparison Study on E-Commerce and M-Commerce Security Attributes [View Paper]
    Author: Ozok, A. Ant; Wei, June
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    Keywords: M-Commerce; m-Commerce security; Mobile devices; Transaction security; Wireless network access
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    Author: Shen, Jiaying
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    Keywords: Alzheimer's caregiving; Computer technology based interventions; Home care; Implication for future study; Literature review
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    Author: Barreto, Armando; Zhai, Jing
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    Author: Horii, Ken; Kotani, Kentaro; Norioka, Yasuki
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    Author: Mason, Steven G.; McCampbell, Luke A.; Moore, Melody M.; Randolph, Adriane B.
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    Keywords: Assistive Technologies; Biometric interfaces; Brain-computer interfaces; Galvanic skin response; Locked-in syndrome
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    Author: Knapp, R. Benjamin; Lusted, Hugh S.
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    Keywords: Biocontrol; Electrodes; Human-Computer Interaction (HCI); Mobile; Physiological
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    Author: Essa, Irfan; Fisk, Arthur D.; McLaughlin, Anne Collins; Rogers, Wendy A.
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    Author: Abowd, Gregory D.; Nagel, Kristine S.
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    Author: Hongo, Taijiroh; Imaki, Tomotaka; Ito, Kyoto; Shimoda, Hiroshi; Yoshikawa, Hidekazu
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    Author: Ito, Kyoko; Nishida, Shogo; Ohmori, Yusuke
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    Author: Dixon, Mark
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    Author: Blach, Roland; Bues, Matthias; Dangelmaier, Manfred; Mayer, Christopher
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    Keywords: Driving simulation; Immersive driving simulation; Immersive virtual environments; Man-machine interaction; Mixed mock up
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    Author: Gupta, Gopal; Karshmer, Arthur I.; Reddy, Hemambaradara
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    Author: Imaki, Tomotaka; Ito, Kyoko; Kugo, Akihide; Shimoda, Hiroshi; Uda, Akinobu; Wakabayashi, Yasunaga; Yoshikawa, Hidekazu
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    Keywords: Environmental ethics; Norm Activation Theory; Ntrospection; Pro-social behavior; Socialrisk communication
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    Author: Fujimon, Chiaki; Hirose, Michitaka; Kuzuoka, Hideaki; Yamashita, Jun
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    Author: Mackey, Dino; Murano, Pietro
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Direction finding; Effectiveness of VRML building models; Learning; Usability; VRML
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48. Embedded Action Detector to Enhance Freedom from Care [View Paper]
    Author: Koyama, Kyohei; Nakagawa, Kouichi; Shimakawa, Hiromitsu
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49. An Empirical Study on User-Perceived Differences Between Mobile and Electronic Commerce [View Paper]
    Author: Ozok, A. Ant; Wei, June
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    Keywords: Comparison; e-Commerce; M-Commerce; Survey; User preferences
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50. Enabling Computer Access for Children with Cerebral Palsy [View Paper]
    Author: Chen, Ming Chung; Wang, Hwa-Pey; Wu, Ting-Fang
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    Keywords: Children with cerebral palsy; Computer access; Computer interface devices; Physical disabilities; Single subject research design
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51. Evacuation Route Guidance via Mobile Phones Based on Three-dimensional Geographical Information Delivery [View Paper]
    Author: Hisanaga, Satoshi; Maehara, Hideaki; Suganuma, Yuko; Tanaka, Satoshi; Wakimoto, Koji
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Geographic Information Systems; Location Based Services; Navigation; Three-dimensional spatial data; Virtual Reality
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52. An Experimental Study on the Effective Use of Mobile Phones in the Large-Scale Classroom Lecture Environment [View Paper]
    Author: Matsui, Tatsunori; Sugaya, Fumiaki
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    Keywords: Classroom lecture environment; Learning contents; Mobile phones; The fusion of differing media; u-Learning
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    Author: Blevis, Eli; Siegel, Martin A.
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54. Exploiting Ubiquitous Computing to Support Digital Library Tasks [View Paper]
    Author: Bertini, Enrico; Kimani, Stephen
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    Author: Manurung, Ruli; O'Mara, David; Pain, Helen; Ritchie, Graeme; Waller, Annalu
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    Keywords: Disability; Humor; Language; Requirements; Usability
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56. From Passive Viewer to Nomad Producer: Ubiquitous iTV [View Paper]
     Author: Brandao, Manuela; Roibas, Anxo Cereijo; Sala, Riccardo
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     Keywords: Edutainment; Gaming; Interactive Television; Mobile; Ubiquitous iTV
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57. Geographic Communication System using Function of Blog [View Paper]
     Author: Ohkura, Michiko; Watanabe, Masahiro
     Volume: Volume 5 - Emergent Application Domains in HCI
     Keywords: Blog; Communication; GPS; TrackBack; WebGIS
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58. Hand-held Psychotherapy Artifacts [View Paper]
     Author: Carrico, Luis; Sa, Marco
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59. Handy Window: An Interface for Intuitive Interaction of My Portable Information Terminal and the
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     Author: Kuramoto, Itaru; Shibuya, Yu; Taniguchi, Nobuchika; Tsujino, Yoshihiro
     Volume: Volume 5 - Emergent Application Domains in HCI
     Keywords: Finger action; Handy window; Mobile interactions; Mobile phones; PDA
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60. Haptic Interaction with a Virtual Environment Dynamically Created from a Monoscopic Video
     [View Paper]
     Author: Moustakas, K.; Nikolakis, G.; Strintzis, M.G.; Tzovaras, D.
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     Keywords: Haptic; Image processing; Spatial models; Three-D interaction; Virtual Environments
     Country: Greece

61. Haptic Representation of Images for the Blind and the Visually Impaired [View Paper]
     Author: Moustakas, K.; Nikolakis, G.; Strintzis, M.G.; Tzovaras, D.
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     Author: Calcaterra, Gina; Mynatt, Elizabeth D.; Tran, Quan T.
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     Keywords: Cooking; Home; Memory; Older adults; Ubiquitous Computing
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63. How Do Families Remember: An Initial Analysis of Diary and Interview Data [View Paper]
     Author: Mynatt, Elizabeth D.; Paradise, Jessica
     Volume: Volume 5 - Emergent Application Domains in HCI
     Keywords: Diary study; Family; Home; Memory; Ubiquitous Computing
     Country: United States of America

64. How Do I Find Blue Books About Dogs? The Errors and Frustrations of Young Digital Library Users

[View Paper]
Author: Bederson, Benjamin B.; Druin, Allison; Hutchinson, Hilary; Reuter, Kara; Rose, Anne; Weeks, Ann Carlson
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Children; Digital libraries; Frustration; Graphical User Interface (GUI); Interaction styles
Country: United States of America

65. Human Factors in Medicine Task and Error Analysis of Baker and Marchman Act Individuals
[View Paper]
Author: Carstens, Deborah Sater
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Healthcare; Medical errors; Patient safety; Process optimization; Task Analysis
Country: United States of America

66. Implementation and Evaluation of an Individual Authentication System Using the Trajectory by the Mouse During Password Entry [View Paper]
Author: Horii, Ken; Kotani, Kentaro; Yuzuriha, Koichiro
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Authentication; Biometrics; Computer mouse; DP matching; Human-Computer Interaction (HCI)
Country: Japan

67. Improving Usability Engineering Through Product Post Market Usability Analysis [View Paper]
Author: North, Robert A.; Peterson, Mary Kathryn
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Human information processing models; Medical device design; Medical errors; Usability process; Use error
Country: United States of America

68. An Inexpensive Brain-Computer Interface Based on Spatial and Temporal Analysis of EEG
[View Paper]
Author: Anderson, Charles W.; Kirby, Michael J.; Knight, James N.
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Augmentative communication; Brain-computer interfaces; Electroencephalogram; Neuroprosthesis; Rehabilitation
Country: United States of America

69. Information Retrieval Using a Concept Structure of Experts [View Paper]
Author: Furuta, Kazuo; Nakata, Keiichi; Ogure, Takuya
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Community ontology; Expertise; Information retrieval; Knowledge sharing; Risk communication
Country: Japan

70. Information Visualization of Allelic Copy Number Data for Genome Imbalance Analysis
[View Paper]
Author: Aburatani, Hiroyuki; Hirose, Michitaka; Hirota, Koichi; Ishikawa, Shumpei; Nishimura, Kunihiro
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Genome copy number; Genome science; Information visualization; Virtual Reality; Visualization design
Country: Japan

71. Integrating Usability Into Development of a Clinical Decision Support System [View Paper]
Author: Caplan, Stanley; Fairbanks, Rollin J.; Panzer, Robert J.
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Decision support; Physician order entry; Usability; Usability testing; User interfaces
Country: United States of America

72. Intelligent Human-Agent Interaction: Attributes that Need to be Honed [View Paper]
    Author: Ozok, A. Ant; Vyas, Amrish
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Agent; Agent interaction attributes; Agent interface; Agent usability; User-agent interaction
    Country: United States of America

73. Interaction Logging and Analysis Tool Estimating Expected Operations for Unexpected User
    Operations [View Paper]
    Author: Ashio, Tsutomu; Kunieda, Kazuo; Okada, Hidehiko; Shimazu, Hideo
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Accessibility; Interaction log; Tool; Usability; User error
    Country: Japan

74. Interactive TV and User Experience: Does Interactivity Contribute to a Greater Television User
    Experience? A Human Computer Perspective [View Paper]
    Author: Brandtzaeg, Petter Bae; Folstad, Asbjorn; Heim, Jan
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Edutainment; Interactivity; iTV; Television; Usability
    Country: Norway

75. Is Neuron Discrimination Preprocessing Necessary for Linear and Nonlinear Brain Machine
    Interface Models? [View Paper]
    Author: Carney, Paul R.; Principe, Jose C.; Sanchez, Justin C.
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Brain-machine interface; Ensemble; Neural decoding; Neural network; Spike sorting
    Country: United States of America

76. It's Art, But is it HCI? – Testing the Boundaries [View Paper]
    Author: Davis, Stephen Boyd
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Artwork; Design; Human-Computer Interaction (HCI); Pleasure; User experience
    Country: United Kingdom

77. Managing Design Knowledge: A New Pedagogical Framework for HCI [View Paper]
    Author: Faiola, Anthony
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Design; Education; Human-Computer Interaction (HCI); Interaction design; Management
    Country: United States of America

78. Mental Load Less for Cellular Text Entry than Handwriting, Evaluation by Memory Reproduction
    [View Paper]
    Author: Tamura, Hiroshi
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Cellular text entry; Classroom use; Handwriting; Memory reproduction; Scientific term
    Country: Japan

79. Methodological Issues in Using Time Diaries to Collect Frustration Data from Blind Computer Users
    [View Paper]
    Author: Allen, Aaron; Kleinman, Jason; Lawrence, Jessica; Lazar, Jonathan
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Frustration; Time diary; Universal Usability; Visual impairment; Web accessibility
    Country: United States of America

80. A Methodology and a System for Scenario-Based Instructional Design of Interactive Instruction with Multimedia Educational Materials [View Paper]
Author: Go, Kentaro; Higuchi, Yuki; Mitsuishi, Takashi
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: e-Learning; Face-to-Face interactive instruction; Instructional design; Multimedia educational materials; Scenario-based designing
Country: Japan

81. MFMS: A Graphical MFM Tool and Its Application to Industrial Process System [View Paper]
Author: Liu, Jingquan; Ouyang, Jun; Yang, Ming; Yoshikawa, Hidekazu; Zhou, Yangping
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Functional modeling method; Graphical tool; Multilevel flow model; Multilevel flow model studio; Process system analysis
Country: Japan

82. Mobile Applications for the Enterprise Market [View Paper]
Author: Longoria, Roman
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Bluetooth; Mobile application design; User interfaces; WIFI; Wireless networks
Country: United States of America

83. Mobile Commerce: Perspectives from Customers [View Paper]
Author: Nah, Fiona Fui-Hoon; Sheng, Hong; Siau, Keng
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Customers; Means-ends relationships; Mobile commerce; Value-focused thinking; Values
Country: United States of America

84. Mobile Phone Usability Evaluation Framework Using Function-Emotion Hierarchy Deployment [View Paper]
Author: Bahn, Sangwoo; Ji, Yong Gu; Suh, Youngbo; Yun, Myunghwan
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: AHP; Functional decomposition; Mobile phones; Usability; Usability Evaluation
Country: Korea

85. Multi- Agent System for Personalised and Context Related Info-Mobility Services [View Paper]
Author: Panou, Maria; Spanoudakis, Nikolaos
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Infomobility services; Multi-Agent system; Personalization algorithm; User learning algorithm; User profile personalization
Country: Greece

86. Multimedia Virtual Laboratory: Integration of Computer Simulation and Experiment [View Paper]
Author: Ogi, Tetsuro
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Computer simulation; Experiment; Shared virtual world; Time control; Visualization
Country: Japan

87. Multimodal Interaction on Mobile Devices [View Paper]
Author: Kaiser, Fritjof; Otto, Birgit
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Free Speech Dialog; Location Based Services; Mobile; Multimodal; Shopping Mall
Country: Germany

88. Multimodal Interaction with Mathematical Formulae: Access, Communication and Support for Blind

People in Doing Mathematics [View Paper]
Author: Archambault, Dominique; Batusic, Mario; Miesenberger, Klaus; Stoger, Bernhard
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Learning; Mathematics; Multimodal interaction; Universal Access; Visual impairment
Country: Austria; France

89. Nomadic Nurse: Toward Optimizing Home Healthcare with Voice Interaction [View Paper]
Author: Goose, Stuart; Gunaratne, Junius; Lee, Mark
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Healthcare; Interaction; Multimodal; Nursing; Speech
Country: United States of America

90. Optimizing Immersive Virtual Reality Systems for Office Workplaces [View Paper]
Author: Bullinger, Alex H.; Hoffmann, Hilko; Stefani, Oliver; Wiederhold, Brenda K.
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Computer Aided Design; Desktop; Virtual Reality; Virtual Reality Workplace System; Workflow Integration
Country: Germany; Switzerland; United States of America

91. Participatory Design of an Inter-Personal and Intergenerational Communication Support with Elderly People [View Paper]
Author: Ghorayeb, Abir; Noury, Norbert
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Comic strip; Communication; Elderly people; Observation; Participatory design
Country: France

92. Perceived Differences between Mobile and Electronic Commerce: The Community and User Perspectives [View Paper]
Author: Ozok, A. Ant; Wei, June
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: e-Commerce; M-Commerce; Mobile communities; Online communities; User preferences
Country: United States of America

93. Personalization of Multi-modal Interface for Mobile Phone - Adaptation to "Noticeable", "Understandable", and "Memorable" for Each User [View Paper]
Author: Iijima, Takahiro; Kato, Toshikazu; Shinohara, Isao
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Auditory information; Haptic information; Multimodal Interfaces; Personalization; Visual information
Country: Japan

94. Personalized Recommender Systems in e-Commerce and m-Commerce: A Comparative Study [View Paper]
Author: Norcio, Anthony F.; Ozok, A. Ant; Zenebe, Azene
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Comparison; e-Commerce; Mobile commerce; Personalization; Recommender systems
Country: United States of America

95. Preliminary Guidelines for the Personalization of the HMI of Hypovigilance-Management-Systems [View Paper]
Author: Bekiaris, Evangelos; Hagenmeyer, Lorenz; Marberger, Claus; Nikolaou, Stella
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: ADAS; Safety; User interface design; Vigilance; Warning strategy
Country: Germany; Greece

96. Projected Applications - Taking Applications from the Desktop onto Real World Objects [View Paper]
    Author: Ehnes, Jochen; Hirose, Michitaka; Hirota, Koichi
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Application interface; Moving projector; Projector based AR; Tangible User Interface (TUI); Ubiquitous Computing
    Country: Japan

97. PUI (Perceptual User Interface) for Wearables [View Paper]
    Author: Hirose, Michitaka; Hirota, Koichi
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Auditory interface; Haptic interface; Olfactory interface; Perceptual user interface; Wearable computer
    Country: Japan

98. Real World Video Avatar [View Paper]
    Author: Hirose, Michitaka; Tanikawa, Tomohiro
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Human Figure; Multiview Capture System; Multiview Display System; Real Time Transmission; Video Avatar
    Country: Japan

99. Reducing User Frustration in Designing Data-Collection Forms for Internet Users: Can We Improve Performance and Satisfaction? [View Paper]
    Author: Murphy, Elizabeth D.
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Accessibility testing; Forms; Online option; Usability testing; User frustration
    Country: United States of America

100. Relationships Between Customization and Mobile Customer Satisfaction [View Paper]
    Author: Chan, Susy S.; Fang, Xiaowen; Lam, Jean
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Adaptable interface; Customer relationship management; Customer satisfaction; Customization; Mobile services
    Country: United States of America

101. Requesting Services by Touching Objects in the Environment [View Paper]
    Author: Alakarppa, Ismo; Hosio, Simo; Riekki, Jukka; Salminen, Timo
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Context-aware; Mobile phones; Pervasive; RFID; Tangible interfaces
    Country: Finland

102. Semantic Organization of Multimedia Data for Meaningful Display [View Paper]
    Author: Cruz, Isabel F.; Sayenko, Olga
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Co-ordinated visual elements; Integrated display; Multimedia presentation; Multimedia retrieval and integration; Visualization
    Country: United States of America

103. Semantic Web Services Enabling Collaborative Engineering [View Paper]
    Author: Ayromlou, Many; Fischer, Thomas; Murphy, Michael J.; Tippmann, Volker
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Access grid; Collaborative Engineering; Semantic web; Service Oriented Architecture; Web services
    Country: Canada; Germany

104. Signal Processing Approaches for EMG-based Hands-off Cursor Control [View Paper]

Author: Barreto, Armando; Chin, Craig A.
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Assistive Technologies; Cursor control; Electromyogram; Hands-off; Signal processing
Country: United States of America

105. Situated Privacies [View Paper]
Author: Anderson, Kenneth T.; Dourish, Paul
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Design; Discursive practices; Ethnography; Location tracking; Privacy
Country: United States of America

106. Smart House for the Disabled [View Paper]
Author: Lauruska, Vidas
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Communication; Computer; Disabled; House; Smart
Country: Lithuania

107. Spatio-temporal Search Interface of Video Data with Virtual Wall [View Paper]
Author: Hijikata, Yoshinori; Nishida, Shogo; Wang, Yiqun
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Distributed video data; Search interface; Search key transformation; Spatio-temporal data management; Virtual wall
Country: Japan

108. A Study of Presentations of Mobile Web Banners [View Paper]
Author: Chen, Duye; Chen, Jenwen; Rau, Pei-Luen Patrick
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Advertisement; Animated banners; Effectiveness; Mobile commerce; Web banners
Country: People's Republic of China

109. A Study on Predicting Driving Hazard Factors for Driver Assistant Systems [View Paper]
Author: Hirota, Kaoru; Kawamoto, Kazuhiko; Natori, Youichi; Takahashi, Hiroshi; Tanzawa, Naoyori
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Driver Assistant System; Driver's attention; Hazard Factors; Intelligent Transport Systems; Neural network
Country: Japan

110. Support System for Decision Maker in Multiplex Risk Communicator [View Paper]
Author: Sasaki, Ryoichi; Watanabe, Tomohiro; Yajima, Hiroshi
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Decision support system; Information acquisition; Portal; Risk communication; Security
Country: Japan

111. Support System for Reconstructing Fond Memories Lost in Disasters [View Paper]
Author: Nakatani, Yoshio
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Disaster; Fond memory; Interface design; Recovery; Remembering
Country: Japan

112. Synchronism and Diachronism into Evolution of the Interfaces for Quality Communication in Multimedia Systems [View Paper]
Author: Ficarra, Francisco V. Cipolla
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Communication; Diachronism; Evolution; Interface; Isotopy
Country: Italy

113. Temporal Control Paradigms for Direct Brain Interfaces – Rethinking the Definition of Asynchronous and Synchronous [View Paper]
   Author: Birch, Gary E.; Mason, Steven G.
   Volume: Volume 5 - Emergent Application Domains in HCI
   Keywords: Assistive Technologies; Asynchronous control; Biometric interfaces; Brain-computer interfaces; Direct brain interfaces
   Country: Canada

114. Theoretical Framework to Practice Collaborative Learning Among Distant Schools [View Paper]
   Author: Inagaki, Tadashi
   Volume: Volume 5 - Emergent Application Domains in HCI
   Keywords: CSCL; ICT education; Instructional design; Inter School Collaborative Learning; Learning environment
   Country: Japan

115. Tool for Measuring Webpage Visual Features [View Paper]
   Author: Asahi, Toshiyuki; Kohno, Izumi; Okada, Hidehiko
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   Keywords: Link; Tool; Usability; Visual design; Webpage
   Country: Japan

116. Towards the Development of a Driver Support Module Using Intelligent Agent Technology [View Paper]
   Author: Panou, Maria
   Volume: Volume 5 - Emergent Application Domains in HCI
   Keywords: Driver personalization algorithm; Reaction time; Research vehicle; Time to collision; Time to line crossing
   Country: Greece

117. Towards Two-Dimensional Cursor Control Using Electrocorticographic Signals [View Paper]
   Author: Leuthardt, E.C.; Miller, K.J.; Moran, D.; Ojemann, J.; Schalk, Gerwin; Wolpaw, Jonathan R.
   Volume: Volume 5 - Emergent Application Domains in HCI
   Keywords: Assistive Technologies; Biometric interfaces; Brain-computer interfaces; Electrocorticographic signals; Intracortical recording
   Country: United States of America

118. Usability Test of PDA's Interface to Display Map [View Paper]
   Author: Hijikata, Yoshinori; Nishida, Shogo; Takahashi, Shigeru; Wang, Yiqun
   Volume: Volume 5 - Emergent Application Domains in HCI
   Keywords: Map software; Operation; PDA; Real World Navigation; Usability testing
   Country: Japan

119. The Use of Intelligent Agents for Provision of Driver Information in a Self-Explanatory and Personalised Way [View Paper]
   Author: Amditis, Angelos; Bekiaris, Evangelos; Kalogirou, Konstantinos; Panou, Maria
   Volume: Volume 5 - Emergent Application Domains in HCI
   Keywords: Bluetooth; GPS; Intelligent agents; Self-explanatory road; Wireless communication
   Country: Greece

120. The Use of Near Infrared Brain Imaging Methods to Monitor Cognitive States [View Paper]
   Author: Fabiani, Monica; Gratton, Gabriele; Kramer, Arthur F.
   Volume: Volume 5 - Emergent Application Domains in HCI
   Keywords: Augmented cognition; Brain imaging; Event-related optical signal (EROS); Near-infrared spectroscopy (NIRS); Optical imaging
   Country: United States of America

121. User Experience as a Business Unit: Implications for the HCI Profession [View Paper]
    Author: Gribbons, William M.
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Business; Design; Education; Human-Computer Interaction (HCI); User experience
    Country: United States of America

122. User Interface Realism: Ambient Utility Games Challenge Edutainment Applications [View Paper]
    Author: Kangas, Sonja
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Ambient intelligence; Open content; User interface realism; Users as co-creators; Utility games
    Country: Finland

123. User Linguistic Model Adaptivity for Prediction in AAC Message Composition [View Paper]
    Author: Gatti, Nicola; Matteucci, Matteo; Sbattella, Licia
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Human-Computer Interaction (HCI); Intelligent interface; Linguistic prediction; User model adaptability; Verbal disable interface
    Country: Italy

124. User Model-Based Information Split for Multimodal Information Presentation [View Paper]
    Author: Brzezinski, Jacek
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Information split; Multimodal Interfaces; Multimodal presentation; Supervised learning; User modeling
    Country: United States of America

125. User Requirements and Usage Life-cycle for Digital Libraries [View Paper]
    Author: Antona, Margherita; Kartakis, George; Mourouzis, Alexandros; Stephanidis, Constantine
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Digital libraries; Lifecycle; Usage patterns; User interface design; User requirements
    Country: Greece

126. A User Study of Information Integration System for e-Marketplace [View Paper]
    Author: Hijikata, Yoshinori; Kusumura, Yukitaka; Nishida, Shogo
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: e-Marketplace; Information extraction; Information Integration; Net auction; User studies
    Country: Japan

127. Using Storyboards to Validate Home Use Medical Device Design Concepts [View Paper]
    Author: Blowers, Paul; Dove, Laura; Mbiti, Juliet
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Device; Home; Medical; Patients; Storyboards
    Country: Canada; United States of America

128. The ViewPlus IVEO Scalable Vector Graphics Technology for Universally Usable Complex Information [View Paper]
    Author: Bulatov, Vladimir; Gardner, John A.; Stowell, Holly
    Volume: Volume 5 - Emergent Application Domains in HCI
    Keywords: Complex information; Graphical information; SVG; Universal accessibility; Visual impairment
    Country: United States of America

129. Virtual Engineering: Challenges and Solutions [View Paper]

Author: Bullinger, Hans-Jorg; Potinecke, Thomas; Rogowski, Thorsten; Tippmann, Volker
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Digital factory; Process integration; Product development; Production planning; Virtual engineering
Country: Germany

130. Virtual Time Machine [View Paper]
Author: Hirose, Michitaka; Ueoka, Ryoko
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Real World Simulation; Virtual Time Machine; VTM Office; VTM Public; VTM Wearable
Country: Japan

131. Visibility of Graphical Character Mail in Multiple Languages on Mobile Phones [View Paper]
Author: Hasegawa, Satoshi; Matsunuma, Shohei; Miyao, Masaru; Omori, Masako
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Emergency situations; JPG graphical font; Mobile phones; Multilingual information; Visibility
Country: Japan

132. Visualization of Temporal Topic-flow in Collaborative Learning Environment [View Paper]
Author: Kojiri, Tomoko; Watanabe, Toyohide; Yamaguchi, Kaori
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Collaborative learning; Discussion flow; Meaningful utterances for latecomer; Topic tree; Visualization of discussion records
Country: Japan

133. A Walking Guide for the Blind Using a Scanning Sound Beam Made by Parametric Array Effect [View Paper]
Author: Hashimoto, Masami; Itoh, Kazunori; Makabe, Toru; Mori, Hiroki; Yonezawa, Yoshimichi
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Blind; Oriented sound; Parametric array; Ultrasonic; Walking support
Country: Japan

134. What Are the Differences Between the Prefixes "M" And "E" for Commerce? [View Paper]
Author: Ozok, A. Ant; Yenisey, Mehmet Mutlu
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Business models; e-Commerce; Integration; M-Commerce; Value adding
Country: Turkey; United States of America

135. Where Scrappers Become Slingers: The Boundaries of Low and High Tech in Scrapbooking [View Paper]
Author: Stevens, Molly M.
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Family; Home; Memory; Mixed media; Scrapbook
Country: United States of America

136. Willingness-to-Learn Promotion System for CMC Environments Based on Inter-personal Relationships [View Paper]
Author: Hishina, Masateru; Okada, Roberto; Suzuki, Katsuaki
Volume: Volume 5 - Emergent Application Domains in HCI
Keywords: Awareness; CMC; Collaborative learning; Interpersonal relation; Willingness
Country: Japan

137. Wrist-Top User-Interface Design [View Paper]
Author: Marcus, Aaron; Park, Seonghee
Volume: Volume 5 - Emergent Application Domains in HCI

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   Country: People's Republic of China

2. Abduction and HCI: A Cognitive Model for Evaluating and Designing Human Interface [View Paper]
   Author: Bardone, Emanuele; Magnani, Lorenzo
   Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
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   Keywords: Accident diagnosis; Dynamic neural network; Fault detecting; Neural network; Operator support system
   Country: Korea

4. Accuracy Error Span Evaluations: Implications for User Interface Design of Speech Dictation and
   Handwriting Recognition Applications [View Paper]
   Author: Lewis, James R.
   Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
   Keywords: Correction controls; Correction dialog; Error span evaluation; Handwriting recognition accuracy; Speech
   recognition accuracy
   Country: United States of America

5. Active Walking Interface for Human-Scale Virtual Environment [View Paper]
   Author: Bouguila, Laroussi; Courant, Michele; Florian, Evequoz; Hirsbrunner, Beat
   Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
   Keywords: Locomotion; Sensors; Step-in-place; Virtual Environments; Walking-pad
   Country: Switzerland

6. Adapting OCC Theory for Affect Perception in Educational Software [View Paper]
   Author: Katsionis, George; Virvou, Maria
   Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
   Keywords: Adaptive user modeling; Affective computing; Educational software; OCC cognitive theory of emotions; Virtual
   reality games
   Country: Greece

7. Aesthetic and Emotional Evaluations of Computer Interfaces [View Paper]
   Author: Laarni, Jari; Ravaja, Niklas; Saari, Timo
   Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
   Keywords: Aesthetics; Computer interface; Emotion; Usability; Visual design
   Country: Finland

8. An Agent-based Intelligent Tutoring System Architecture [View Paper]
   Author: Botella, Federico; Fernandez-Caballero, Antonio; Lazcorreta, Enrique; Noheda, Jose Manuel
   Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
   Keywords: Adaptivity; Agent system architecture; e-Learning; e-Teaching; Intelligent Tutoring Systems
   Country: Spain

9. Analysis and Synthesis of Cooperation Between Modalities [View Paper]
   Author: Martin, Jean-Claude
   Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
   Keywords: Corpus; Embodied conversational agent; Input fusion; Multimodality; User studies
   Country: France

10. An Analysis of Novice Text Entry Performance on Large Interactive Wall Surfaces [View Paper]
    Author: Pavlovych, Andriy; Stuerzlinger, Wolfgang
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Interactive whiteboards; Keyboard layouts; Novice performance; Soft keyboards; Text entry
    Country: Canada

11. Analyzing Interaction with Computer of SME Staff in eLearning Process [View Paper]
    Author: Hamburg, Ileana; Lindecke, Christiane; Terstriep, Judith
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: e-Learning; European projects; Interaction with computers; SME; Staff qualification
    Country: Germany

12. Auditive "Boldfacing", Emotional Characteristics of Message, and Individual Differences in Memory Acquisition of Computer Mediated Business News [View Paper]
    Author: Kallinen, Kari; Laarni, Jari; Ravaja, Niklas; Saari, Timo
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Audio manipulation; Emotion; Individual differences; Memory performance; News
    Country: Finland

13. Autonomic Balance and Personality of Net-addicted VDT-operators [View Paper]
    Author: Borodulin-Nadzieja, Ludmila; Calkosinki, Ireneusz; Janocha, Anna; Pilecki, Witold; Salomon, Ewa; Skalik, Robert; Sobieszczanska, Malgorzata
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Autonomic balance; Net-addiction; Personality; Somatoform disorders; VDT-operators
    Country: Poland

14. Biphasic Effect of Visually-Induced Motion Sickness Revealed by Time-Varying Correlation of Autonomic Nervous System [View Paper]
    Author: Abe, Makoto; Chiba, Shigeru; Nitta, Shin-ichi; Sugita, Norihiro; Tanaka, Akira; Yambe, Tomoyuki; Yoshizawa, Makoto
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Correlation between blood pressure and heart rate; Emotional reaction; Mayer wave; Rho-max; Visually-induced motion sickness
    Country: Japan

15. Brain-wave-based Motion Control System for a Mechanical Pet [View Paper]
    Author: Itou, Kiyoto; Koyabu, Shinya; Ohkura, Michiko; Oishi, Motoki; Ota, Seiji; Sekine, Keiichi
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Brain wave; Healing robot; Mechanical pet; Motion control; Pet robot
    Country: Japan

16. Children's Gesture and Speech in Conversation with 3D Characters [View Paper]

Author: Bernsen, Niels Ole; Buisine, Stephanie; Martin, Jean-Claude
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: 3D; Children; Embodied conversational agent; Evaluation; Multimodal Interfaces
Country: Denmark; France

17. Co-CreativePen: A System for Children Constructing Sharing Virtual World [View Paper]
Author: Dai, Guo-Zhong; Tian, Feng; Wang, Weixin; Zhang, Fengjun
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Country: People's Republic of China

18. The Cognitive and Behavioral Differences of Developing Design Concept in Traditional versus Digital Media [View Paper]
Author: Jan, Tzyy-Huei; Tzeng, Yin-Ting; Wang, Jiunn-Shing; Yeh, Wen-Dih
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Conceptualization; Design behavior; Design cognition; Protocol analysis; Sketches
Country: Taiwan

19. Collaborative Structuring of Knowledge in Daily Teaching Practice – Our Experiences with Synchronous Web Based Technologies [View Paper]
Author: Bertelt, Klaus; Hampel, Thorsten; Vitt, Silke
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Cooperative; Shared whiteboard; SVG; Teaching; Web content management
Country: Germany

20. Collaborative Teamwork with Unmanned Ground Vehicles in Military Missions [View Paper]
Author: Curtis, Michael; Fincannon, Thomas; Jentsch, Florian G.; Rehfeld, Sherri A.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Military; Semi-autonomous Robots; Teams; Unmanned Ground Vehicles; Workload
Country: United States of America

21. Communication Requirements for Effective Team Performance [View Paper]
Author: Chui, Yoon Ping; Lim, Kee Yong; Sulistyawati, Ketut
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Communications; Empirical studies; Fighter mission simulation; Performance shaping factors; Team performance
Country: Singapore

22. Computer Assisted Instruction Using Augmented Reality in Operating the Transportable Earth Station -- Comparison Between Single-sided and Both-sided HMDs [View Paper]
Author: Asai, Kikuo; Kobayashi, Hideaki
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Augmented reality; Computer assisted instruction; Heads-up display; See-through HMD; Transportable earth station
Country: Japan

23. Context Aware Operation Reproduction for Safety Driving [View Paper]
Author: Azuma, Shinsuke; Kaede, Satoshi; Shimakawa, Hiromitsu; Yamahara, Hiroyuki
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Bayesian Network; Behavioral Characteristic; Context awareness; RFID System; Ubiquitous Computing
Country: Japan

24. A Corpus-Based Approach for the Modeling of Multimodal Emotional Behaviors for the Specification of Embodied Agents [View Paper]

Author: Abrilian, S.; Devillers, L.; Martin, Jean-Claude
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Annotation; Corpus; Emotion; Multimodal behavior; Video
Country: France

25. Designing a PDA Interface for Dialysis Patients to Monitor Diet in their Everyday Life [View Paper]
Author: Connelly, Kay H.; Jones, Josette F.; Kraus, Michael A.; Perkins, Susan M.; Rogers, Yvonne; Siek, Katie A.; Trevino, Laurie L.; Welch, Janet L.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Digital assistant; Disease management; Interface design; Monitoring; Public databases
Country: United States of America

26. Designing an Educational Video Game for Smoking Prevention [View Paper]
Author: Legge, Norman K.; McDaniel, Anna M.; Root, Michael D.; Stratton, Renee M.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Computer games; Educational video games; Health behavior change; Smoking cessation; Social inocculation
Country: United States of America

27. Designing Presentation Recording Applications: A Hierarchy for Quality Issues of Capturing Techniques [View Paper]
Author: Pomm, Conrad
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Automated capturing; Capturing techniques; Hierarchy; Lecture recording; Presentation recording
Country: Switzerland

28. Determining Potential Metrics of Eye-Movement Data to Aid in the Usability Problem Identification Process [View Paper]
Author: Andre, Terence; Faggart, David
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Critical incidents; Eye movement; Eye tracking; Problem identification; Usability Evaluation
Country: United States of America

29. Developing Interaction Devices with 6 DOF for Virtual Environments [View Paper]
Author: Bullinger, Alex H.; Haselberger, Frank; Karaseitanidis, Ioannis; Patel, Harshada; Stefani, Oliver; Wiederhold, Brenda K.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: 6 DOF; Input devices; Interaction; Test and Evaluation; Virtual Reality
Country: Germany; Greece; Switzerland; United Kingdom; United States of America

30. Development of Educational SCM Simulator [View Paper]
Author: Nakamura, Yoshiki; Sakamoto, Katsuhiro; Sato, Hideaki
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Agent-model; Business game; Decision-making; Educational tool; SCM
Country: Japan

31. A Development of Embarrassment Detection Method Using Eye Movement Data [View Paper]
Author: Aoyama, Noriyuki; Fukuda, Tadahiko; Nakamura, Masashi; Tanaka, Yasunori
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Confusion; Embarrassment; Eye movement; Human-Computer Interaction (HCI); Psyghological State
Country: Japan

32. Development of Human Performance Evaluation Support System for Human Factors Validation of MCR Design in an Advanced Nuclear Power Plant [View Paper]
Author: Ha, Chang Hoon; Ha, Jun Su; Kim, Jong Hyun; Seong, Poong Hyun

Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Advanced NPPs; Human Factors; Human performance; Integrated system validation; MCR design
Country: South Korea

33. Development of the Design Support System for Collaborative Learning Activity [View Paper]
Author: Koga, Akihiko; Nishiyama, Haruhiko
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Collaborative activity design; Collaborative learning; Distance learning; Interaction; Wizard
Country: Japan

34. Digital Human Modeling for Ergonomic Analysis and Design in the Automotive Industry: An Overview [View Paper]
Author: Duffy, Vincent G.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Design optimization; Digital Human Modeling; Ergonomic Analysis and Design; Virtual Build; Virtual Design Assessment
Country: United States of America

35. Distance Estimation in a VR Application: Interindividual Differences and Intraindividual Stabilities from a Psychological Point of View [View Paper]
Author: Armbruster, Claudia; Fimm, Bruno; Heber, Ines-Ann; Kuhlen, Torsten; Spijkers, Will; Valvoda, Jakob T.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Depth perception; Interindividual differences; Intraindividual stabilities; Psychophysics; Virtual Environments
Country: Germany

36. Driver's Psycho-physiological Reaction for Driving Support System [View Paper]
Author: Horie, Yoshinori
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Driver; Driving support system; Eye activity; Heart rate; Psycho-physiological reaction
Country: Japan

37. Effect of Circadian Lighting System Complemented the Brightness with Daylight on Human Performance [View Paper]
Author: Kawase, Takaharu; Obayasi, Fumiaki; Sekikawa, Satoshi; Terano, Masaaki; Yoshioka, Yohsuke
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Circadian Lighting System; Daylight using; Eye blinking; Melatonin; Task performance
Country: Japan

38. Effects of Rotational Components of Yaw, Roll and Pitch on Visually-induced Motion Sickness [View Paper]
Author: Kozawa, Ryo; Saida, Shinya; Ujike, Hiroyasu; Yokoi, Takashi
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Pitch; Roll; Vection; Visually-induced motion sickness; Yaw
Country: Japan

39. EmoTetris for Recognition of Affective States [View Paper]
Author: Blech, Michael; Herbort, Oliver; Oertel, Karina; Schultz, Randolf; Urban, Bodo; Voskamp, Jorg
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Affective states; Computer games; Emotion induction; Physiological measurements; User behavior
Country: Germany

40. Emotional Design - Designing for Satisfaction and Pleasure [View Paper]
Author: Cardoso, Soraia

Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Emotional design; Feeling; Pleasure; Usability; User satisfaction
Country: Netherlands

41. Empowering Workplace eLlearning Program Design: The Key Role of Training Needs Assessment [View Paper]
Author: Borotis, Spiros A.; Karamanis, Vassilis A.; Poulymenakou, Angeliki K.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Blended; Corporate training; e-Learning; Instructional design; Training needs
Country: Greece

42. Energy Consumption and Thermal Comfort Under the Air-Conditioning System Controlled by Occupants' Requests from PC terminal [View Paper]
Author: Harada, Masayuki; Kuno, Satoru; Mizutani, Kana; Murakami, Yoshifumi; Terano, Masaaki
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Consensus; Energy saving; Feedback; Interactivity; Thermal comfort
Country: Japan

43. Ergonomic Aspects of the Future Housing Forms for the Elderly [View Paper]
Author: Charytonowicz, Jerzy; Nowakowski, Przemyslaw
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Assisted living apartment; Assisted living housing; Disabled persons; Old age; Socialization
Country: Poland

44. Ergonomic Design of User Guides in Multimedia Environments with Remote Controls and Onscreen Displays [View Paper]
Author: Kurtz, P.; Lutherdt, S.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Acceptance; Haptic; Onscreen display; Remote control; Tactile
Country: Germany

45. Ergonomically Based Design of Human Interface by Means of the Nanopositioning and Nanomeasuring Machine [View Paper]
Author: Gramsch, T.; Kurtz, P.; Sievers, G.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Ergonomics; Interface; Nanopositioning; Prototyping; Tool
Country: Germany

46. Evaluating Driver's Visual Behavior While Driving on Highway [View Paper]
Author: Akamatsu, Motoyuki; Sato, Toshihisa; Takahashi, Akihiko
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Endogenous visual behavior; Eye motion measurement; Head motion; Natural driving; Overtaking
Country: Japan

47. Evaluation Methods of e-Learning Materials by EEG Topography [View Paper]
Author: Anse, Michiko; Ishizu, Syohei; Tabe, Tsutomu
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Coincidence level; Comfortable state; e-Leaning material; EEG; Evaluation methods
Country: Japan

48. An Evaluation of an Online Collaborative Course [View Paper]
Author: Erbug, Cigdem; Oztoprak, Aydin
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction

Keywords: Collaborative work; Design education; Design process; Online design studio; Virtual Environments
Country: Turkey

49. Evaluation of Driver's State of Tension [View Paper]
Author: Sakakibara, Kiyomi; Taguchi, Toshiyuki
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Driver's behavior; Head motion; Reaction time; Steering operation; Tension
Country: Japan

50. Examining the Qualitative Gains of Mediating Human Interruptions During HCI [View Paper]
Author: Gievska, Sonja; Lindeman, Robert W.; Sibert, John L.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Bayesian Network; Computer-mediated coordination of interruption; Exploratory user study; Human interruptions; Interruption Taxonomy
Country: United States of America

51. An Experimental Comparison and Evaluation of AR Information Presentation Devices for a NPP Maintenance Support System [View Paper]
Author: Ishii, Hirotake; Shimoda, Hiroshi; Yamazaki, Yuichiro; Yoshikawa, Hidekazu
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Augmented reality; Device Evaluation; Maintenance Work Support; Nuclear power plant; Water System Isolation Task
Country: Japan

52. Exploring Display Factors that Influence Co-Located Collaboration: Angle, Size, Number, and User Arrangement [View Paper]
Author: Hawkey, Kirstie; Inkpen, Kori; Kellar, Melanie; Mandryk, Regan; Parker, Karen; Reilly, Derek; Scott, Stacey; Whalen, Tara
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Co-located Collaboration; Computer Supported Cooperative Work; Large displays; Single Display Groupware; Tabletop Displays
Country: Canada

53. Exploring the Impact of Information Visualization on Medical Information Seeking Using the Web [View Paper]
Author: Mane, Ketan K.; Mostafa, Javed
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Information visualization; Medical information searching; Search and filtering engine; Usability testing; User interface design
Country: United States of America

54. Factors Causing Variations in Magnitude and Speed Perception of Visually Induced Self-motion [View Paper]
Author: Inokuchi, Seiji; Inoue, Yumiko; Isobe, Yusuke; Ohsuga, Mieko; Takahashi, Kensuke
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Speed perception; Stereoscopic display; Vection; Virtual Reality; Visual stimulus
Country: Japan

55. Fatigue Estimation of Locomotive Drivers Working at Night [View Paper]
Author: Duh, Henry Been-Lirn; Fang, Weining; Guo, Beiyuan; Luo, Zhiqiang; Yu, Wuqiang
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Assessment method; Lcomotive drivers; Night driving; Pupil size; Visual fatigue
Country: People's Republic of China; Singapore

56. From Personas to Design: Creating a Collaborative Multi-disciplinary Design Environment
[View Paper]
Author: Chewar, C.M.; Hobby, Laurian; Lee, Jason Chong; McCrickard, D. Scott; Ndiwalana, Ali; Smith, Jamie L.; Wahid, Shahtab
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Claims; Design knowledge reuse; Digital library; Personas; User-centered design
Country: United States of America

57. A Guideline for Application of Dynamic Information in Consideration of the Characteristics of Tasks
[View Paper]
Author: Okada, Yusaku; Takemoto, Masanori
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Color; Eye tracking; Information processing; Monitoring work; VDT work
Country: Japan

58. HCI Aspects for Pen-Based Computers in Classrooms and Lecture Halls [View Paper]
Author: Hurst, Wolfgang; Mohamed, Khaireel A.; Ottmann, Thomas
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Digital ink; Digital lecture halls; GUI design for pen-based computing; Pen-based input devices; Pie menus
Country: Germany

59. How to Study the Learnability of Complex Systems – Evaluating a System by Observing Training Sessions [View Paper]
Author: Kujala, Sari; Linja-aho, Minttu; Nakari, Pia
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Complex systems; Ease of learning; Evaluation; Learnability; Training
Country: Finland

60. HR Triggered Extraction of Driving Scenes with Danger and Difficulties Using Driving Simulator
[View Paper]
Author: Horie, Yoshinori; Kageyama, Ichiro; Kuriyagawa, Yukiyo; Ohsuga, Mieko
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Dangerous driving situation; Driver assist system; Driver's stress; Driving simulator; Heart rate
Country: Japan

61. Human Factors Assessment of Three Commercial Interior Positioning Systems [View Paper]
Author: Everett, Sarah; Harvey, Craig M.; Holden, Kritina L.; Whitmore, Mihriban
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Dpace flight; Environmental exposure assessment; Error rate; Interior positioning systems; Usability
Country: United States of America

62. Human Factors in the HCI Learning Process: A Survey [View Paper]
Author: Cox, David
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Cognitive; Engage; Human; Motivation; Usability
Country: United Kingdom

63. Human Interaction with Computers: Cognitive Skills Employed in Digital Work [View Paper]
Author: Eshet, Yoram
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Computers and thinking; Digital era; Digital literacy; Literacy; Thinking skills
Country: Israel

64. Human Operational Errors in a Virtual Driver Simulation [View Paper]
    Author: Kanade, Takeo; Kitamura, Koji; Nakata, Toru; Simo, Altion
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Car; Human error; Simulation; Usability; User modeling
    Country: Japan

65. Human Response Under Multiple Modal Situation in Knowledge Management [View Paper]
    Author: Miyoshi, Tetsuya; Nakagawa, Masao; Nakayasu, Hidetoshi; Yamanaka, Kimihiro
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Artificial knowledge; Data processing; Human response; Natural knowledge; Visual inspection
    Country: Japan

66. The HYPERREAL Design System Visual Forming of Real Object Using Vitual-Shade Projection
    [View Paper]
    Author: Hisada, Masaru; Kanaya, Ichiroh; Sato, Kosuke; Yamamoto, Keiko
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Design; Human interface; Mixed reality; Virtual Reality; Virtual shade projection
    Country: Japan

67. Identifiability: A Predictive Quantitative Measure for the Comparison of a Task Designed in
    Different Interaction Styles [View Paper]
    Author: Christou, Georgios; Jacob, Robert J.K.
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Comparative tools; Evaluation tools; Human-Computer Interaction (HCI); Non-wimp interaction; Post-wimp
    interaction
    Country: Cyprus; United States of America

68. Improving the Maintenance Engineer's View to the Process Control System [View Paper]
    Author: Beuthel, Carsten M.; Topp, Ulrich
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Industrial IT; Knowledge; Process control; Service; User interface
    Country: Germany

69. The Influence of Data Structure Representation on End User Queries [View Paper]
    Author: Crosby, Martha E.; King, Laurel
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Cognitive load; Conceptual model; Data representation; Database interface; Distance
    Country: United States of America

70. Information Sharing by Using Monocular See-Through Head-Mounted Displays for Cooperative
    Work in Air Traffic Control Systems [View Paper]
    Author: Nakanishi, Miwa; Okada, Yusaku
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Air Traffic Control; Augmented reality; Cooperative work; Head-Mounted Display; Information sharing
    Country: Japan

71. Initialising a Cognitive User Model of Memory Within a Mobile Game [View Paper]
    Author: Manos, Konstantinos; Virvou, Maria
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Cognitive; Ebbinghaus; Game; Retention; User model
    Country: Greece

72. Instructional Computing: What Students Want [View Paper]

Author: [Hewett, Thomas T.](); [Sari, Dana J.]()
Volume: [Volume 6 - Human Factors Issues in Human-Computer Interaction]()
Keywords: [Classroom Design](); [Instructional Computing](); [Student Goals](); [Teaching Support](); [Teaching/Learning Environments]()
Country: [United States of America]()

73. An Integrated Approach to Virtual Tape Drawing for Automotive Design [[View Paper]()]
    Author: [Filipe, Rodrigo](); [Jorge, Joaquim](); [Santos, Pedro](); [Stork, Andre]()
    Volume: [Volume 6 - Human Factors Issues in Human-Computer Interaction]()
    Keywords: [Design review](); [Human-Computer Interaction (HCI)](); [Product design](); [Virtual Reality](); [Virtual tape drawing]()
    Country: [Germany](); [Portugal]()

74. Intelligent HRI Planning in Virtual Reality: Humanoid Home-Service Robot for Human-Robot Coexisting "Robot Gets Closer to Humans" [[View Paper]()]
    Author: [Ahn, Hyunsang](); [Hwang, Yong K.](); [Kim, Jinsul](); [Lee, Hyunsoo](); [Park, Jihwan]()
    Volume: [Volume 6 - Human Factors Issues in Human-Computer Interaction]()
    Keywords: [HRI (Human Robot Interaction)](); [Humanoid Home Service Robot](); [Path Planning, Motion Planning, Grasp Planning](); [Ubiquitous Computing](); [Virtual Reality]()
    Country: [Korea]()

75. Intelligent Tutoring System for Enhancing E-Learning/E-Teaching in an Engineering Course [[View Paper]()]
    Author: [Botella, Federico](); [Fernandez-Caballero, Antonio](); [Lazcorreta, Enrique](); [Noheda, Jose Manuel]()
    Volume: [Volume 6 - Human Factors Issues in Human-Computer Interaction]()
    Keywords: [Adaptivity](); [Distance learning](); [e-Learning](); [e-Teaching](); [Intelligent Tutoring Systems]()
    Country: [Spain]()

76. Interaction and Design for a Multi-User Edutainment Application on a Large-Scale Screen [[View Paper]()]
    Author: [Frohlich, Torsten](); [Kruse, Rolf](); [Schwald, Bernd]()
    Volume: [Volume 6 - Human Factors Issues in Human-Computer Interaction]()
    Keywords: [Computer-based learning](); [Interaction design](); [Multi-User Interaction](); [Optical Tracking](); [Virtual Reality]()
    Country: [Germany]()

77. Interactive Education and Mobile Learning Through Wirelss Communication Networks [[View Paper]()]
    Author: [Davcev, Danco](); [Kalajdziski, Slobodan](); [Trajkovik, Vladimir]()
    Volume: [Volume 6 - Human Factors Issues in Human-Computer Interaction]()
    Keywords: [Distance education](); [Interactive education](); [Interface design](); [mLearning](); [Wireless communications]()
    Country: [Macedonia]()

78. K-12 Teachers as Educational Simulation Developers: A Study of Reuse Programming for the Classroom [[View Paper]()]
    Author: [Rosson, Mary Beth](); [Seals, Cheryl](); [Walker, Kamilah]()
    Volume: [Volume 6 - Human Factors Issues in Human-Computer Interaction]()
    Keywords: [Novice programming](); [Reuse](); [Teacher education](); [Usability study](); [Visual programming]()
    Country: [United States of America]()

79. The Knowledge Acquisition of TFT-LCD Defects Inspection [[View Paper]()]
    Author: [Chang, Jung-Jung](); [Hwang, Sheue-Ling](); [Wen, Chao-Hua]()
    Volume: [Volume 6 - Human Factors Issues in Human-Computer Interaction]()
    Keywords: [Defect](); [Inspection](); [knowledge acquisition](); [LCD](); [TFT-LCD]()
    Country: [People's Republic of China]()

80. Knowledge Exchange: Exploring the Role of Context in Collaborative Learning [View Paper]
    Author: Atwood, Michael E.; Soria, Francisco X.
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Collaborative learning; Context; Information retrieval; Knowledge transfer; Organizational memory
    Country: United States of America

81. Labanotation for Remote Robot Control - Easy Input Technique for Operating Robot [View Paper]
    Author: Nakano, Shizuo; Nishihara, Isao
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Communications; Human interface; Labanotation; Operating robot; Remotely controlled robot
    Country: Japan

82. A Low-Cost Digital Usability Recording Environment for Undergraduate Education and Research
    [View Paper]
    Author: Andre, Terence; Lefebvre, Austen; Lovellette, Shane
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Digital recording; Evaluation methods; Human-Computer Interaction (HCI); Teaching laboratory; Usability
    Evaluation
    Country: United States of America

83. Management of Creative Process Using Cusp Surface Analysis System [View Paper]
    Author: Cobb, Loren; Kume, Yasufumi; Okada, Kiichiro
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Catastrophe theory; Creative process; Cusp surface analysis; Knowledge management; Psychological stress
    Country: Japan

84. Methodologies for Driver-centred Evaluation of Perceptive and Cognitive Requirements of In-
    vehicle Display [View Paper]
    Author: Pauzie, Annie
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Evaluation; Human Factors; In-vehicle system; Methodologies; Road safety
    Country: France

85. A Methodology for Non-intrusive Mental Workload Measurement in Simulated and On-road Driving
    [View Paper]
    Author: Duffy, Vincent G.; Or, Calvin Ka Lun
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Driving performance; Facial skin temperature; Mental workload; Non-intrusive mental workload measures;
    Simulated driving
    Country: United States of America

86. A Methodology for the Design of Multimedia Ludic Artefacts with the Active Participation of
    Children [View Paper]
    Author: Lopes, Conceicao; Mealha, Oscar; Veloso, Ana
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Interaction; Ludicity; Multimedia design; Multimedia ludic artefacts; Participatory design
    Country: Portugal

87. Mixed Reality Human Centered Media for Social and Physical Interaction and Entertainment
    [View Paper]
    Author: Cheok, Adrian David; Kato, Hirokazu; Lee, Shang Ping; Liu, Wei; Teo, Hui Siang; Teo, Sze Lee; Xu, Ke
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Human Pacman; Mixed reality; Tangible user interface; Touchy Internet; Ubiquitous Human Media
    Country: Japan; Singapore

88. Modeling Nurse Computer Interactions [View Paper]
    Author: Alexander, Gregory L.; Rantz, Marilyn
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Nurse computer interactions; Nursing homes; Nursing knowledge; Nursing process; Wireless information systems
    Country: United States of America

89. Modulation of Oscillatory Neural Activities by Cholinergic Activation -- Local Field Potential Recording with Computer Models [View Paper]
    Author: Chen, Chiou-Min; Liu, Chung-Yong; Liu, Pei-Shan; Tsai, Cheng-Hsien
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Cholinergic activation; Computer model; Human brain; Local field potential; Oscillatory neural activities
    Country: Taiwan

90. Multimodal Human-computer Interface for Assisting Neurosurgical System [View Paper]
    Author: Karpov, A.A.; Litvinov, M.V.; Ronzhin, A.L.; Timofeev, A.V.
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Multimodal Interfaces; Neurosurgery assistant; Speech recognition; Video capture; Virtual Reality
    Country: Russia

91. Multiple User Interface for Exploring Genomics Databases [View Paper]
    Author: Ferey, Nicolas; Gherbi, Rachid; Gros, Pierre-Emmanuel; Herisson, Joan; Seffah, Ahmed
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Bioinformatic; Data visualization; Database visualization; Evaluating information; Multimedia interface
    Country: Canada; France

92. The Need of Interactive Training Tools in ITS Use Training: Collaborative Work Within HUMANIST Network of Excellence [View Paper]
    Author: Gaitanidou, Evangelia; Nikolaou, Stella
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Drivers; e-Safety; ITS training; MMT tool; Training methods
    Country: Greece

93. NEURON: Networked Edutainment UniverRse ONline [View Paper]
    Author: Lee, Alpha
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Edutainment; Interaction design; Interface design; Multimodality; Neuroscience
    Country: People's Republic of China

94. Objective Measurement Method for Productivity and Investigation on Environmental Factor [View Paper]
    Author: Ito, Kyoko; Kawauchi, Misa; Obayashi, Fumiaki; Shimoda, Hiroshi; Terano, Masaaki; Yoshikawa, Hidekazu
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Cognitive psychology; Field survey; Performance test; Productivity; Thermal environment
    Country: Japan

95. Ontology-based Information Retrieval to Support Patient Simulation in the Problem-Based Learning [View Paper]
    Author: Evens, Martha W.; Kim, Injoo J.; Kim, Yeongkwun
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Human interface; Information retrieval; Ontology; Patient simulation; Problem-based learning
    Country: United States of America

96. Optimum Product Color Combination Using the FAHP Approach Combined with the Image Compositing Technique [View Paper]
    Author: Chen, Chieh-Ying; Lee, Ying-Jye; Wu, Fong-Gong
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Color combination; Customization; Decision-making; Fuzzy analytic hierarchy process; Image compositing
    Country: People's Republic of China

97. Overcoming the Bad Tradition in Designing a Computerized Workplace [View Paper]
    Author: Tytyk, Edwin
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Computer; Designing; Ergonomics; Methods; Work place
    Country: Poland

98. Participatory Design of an Electronic Medical Record System for Handheld Devices Using Surrogate Users [View Paper]
    Author: Baran, Melanie; Chignell, Mark; Orr, Michael Scott; Straus, Sharon E.; Tohidi, Maryam; Wu, Robert
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Electronic Medical Records; Handheld computer; Medical; Participatory design; Prototyping
    Country: Canada

99. Performance and Posture Differences Between a Wrist-operated and a Finger-operated Input Device [View Paper]
    Author: Lee, Yung-Hui; Su, Mu-Chuan
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Finger-operated; Input devices; Mouse; Performance; Posture
    Country: People's Republic of China

100. Performance Effects of Keyboard Navigation in Web Systems [View Paper]
    Author: Bruno, Luis; Garcia, Luis
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Adaptive interfaces; Keyboard and mouse performance; Users tests; Web information search; Web navigation
    Country: Portugal

101. Preliminary Findings on the Clinical Utility of an Unobtrusive Home Health Monitoring System [View Paper]
    Author: Mellor, J.P.; Weiner, M.; Woodbridge, P.A.
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Case management; Frail elderly; Health services for the aged; Telemedicine; User-computer interface
    Country: United States of America

102. Programming by Example: A Powerful Paradigm to Support the Experimental Acquisition of Programming Skills [View Paper]
    Author: Girard, Patrick; Guibert, Nicolas; Guittet, Laurent
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Computer-augmented environment; Computer-based learning; Didactics; Programming by Demonstration; Usability testing
    Country: France

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    Author: Furuta, Kazuo; Yamazaki, Kazuhiko
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Design; Experience; Tool; User; User-centered design

Country: Japan

104. Psychophysical Comparison of Five Mouse Designs [View Paper]
Author: Bohan, Michael; Chaparro, Alex; Io, Lilian; Jorgensen, Michael; Scarlett, Deborah S.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Computer; Ergonomics; Input devices; Movement time; Performance
Country: United States of America

105. A Question of Fit Between Today's Graduate Student and Tomorrow's Tech-Savvy Professor: The Lessons Learned from the Teaching with Technology Course [View Paper]
Author: Schoepke, Jen S.; Svarovsky, Gina
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Future Faculty; Higher Education; Reform; Teaching; Technology
Country: United States of America

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Author: Legge, Norman K.; McDaniel, Anna M.; Stratton, Renee M.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Adjunct clinical care; Consumer message processing; Interactive communication technology; Multimedia computer program; Smoking cessation
Country: United States of America

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Author: Watanabe, Tomio; Yamamoto, Michiya
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Embodied communication; Embodied interaction; Emphatic expression; Face-to-face communication; Human interaction
Country: Japan

108. Research on Users' Mental Models in Interface Icons of Portable Media Player [View Paper]
Author: Chan, Chien-Yu; Chen, Chien-Hsiung; Chen, Shih-Chieh; Hsu, Gung-Min; Wang, Yueh-Chi
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Interaction design; Interface icon; Mental models; Perception; Small screen
Country: Taiwan

109. Robot Based System Programming Learning Support Environment [View Paper]
Author: Hayakawa, Eiichi; Nishino, Yosuke; Osumi, Keigo; Sugita, Keisuke; Tanaka, Yuki; Yoshida, Megumi
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Education; Learning support; OS; Robot; System Programming
Country: Japan

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Author: Avalle, U.; Bagnara, S.; Leotta, S.N.; Pravettoni, G.
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Keywords: Challenging task; Human-Computer Interaction (HCI); Internal guidance factors; Motivating goal; Voluntary attention
Country: Italy

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Author: Nam, Chang S.; Pujari, Amrutraj
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Country: United States of America

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Author: Ho, Janet; Ho, Wayne; O'Connell, Stephen
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Keywords: Design; Development; Methods; Scenarios; User experience
Country: Canada

113. Setting up a Multimodal Database for Multi-study Emotion Research in HCI [View Paper]
Author: Blech, Michael; Peter, Christian; Stahl, Rene; Urban, Bodo; Voskamp, Jorg
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Keywords: Emotion data; Emotion studies; Human-Computer Interaction (HCI); Multi-modal database; Optimizing database
Country: Germany

114. A Situation Analysis Through Interaction: A Framework for Understanding Situations of Everyday Lives [View Paper]
Author: Ando, Hisanori; Hama, Toshiyuki; Kinoe, Yosuke
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Country: Japan

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Author: Rogers, Michelle
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Keywords: EMR; Healthcare; Medical record; Socio-technical systems; Work process
Country: United States of America

116. Speech Usability Metric: Evaluating Spoken Language Systems [View Paper]
Author: Gilbert, Juan E.; Gupta, Priyanka
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Speech evaluation; Speech recognition; Speech usability metrics; Spoken language systems; Usability
Country: United States of America

117. A Startled-Sensor for Traffic Safety Management [View Paper]
Author: Edamatsu, M.; Matsuoka, K.; Yoshida, Megumi; Yoshino, K.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Frightened state; Heart rate; Pulse rate; Skin conductance; Virtual Reality
Country: Japan

118. Structure Processing in Menu Navigation: An Experimental Validation of a New Model of Human Information Processing [View Paper]
Author: Detenber, Benjamin H.; Leng, Theng Yin; Patsula, Peter J.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Empirical verification; Episodic model theory; Human information processing; Human memory; Menu navigation
Country: Singapore

119. A Study of the Parking-Training Simulator in the Environment of Virtual Reality [View Paper]
Author: Hwang, Sheue-Ling; Lin, Tsang-Wei
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Driving behavior; Parking; Simulator; Training; Virtual Reality

Country: Taiwan

120. A Study on a New Emotion Factor, Affective Relation, for Emotional Intelligence of a Sociable Robot in Human-friendly Interaction Environment [View Paper]
Author: Bien, Zeungnam Zenn; Kim, Young-Min; Lee, Hyong-Euk
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Affective relation; Emotional agent; Emotional intelligence; Fuzzy inference rules; Virtual steward JOSEPH
Country: Korea

121. A Study on Autonomic Indices for Assessment of Visually-induced Motion Sickness [View Paper]
Author: Nakagawa, Chizuru; Ohsuga, Mieko; Takeda, Takashi
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Keywords: Autonomic responses; Motion sickness; Simulator sickness; Virtual Environments; Virtual Reality
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Author: Bussert, Dillon; Chewar, C.M.; Gifford, Solomon S.; McCrickard, D. Scott; Montabert, Cyril
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Author: Bando, Takehiko; Iijima, Astuhiko; Kiryu, Tohru; Nomura, Eri
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Keywords: Autonomic regulation; Cybersickness; Image motion vector; Vection-inducing images; Virtual Reality
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Author: Brannon, Nathan G.; Kim, Jong W.; Koubek, Richard J.
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Keywords: Cognitive architecture; Decay-resistant knowledge; Knowledge retention; Learning and forgetting; Training
Country: United States of America

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Author: Mountjoy, Daniel N.; Perry, Anthony
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Keywords: Risk perception; Risk-taking; Risk-taking model; Teleoperation; Telerobotics
Country: United States of America

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Author: Carruth, Daniel; Duffy, Vincent G.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Cognitive models; Digital Human Modeling; Human performance modeling; Interactive Design Evaluation; Virtual Build

Country: United States of America

128. Towards the Development of a Low Cost Simulator for Night Vision Goggle Training [View Paper]
Author: Koh, Chai Wah; Lim, Kee Yong; Quek, Roy Siew Ming
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Empirical verification; Focal adjustment; Low cost simulation; Night vision goggles; Training
Country: Singapore

129. Towards Utilization of Motion Capture for Dynamic Ergonomic Assessment [View Paper]
Author: Capelli, Tara M.; Duffy, Vincent G.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Digital Human Modeling; Dynamic Ergonomic Analysis; Lumbar Motion Monitor; Motion capture; Workplace design
Country: United States of America

130. Transparent Sphere: A New Three-Dimensional Interaction Technique [View Paper]
Author: Dang, Nguyen-Thong; Duong, Vu
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: 3D interaction; 3D Interaction Technique; 3D User Interfaces; Human-Computer Interaction (HCI); Virtual Reality
Country: France

131. UI-On-Demand and Within-Reach for Wall-Mounted Digital Boards in Classrooms [View Paper]
Author: Mohamed, Khaireel A.
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Digital freehand writing; Digital ink; Digital lecture halls; Pen-based input; Pen-based menus
Country: Germany

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Author: Su, Hui; Wang, Tianshu; Wang, Zhepeng; Zhang, Qiang; Zhang, Shaoke; Zhao, Chen
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Coordinating strategy; Interruption; Knowledge worker; Qualitative study; Task switch
Country: People's Republic of China

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Author: Komischke, Tobias
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Computerized Physician Order Entry; Healthcare IT Systems; Medical User Interfaces; Usability Engineering Methods; User Task Performance
Country: United States of America

134. Use Patterns and User Needs with Digital Devices [View Paper]
Author: Caldwell, Barrett S.; Gonzalez, M. Cecilia; Wang, Enlie
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Keywords: Cellular telephone; Digital devices; Task Analysis; Usability; User context
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Author: Norsiah, Fauzan; Papoulakis, George; Ritchings, Tim; Weng, Ng Giap
Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
Keywords: Augmented reality; Cognitive task analysis; User model; User modeling; Virtual Reality
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  Author: Seals, Cheryl; Strickland, Fred L.
  Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
  Keywords: Children; Education; Minimalist; Training; Tutorial
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137. Using the Lens Model Framework to Characterize Compensatory and Noncompensatory Decision Making Strategies [View Paper]
  Author: Kirlik, Alex; Rothrock, Ling; Yin, Jing
  Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
  Keywords: Decision-making models; Genetics-based Policy Capturing; Lens Model; Noncompensatory decision-making; Simulation
  Country: United States of America

138. Utility of Haptic Data in Recognition of User State [View Paper]
  Author: Jin, Seung-A; Jung, Younbo; McLaughlin, Margaret; Park, Namkee; Zhu, Weirong
  Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
  Keywords: Facial expression; Frustration; Haptic data; Psychophysiological measures; Users' emotional states
  Country: United States of America

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  Author: Carruth, Daniel; Duffy, Vincent G.; Kang, Jihun; Rowland, Zach; Tian, Renran; Wu, Tinghao
  Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
  Keywords: Digital Human Modeling; Motion capture; Validation; Virtual Build; Work Related Musculoskeletal Disorders
  Country: United States of America

140. Virtual Design Optimization Tool for Improved Human-Machine Interaction [View Paper]
  Author: Du, Christy Jinyan; Duffy, Vincent G.; Eksioglu, Burak; Jin, Mingzhou; Kang, Jihun; Yu, Qiuli
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  Keywords: Design optimization; Human Factors Engineering; Lift assist device; Virtual interactive design; Workstation design
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141. Virtual Learning Environments Through Design Principles: What the Experiments Reveal
  [View Paper]
  Author: Hammond, Nick; Parizotto-Ribeiro, Rosamelia
  Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
  Keywords: Aesthetics; Design principles; Empirical studies; Usability; Virtual Learning Environment
  Country: United Kingdom

142. Virtual Simulation Sickness and Neural Expectation [View Paper]
  Author: Howarth, P.A.
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  Keywords: Image; Nausea; Vection; Vestibular; Vision
  Country: United Kingdom

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  Author: Miyadera, Youzou; Nakamura, Shoichi; Suzuki, Keisuke; Yokoyama, Setsuo
  Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
  Keywords: Data-flow analysis; Module division; Programming education; Programming style; Visualization of program modularization
  Country: Japan

144. A Voice Activity Detection Using Driver's Lip Image for Bi-modal Speech Recognition System in Automobile [View Paper]
    Author: Noguchi, Yoshihiro; Shimada, Keiji
    Volume: Volume 6 - Human Factors Issues in Human-Computer Interaction
    Keywords: Bi-modal Speech Recognition; HMM; Lip image; SVM; Voice Activity Detection
    Country: Japan

145. Web-based Multimodal Presentation by a Two-legged Humanoid Robot [View Paper]
    Author: Dohi, Hiroshi; Ishizuka, Mitsuru
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5. Adaptive Personalization for Mobile Content Delivery [View Paper]
    Author: Billsus, Daniel; Klefstad, Raymond; Pazzani, Michael J.
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    Country: United States of America

6. An Agent Framework for the Development of Psychophysiologically Interactive Systems
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    Author: Surakka, Veikko; Vanhala, Toni
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Biosignal processing; Multimodal user interfaces; Physiological computing; Software agents; Software framework
    Country: Finland

7. Ambient Intelligence and Disability: The Technological Perspective [View Paper]
    Author: Burzagli, L.; Emiliani, Pier-Luigi; Graziani, P.
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Ambient intelligence; Assistive Technology; Design for all; Disability; Natural interaction
    Country: Italy

8. Ambient Intelligence and Disability: The User Perspective [View Paper]
   Author: Soede, Matthijs
   Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
   Keywords: Ambient intelligence; Disability; Life functions
   Country: Netherlands

9. Ambient Multimodality: An Asset for Developing Universal Access to the Information Society [View Paper]
   Author: Carbonell, Noelle
   Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
   Keywords: Ambient intelligence; Context awareness; Multimodal interaction; Ubiquitous Computing; Universal Access
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10. The Applicability of Behavioural Measures in Face-to Virtual-Face Communication for Elderly [View Paper]
    Author: Bondareva, Y.; Bouwhuis, D.G.; Meesters, L.M.J.
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    Keywords: Adaptivity; Behavioral measures; Eye contact; Social presence; Videoconferencing
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11. An Application Framework for the Presentation of Tactile Documents [View Paper]
    Author: Jurgensen, Helmut; Power, Christopher
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Device independent format; Multimodal documents; Pin display, refreshable; Refreshable pin display; Software architecture; Visually impaired users
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12. Assessment of the Usefulness and Importance of ADAS' Safety Related Functions for Elderly Drivers [View Paper]
    Author: Bekiaris, Evangelos; Hagenmeyer, Lorenz; Palma, Francesco; Panou, Maria
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Advanced Driver Assistance Systems; Aging; Driving simulation; Traffic safety; Virtual Reality
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13. Automatic Student Personalization in Preferred Learning Categories [View Paper]
    Author: Capuano, Nicola; Gaeta, Matteo; Micarelli, Alessandro; Sangineto, Enver
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    Keywords: Course customization, automatic; Learning categories; Learning preferences; Student assessment; Student modeling
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14. Basic Study of a Communication Device for the Deaf-Blind by Use of a Subject's Finger and Palm - Development of a Tactile Displaying Method [View Paper]
    Author: Horio, Hiroshi; Wada, Chikamune
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Assistive device; Communication; Deaf-blind users; Tactile stimulation
    Country: Japan

15. Can we Rationalize the Design and Construction of Air Traffic Management Systems? [View Paper]
    Author: Bastide, Remi; Galindo, Michel; Lacaze, Xavier; Navarre, David; Palanque, Philippe
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    Keywords: Air Traffic Control; Argumentation; Design methods; Design rationale; Notation

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16. Chord Input Arrangement for the Mobile Computer [View Paper]
    Author: Chen, Chien-Hsu; Hung, Hsiang-Yin; Wu, Fong-Gong
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    Keywords: Chord keyboard; Mobile computer; Pointing device
    Country: Taiwan

17. Cognitive Work Analysis Based on Methodology for Work Systems [View Paper]
    Author: Mori, Ryota; Yamaoka, Toshiki
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Cognitive Work Analysis; Ergonomics; System design; Universal design; Work system
    Country: Japan

18. Combining Text Mining and Information Retrieval Techniques for Enhanced Access to Statistical Data on the Web [View Paper]
    Author: Rajman, Martin; Vesely, Martin
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Information access; Information retrieval; Navigation; Text mining
    Country: Switzerland

19. Comparative Handset Usability: Mobile Media Download and Installation [View Paper]
    Author: Weiss, Scott
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    Keywords: Download; Handset usability; Mobile media; Quantitative analysis
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20. A Component-Based Approach to Support End-User Development [View Paper]
    Author: Piccinno, Antonio
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Component-based development; End-user development; Visual interactive system; Visual programming environments
    Country: Italy

21. Component-Based Development of a Thai-to-Braille Translation Program [View Paper]
    Author: Lalitrojwong, Pattarachai
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Blind users; Braille transcription; Component-based development; Disability; Vision
    Country: Thailand

22. Computer Games that Work for Visually Impaired Children [View Paper]
    Author: Archambault, Dominique; Olivier, Damien; Svensson, Harry
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    Keywords: Cross modal equivalence; Design for all; Multimedia games; Multimodality; Vision
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23. Conceptual Navigation for Virtual Environments in Medical Training [View Paper]
    Author: Kommers, Piet
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    Keywords: Conceptual navigation; Medical training; Virtual Environments; Virtual Reality
    Country: Netherlands

24. Cross-Cultural Factors of Physical-Shopping and eShopping [View Paper]
    Author: Curzon, Paul; Duncker, Elke; Jagne, Jainaba; Smith-Atakan, A. Serengul G.
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Culture; eShopping; Metaphors; Shopping
    Country: United Kingdom

25. Cultural Considerations in Interactive System Design [View Paper]
    Author: Morgan, Konrad; Morgan, Madeleine
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Culture; eLearning; Instructional technology; International differences; User interface design
    Country: Norway

26. DAMA: A Proactive Service Broker in Support of Nomadic Users [View Paper]
    Author: Andreadis, Alessandro; Fedele, Pasquale
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    Keywords: Adaptive interaction; Ontology; Peer-to-peer; Personalization; Universal access, architecture for
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27. Datamining of Universal Access Log by Using In-Situ Ergonomics Method [View Paper]
    Author: Shinya, Atsushi; Yamaoka, Toshiki
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    Keywords: Data mining; Ergonomics; Evaluation; Infrared remote controller; Usability
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28. Deciding Layers: Adaptive Composition of Layers in a Multi-Layer User Interface [View Paper]
    Author: Clark, Bryan; Matthews, Jeanna
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    Keywords: Adaptive user interfaces; Blog-editor; Multi-layer user interface
    Country: United States of America

29. A Decision-Making Specification Language for Automatic Interface Adaptation [View Paper]
    Author: Antona, Margherita; Savidis, Anthony; Stephanidis, Constantine
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    Keywords: Adaptation-oriented decision making; Dynamic software assembly; Programming languages; Unified User Interfaces; User Interface adaptation
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30. Design of a Hypermedia Case Study to Enhance Student Learning [View Paper]
    Author: Foster, Jonathan; Lin, Angela
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    Keywords: Adaptive hypermedia; Deep Learning; Higher Education; Hypermedia; Learning; Learning strategies
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31. Design of a Multi-Modal for Effective Screen Cursor Movements [View Paper]
    Author: Choi, WooSik; Han, JiHyea; Kim, SungWoo; Song, ChangGeun
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    Keywords: Cursor movement; Interactive Television; Multimodal interaction; Remote control; Voice recognition
    Country: Korea

32. Designing E-Books for Commuters: An Application of Universal Design [View Paper]
    Author: Fan, Chen-Hao; Kang, Yen-Yu; Lin, RungTai; Wen, Shao-Yen
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    Keywords: Commuter; Digital reading; eBooks; Product design; Universal design
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33. Designing Mona: User Interactions with Multimodal Mobile Applications [View Paper]
    Author: Anegg, Hermann; Baillie, Lynne; Gassner, Alexander; Niklfeld, Georg; Schatz, Raimund; Simon, Rainer; Wegscheider, Florian
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Application design; Mobile application; Mobile games; Multimodality; User-centered design
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34. Designing Usable and Accessible Public Information Systems [View Paper]
    Author: Barrett, Julie; Booy, Darren; Caffrey, Aiden; Cook, Geoff; Foyle, Mark; McCrindle, Rachel
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Accessibility; Design; Haptics; Inclusive design; Motion observation; Public information systems
    Country: United Kingdom

35. Developing Multi-modal Interfaces for Visually Impaired People to Access the Internet
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    Author: Kuber, Ravi; McAllister, Graham; Murphy, Emma; Strain, Philip; Yu, Wai
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    Keywords: Accessibility; Assistive Technology; Auditory interfaces; Haptic user interfaces; Navigation; Web browser plug-in
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    Author: Grammenos, Dimitrios; Savidis, Anthony; Stephanidis, Constantine
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    Keywords: Artificial life; Computer games; Intelligent agents; Interaction design; Virtual sensors
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37. Development Techniques for Creating Universally Accessible Games [View Paper]
    Author: Asher, Dennis
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38. A Diner's Guide to Evaluating a Framework for Ubiquitous Computing Applications [View Paper]
    Author: Scholtz, Jean; Theofanos, Mary
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    Keywords: Case study; Evaluation framework; Metrics and Measures; Ubiquitous Computing; Usability
    Country: United States of America

39. Direction-Indicating, Traction Manipulator to Support Mental Image Creation of Line Drawings
    [View Paper]
    Author: Kato, Norihiko; Matsui, Hirokazu; Nomura, Yoshihiko; Omoto, Maki; Sugiura, Tokuhiro
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Blind users; Kinesthetic sense; Line Drawings; Manipulator; Mental image
    Country: Japan

40. Driving Emotions: The Design of a Car Navigation System for Anxious People [View Paper]
    Author: Bettini, Francesca; Guidi, Stefano; Parlangeli, Oronzo
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Anxiety; Driving; Emotions; Human-centered design; Satellite navigator
    Country: Italy

41. Dynamic Deployment of Remote Graphical Toolkits over Bluetooth from Wearable Devices
    [View Paper]
    Author: Savidis, Anthony; Stephanidis, Constantine
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Ambient intelligence, inclusive ; Ambient interaction; Collaborative user interfaces; Graphical toolkits; Inclusive ambient intelligence; Wearable systems
    Country: Greece

42. The Effect of Cultural Differences on the Efficiency of Searches on a University Website
    [View Paper]
    Author: Blignaut, Pieter; McDonald, Theo
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Culture; Efficiency of searching; Usage patterns
    Country: South Africa

43. Effective Master-Client Closed Caption Editing System for Wide Range Workforces [View Paper]
    Author: Miyamoto, Kohtaroh (Cole)
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Accessibility; Captioning; Diversity; Starvation; Workforce
    Country: Japan

44. Emerging Research Methods for Universal Access [View Paper]
    Author: Adams, Ray; Smith-Atakan, A. Serengul G.
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Survey; Universal access, research methods
    Country: United Kingdom

45. Enabling Accessibility and Enhancing Web Experience: Ordering Search Results According to User Needs [View Paper]
    Author: Good, Alice; Jerrams-Smith, Jenny; Stevens, Brett
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Accessibility; Disability; Disabled users; Online searching; Web experience
    Country: United Kingdom

46. Enabling Non-Verbal People with Quadriplegia to Interact Through the Internet Using Only Eye and Head Movement [View Paper]
    Author: DiMattia, Philip A.; Gips, James; Tai, Sharif
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Assistive Technology; Eye movement; Internet; Quadriplegia; Universal Access
    Country: United States of America

47. Evaluating a System for Enhanced Access to Statistical Data on the Web: The StatSearch Evaluation Experiments [View Paper]
    Author: Boynton, Ing-Mari; Fridlund, Bert; Fyhrlund, Alf; Lundquist, Peter; Rajman, Martin; Sundgren, Bo; Thelander, Helge; Vesely, Martin; Wanerskar, Martin
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Evaluation; Evaluation experiments; Information access; On-site usability testing; Prototype evaluation; Statistical data; User-based evaluation
    Country: Sweden; Switzerland

48. Evaluating Choice in Universal Access [View Paper]
    Author: Adams, Ray; Prior, Stephen D.; White, A.S.
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Dimensional analysis; Evaluation; Universal access, research methods
    Country: United Kingdom

49. Even Better Than Reality: The Development of a 3-D Online Store that Adapts to Every User and Every Platform [View Paper]
    Author: Garcia, Arturo S.; Lopez-Jaquero, Victor; Molina, Jose P.; Robles, Antonio
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: 3D Graphics; Adaptation; eCommerce; Virtual world
    Country: Spain

50. Evolutionary Feature Detection in Interactive Biofeedback Interfaces [View Paper]
    Author: Dontschewa, Miglena; Kempter, Guido; Ritter, Walter
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Analogous communication; Genetic algorithms; Interface encoding; Psychophysiological activation
    Country: Austria

51. Eye Movement of Older Web-Users [View Paper]
    Author: Fukuda, Ryoko
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Elderly users; Eye movement; Eye tracking; Visual scan; World Wide Web
    Country: Japan

52. Fly Where You Look: Enhancing Gaze Based Interaction in 3D Environments [View Paper]
    Author: Bates, Richard; Donegan, Mick; Istance, Howell; Oosthuizen, Lisa
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: 3D interaction; Assistive Technology; Eye gaze; Eye pointing; Virtual Environments
    Country: United Kingdom

53. Forms of Necropolises in the Era of Computers [View Paper]
    Author: Charytonowicz, Jerzy; Lewandowski, Tomasz
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Cemetery; Cyber necropolis; Cyberspace; Form of burial; Necropolis
    Country: Poland

54. A Framework for Realizing Multi-Modal VR and AR User Interfaces [View Paper]
    Author: Broll, Wolfgang; Linder, Axel; Lindt, Irma; Ohlenburg, Jan
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Augmented reality; Interaction prototyping; Multimodal user interfaces; User interface modeling languages; Virtual Reality
    Country: Germany

55. From Gaze Control to Attentive Interfaces [View Paper]
    Author: Hyrskykari, Aulikki; Majaranta, Paivi; Raiha, Kari-Jouko
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Attentive user interfaces; Eye tracking; Gaze aware applications; Gaze input; Non-verbal communication
    Country: Finland

56. From Scenarios to Behaviour Model for Mobile Collaborative Systems [View Paper]
    Author: David, Bertrand T.; Delotte, Olivier
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Architecture, model driven; Behavior model; Computer Supported Cooperative Work; Context of use; Model driven architecture; Scenarios
    Country: France

57. Game Not Over: Accessibility Issues in Video Games [View Paper]
    Author: Bierre, Kevin; Chetwynd, Jonathan; Ellis, Barrie; Hinn, D. Michelle; Ludi, Stephanie; Westin, Thomas
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Accessibility; Case study; Design; Videogames
    Country: United States of America

58. A Generic Personalization Tool based on a Multi-agent Architecture [View Paper]
    Author: Abed, Mourad; Anli, Abdouroihamane; Strugeon, Emmanuelle Grislin-Le
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Multi-agent architecture; Personalization; Software agents; Transport
    Country: France

59. Gesture Keyboard - User Centered Design of a Unique Input Device for Indic Scripts [View Paper]
    Author: Ajmera, Rahul; Halarnkar, Sandesh; Krishna, Ashish; Pandit, Prashant
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Assistive Technology; Gesture keyboard; Input device; Keypad layout; Motor disabilities; Mouse emulation;
    Non-verbal acoustic input; Pointing device; Text entry, Devnagari; User-centered design
    Country: India

60. Guidelines for Tactile Figures and Maps [View Paper]
    Author: Fukuda, Tadahiko; Kwok, Misa Grace
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Blind users; Guidelines; Haptics; Tactile figures; Tactile map
    Country: Japan

61. Handheld Assistive Technology in Museums: The Evolution of the Digital Guide [View Paper]
    Author: Martin, Jennifer L.
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Handheld device; Interaction design; Mobile devices; Museum
    Country: United States of America

62. HCI for Collaborative Systems and Towards a Self-Explanatory Environment [View Paper]
    Author: Bauer, Wilhelm; Bekiaris, Evangelos; Panou, Maria; Widlroither, Harald
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Driver cohorts; In-vehicle information system, evaluation; Information system, in-vehicle; Infrastructure-based
    system; Personalized system
    Country: Germany; Greece

63. HCI in Driver Training: From Novice to Elderly Drivers [View Paper]
    Author: Bekiaris, Evangelos; Panou, Maria
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Driver cohorts; Driving assessment; Driving simulation; Multimedia tool; Neuropsychological test
    Country: Greece

64. The ICARE Component-Based Approach for Multimodal Input Interaction: Application to Real-Time
    Military Aircraft Cockpits [View Paper]
    Author: Bouchet, Jullien; Ganille, Thierry; Nigay, Laurence
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Cockpit; Development platform; Flight simulator; Military systems; Multimodal user interfaces
    Country: France

65. IKnowU: A Framework to Generate Multiple Abstract User Interfaces [View Paper]
    Author: Furtado, Elizabeth; Furtado, Vasco; Sousa, Kenia
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments

Keywords: Abstract user interfaces; Conceptual model; Knowledge-based system; Usability patterns; User interface description language
Country: Brazil

66. An Improved Representation for Content-Based Television Personalization [View Paper]
    Author: Brunk, Clifford A.; Pazzani, Michael J.
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Content-based systems; Personalization; Rating prediction; Recommendations; Users' interests
    Country: United States of America

67. Improving Access to Digital Broadcasting for Visually Impaired Users [View Paper]
    Author: Ito, Takayuki; Kondo, Satoru; Matsumura, Kinji; Sakai, Tadahiro
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Accessibility evaluation; Digital broadcasting; Graphical User Interface (GUI); Tactile interface; Visually impaired users
    Country: Japan

68. Increasing Usability of Search Engine Interfaces for the Blind [View Paper]
    Author: Andronico, Patrizia; Buzzi, Marina; Leporini, Barbara
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Accessibility; Search engine; Usability; User interface; Visually impaired users
    Country: Italy

69. Interacting by Meaningful Actions [View Paper]
    Author: Caporali, Maurizio; Rizzo, Antonio; Rubegni, Elisa
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Interaction design; Museum; Post-wimp interface; Radio Frequency Identification; Ubiquitous Computing
    Country: Italy

70. The INTUITION Design Process: Structuring Military Multimodal Interactive Cockpits Design According to the MVC Design Pattern [View Paper]
    Author: Bastide, Remi; Bazalgette, Didier; Bellik, Yacine; Nigay, Laurence; Nouvel, Christian
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Cockpits; Design process; Military systems; Model View Controler; Platform
    Country: France

71. Investigation of the CRM System in an Enterprise [View Paper]
    Author: Gorska, Ewa; Lewandowski, Jerzy
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Computer system; Customer relationship management; Database; Information system; Working process
    Country: Poland

72. Is It Better to Gaze and Frown or Gaze and Smile When Controlling User Interfaces? [View Paper]
    Author: Illi, Marko; Isokoski, Poika; Salminen, Katri; Surakka, Veikko
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Bioelectric user interfaces; Electromyography; Eye tracking; Facial electromyography; Gaze interaction; Multimodality
    Country: Finland

73. "Just Follow Me" - Examining the Use of a Multimodal Mobile Device in Natural Settings [View Paper]
    Author: Calvet, Guillaume; Kahn, Julien; Relieu, Marc; Salembier, Pascal; Zouinar, Moustapha
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Context; Mobile recording; Mobility; Multimodality; Naturalistic study of usability

Country: France

74. Keyboard Interaction with a Process Flow Diagram [View Paper]
   Author: Barlow, Todd
   Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
   Keywords: Accessibility; Diagram; Focus; Highlight; Keyboard
   Country: United States of America

75. Learning to Type Japanese Text by Gaze Interaction in Six Hours [View Paper]
   Author: Aoki, Hirotaka; Hansen, John Paulin; Itoh, Kenji
   Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
   Keywords: Assistive Technology; Error analysis; Gaze interaction; Learning effect; Typing
   Country: Denmark; Japan

76. Lets Vote: A Multimodal Electronic Voting System [View Paper]
   Author: Cross, E. Vincent, II; Gilbert, Juan E.
   Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
   Keywords: Disability; Electronic voting; Modality - independent interaction; Multimodal user interfaces; Security; Voting, electronic
   Country: United States of America

77. Low Cost VR for Participatory Design of Workstations [View Paper]
   Author: van Rhijn, J.W.; Vink, Peter
   Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
   Keywords: Assembly operations; Envision technique; Participatory approach; Virtual Reality; Work station design
   Country: Netherlands

78. Mainstreaming Gaze Interaction Towards a Mass Market for the Benefit of All [View Paper]
   Author: Elevesjo, John; Hansen, Dan Witzner; Hansen, John Paulin; Johansen, Anders S.
   Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
   Keywords: Assistive Technology; Eye tracking; Gaze interaction; Market analysis; Mobile displays
   Country: Denmark; Sweden

79. A Methodology for Evaluating the Personalization Conceptual Schema of a Web Application [View Paper]
   Author: Sakkopoulos, Evangelos; Simakessis, Spiros; Tsakalidis, Athanasios; Tzimas, Giannis
   Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
   Keywords: Evaluation methodology; Model clones; Personalization; Web applications; Web modeling
   Country: Greece

80. Minimally Invasive Physiological Sensing for Human-Aware Interfaces [View Paper]
   Author: Pentland, Alex "Sandy"; Sung, Michael
   Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
   Keywords: Human-aware interface; Long-term monitoring; Minimally invasive sensing; Physiological sensors; Proactive healthcare; Sensing, minimally invasive
   Country: United States of America

81. Mining User Preferred Navigation Patterns: Toward Personalized Learning [View Paper]
   Author: Chen, Sherry Y.; Liu, Xiaohui; Minetou, Christine G.
   Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
   Keywords: Data mining; Human Factors; Navigation patterns; Prior knowledge; Web-based learning
   Country: United Kingdom

82. Mobile and Desk Integrated Virtual Reality [View Paper]
     Author: Dangelmaier, Manfred; Hoffmann, Hilko; Stefani, Oliver
     Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
     Keywords: Configuration; Desktop workplace; Ergonomics; Virtual Reality; Workstation
     Country: Germany; Switzerland

83. Mobile User Interfaces in Support of the Education of Children with Special Needs [View Paper]
     Author: Alepis, Eythimios; Virvou, Maria
     Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
     Keywords: Children with disabilities; Mobile learning; Mobile user interfaces; Multimodal interaction; Student modeling
     Country: Greece

84. A Model of Cursor Movement for Multiple Haptic Targets [View Paper]
     Author: Clarkson, John; Hwang, Faustina; Keates, Simeon; Langdon, Patrick
     Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
     Keywords: Cursor; Haptics; Motor impairments; Performance; Submovement
     Country: United Kingdom; United States of America

85. A Multimodal Immersive Solid Modeler with Reactive Objects [View Paper]
     Author: Bourdot, Patrick; Convard, Thomas
     Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
     Keywords: Computer - Aided Design; Multimodality; Reactive objects; Solid modeling; Virtual Environments
     Country: France

86. Multimodal Output Simulation Platform for Real-Time Military Systems [View Paper]
     Author: Bazalgette, Didier; Bellik, Yacine; Rousseau, Cyril; Vernier, Frederic
     Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
     Keywords: Cockpit; Contextual information; Military systems; Multimodal output; Multimodal user interfaces
     Country: France

87. Multiple Low-Cost Cameras for Effective Head and Gaze Tracking [View Paper]
     Author: Corno, Fulvio; Garbo, Alessandro
     Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
     Keywords: Disability; Gaze interaction; Gaze tracking; Head tracking
     Country: Italy

88. New Accessibility Model for Microsoft Windows [View Paper]
     Author: Haverty, Rob
     Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
     Keywords: Assistive Technology; Longhorn; Microsoft® Windows®; Microsoft® Windows® User Interface (UI) Automation; Programmatic access
     Country: United States of America

89. New Service Design Method Focused on Users' Communication Environments and Its Application to Welfare Service Design [View Paper]
     Author: Itoh, Yoshihiro; Miyajima, Asami; Watanabe, Takumi
     Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
     Keywords: Communication environment; Communication service; Field test; Human-centered design; Service design method
     Country: Japan

90. Non-Verbal Acoustic Control of Mouse Cursor (U^{3}I): A Usability Study with the Elderly [View Paper]
     Author: Kurniawan, Sri Hastuti; Mahud, Murni; Slavik, Pavel; Sporka, Adam J.

Volume: [Volume 7 - Universal Access in HCI: Exploring New Interaction Environments](#)
Keywords: [Assistive Technology](#); [Motor disabilities](#); [Mouse emulation](#); [Non-verbal acoustic input](#); [Pointing device](#)
Country: [Czech Republic](#); [United Kingdom](#)

91. Ontology-Based Content Adaptation of Local Information for Tourists [[View Paper](#)]
Author: [Fostieri, Maria](#); [Pieper, Michael](#); [Spitadakis, Vassilis](#)
Volume: [Volume 7 - Universal Access in HCI: Exploring New Interaction Environments](#)
Keywords: [Collaborative filtering](#); [Ontology](#); [Personalization](#); [Services for tourists](#); [Stereotypes](#)
Country: [Germany](#); [Greece](#)

92. Optimized HCI Representation for Multimodal Infomobility Services Within IM@GINE IT [[View Paper](#)]
Author: [Mizaras, Vasilis](#); [Pretsch, Thomas](#); [Raimondi, Monica](#); [Weiber, Jurgen](#); [Zoccarato, Valter](#)
Volume: [Volume 7 - Universal Access in HCI: Exploring New Interaction Environments](#)
Keywords: [Adaptive human-machine interface](#); [Device independent graphical user interface](#); [eXtended Markup Language](#); [Graphical User Interface, device independent](#); [Mobile devices](#); [User profiles](#)
Country: [Germany](#); [Greece](#); [Italy](#)

93. Optimizing Predictive Text Entry for Short Message Service on Mobile Phones [[View Paper](#)]
Author: [How, Yijue](#); [Kan, Min-Yen](#)
Volume: [Volume 7 - Universal Access in HCI: Exploring New Interaction Environments](#)
Keywords: [Genetic algorithms](#); [Mobile keypad](#); [Predictive text input](#); [Short message service](#); [Standard corpora](#); [Text input, predictive](#)
Country: [Singapore](#)

94. Personalised Tiling Paradigm for Motor Impaired Users [[View Paper](#)]
Author: [Gnanayutham, Paul](#)
Volume: [Volume 7 - Universal Access in HCI: Exploring New Interaction Environments](#)
Keywords: [Cyber link](#); [Evaluation, formative](#); [Evaluation, summative](#); [Formative evaluation](#); [Motor impaired users](#); [Personalization](#); [Summative evaluation](#)
Country: [United Kingdom](#)

95. Personalization Through Inferring User Navigation Maps from Web Log Files [[View Paper](#)]
Author: [Botella, Federico](#); [Fernandez-Caballero, Antonio](#); [Gonzalez, Pascual](#); [Lazcorreta, Enrique](#)
Volume: [Volume 7 - Universal Access in HCI: Exploring New Interaction Environments](#)
Keywords: [Navigational maps](#); [Personalization](#); [Usability](#); [Web log](#); [Web usage mining](#)
Country: [Spain](#)

96. Personalized Learning in Web-Based Intelligent Educational Systems: Technologies and Techniques [[View Paper](#)]
Author: [Garofalakis, John](#); [Hatzilygeroudis, Ioannis](#); [Prentzas, Jim](#)
Volume: [Volume 7 - Universal Access in HCI: Exploring New Interaction Environments](#)
Keywords: [Adaptive hypermedia](#); [eLearning, intelligent](#); [Intelligent eLearning](#); [Intelligent tutoring](#); [Knowledge representation](#); [Web-based education, intelligent](#)
Country: [Greece](#)

97. A Pervasive Game with a Dynamically Distributed and Configurable User Interface [[View Paper](#)]
Author: [Georgalis, Yannis](#); [Savidis, Anthony](#); [Stephanidis, Constantine](#)
Volume: [Volume 7 - Universal Access in HCI: Exploring New Interaction Environments](#)
Keywords: [Ambient intelligence](#); [Distributed User Interfaces](#); [Pervasive computer games](#); [Ubiquitous Computing](#); [Wearable systems](#)
Country: [Greece](#)

98. Physiological Measures in Virtual Environments [[View Paper](#)]

Author: Antony, Anuja; Meehan, Michael
Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
Keywords: Experimental design; Heart rate; Physiological measures; Presence; Virtual Environments
Country: United States of America

99. Picture Health: Using Personal Photo Diaries to Improve Diabetes Self-Management [View Paper]
Author: Albayrak, Meltem; Frost, Jeana; Smith, Brian K.
Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
Keywords: Chronic disease management; Health education; Imagery as data; Reflection; Visual Systems
Country: United States of America

100. Pointing Gesture-Based Interaction for Museum Exhibits [View Paper]
Author: Dahne, Patrick; Malerczyk, Cornelius; Schnaider, Michael
Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
Keywords: Arts and cultural heritage; Computer vision; Image processing; Pointing gesture; Video based interaction
Country: Germany

101. Practical 10 Universal Design Guidelines [View Paper]
Author: Yamaoka, Toshiki
Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
Keywords: Cluster analysis; Correspondence analysis; Guidelines; Universal design; User characteristics
Country: Japan

102. Practice of Universal Design for a Front-Loading Washing Machine Based on the Human Centered Design Processes [View Paper]
Author: Ikemoto, Hiroyuki; Tomioka, Kei; Wakizaka, Yoshinori
Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
Keywords: Human-centered design; Universal design; Usability; User requirements
Country: Japan

103. Rapid Prototyping Methods to Develop Applications for Seniors [View Paper]
Author: Ryu, Young Sam; Smith-Jackson, Tonya L.; Williges, Robert C.
Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
Keywords: Iterative design; Older adults; Prototyping; Senior users; Software
Country: United States of America

104. Real-time Navigation Recommendations: Integrating N-gram based Pattern Extraction and Site Content [View Paper]
Author: Oikonopoulou, Diamanto; Rigou, Maria; Sirmakessis, Spiros; Tsakalidis, Athanasios
Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
Keywords: Markov Model; N-grams; Semantics; User behavior prediction; Web usage mining
Country: Greece

105. Representing User Information Context with Ontologies [View Paper]
Author: Burke, Robin; Lytinen, Steve; Mobasher, Bamshad; Prabu, Ganesh; Sieg, Ahu
Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
Keywords: Contextual information retrieval; Intelligent agents; Ontology; Query enhancement; User profiles
Country: United States of America

106. Research Methods for Supporting the Design of Interfaces for Universal Access [View Paper]
Author: Keates, Simeon
Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
Keywords: Assistive Technology; Universal Access; User interface design
Country: United States of America

107. Research Methods for Universal Access Technology [View Paper]
    Author: Adams, Ray; Smith-Atakan, A. Serengul G.
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Cognitive models; Heuristics; Taxonomies
    Country: United Kingdom

108. Scenarios in Ubiquitous Computing System Design: User-Driven vs. Technology-Driven Usages [View Paper]
    Author: Ikonen, Veikko
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Human-centered design; Product development; Scenario-based design; Technology-driven design; Ubiquitous Computing
    Country: Finland

109. Segmentation of Object-based Video of Gaze Communication [View Paper]
    Author: Aghito, S.M.; Ersboll, Bjarne Kjaer; Forchhammer, S.; Stegmann, M.B.
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Active appearance modeling; Animation; Gaze communication; Object-based video; Video coding
    Country: Denmark

110. Semantically Enhanced Personalization for the Web [View Paper]
    Author: Degemmis, Marco; Lops, Pasquale; Semeraro, Giovanni
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Content-based filtering; Personalized information access; Semantic personalization; Text categorization; User profiling; WordNet
    Country: Italy

111. Sensing to Support Peace of Mind: An Iterative Design for the Digital Family Portrait [View Paper]
    Author: Mynatt, Elizabeth D.; Rowan, Jim
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Aging; Design; Elderly users; Home environment; Sensing
    Country: United States of America

112. Sharing Up-to-date Accessibility Information Using a Mobile Phone with GPS and a Camera [View Paper]
    Author: Hoshino, Takeshi; Imai, Tomoko; Maruyama, Yukinobu; Sakakibara, Naoki; Sekine, Chika
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Accessibility; Camera; Global Positioning System; Map annotation; Mobile phone
    Country: Japan

113. A Study of Text and Numeric Input Modalities on PDAs [View Paper]
    Author: Acosta, Naomi; Borges, Jose A.; Rodriguez, Nestor J.
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Clinical applications; Input modalities; Mobile devices; Personal digital assistant; Usability
    Country: Puerto Rico

114. A Support Tool for the Design of User Interface Adaptation [View Paper]
    Author: Antona, Margherita; Savidis, Anthony; Stephanidis, Constantine
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Adaptation logic; Adaptation-oriented decision making; Computer-assisted design; Unified user interface design
    Country: Greece

115. Supporting INTUITION Through Formal Specification of the User Interface for Military Aircraft Cockpit [View Paper]
    Author: Barboni, Eric; Bastide, Remi; Bazalgette, Didier; Lacaze, Xavier; Navarre, David; Palanque, Philippe; Schyn, Amelie
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Cockpit; Design process; Formal user interface specification; Military systems; Multimodal interaction; User interface specification, formal
    Country: France

116. Teaching Geometry to Visually Impaired Pupils Using Haptics and Sound [View Paper]
    Author: Petit, Eric; Zijp-Rouzier, Sophie
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Command gestures; Haptics; Learning; Symbols recognition; Visually impaired children
    Country: France

117. Towards Cross-System Personalization [View Paper]
    Author: Mehta, Bhaskar; Niederee, Claudia; Stewart, Avare
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Cross system communication protocol; Cross system personalization; Unified User Modeling; User context
    Country: Germany

118. Towards Emotion Modeling Based on Gaze Dynamics in Generic Interfaces [View Paper]
    Author: Ersboll, Bjarne Kjaer; Hansen, Lars Kai; Leimberg, Denis; Vester-Christensen, Martin
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Active appearance modeling; Emotion modeling; Eye tracking; Gaze; Image analysis
    Country: Denmark

119. Towards Guidelines for the Development of HCI Elements for Drowsy Operators in Transportation and Process Control [View Paper]
    Author: Bekiaris, Evangelos; Hagenmeyer, Lorenz; Widlroither, Harald
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Advanced Driver Assistance Systems; Safety; User interface design; Vigilance; Warning strategy
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120. Towards More Open Academic Societies – Information Accessibility for Research Meetings [View Paper]
    Author: Ando, Akio; Haraikawa, Tomohiro; Inoue, Masayuki; Okamoto, Akira
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Academic community; Braille transcription; Information accessibility; Note taking; Research meetings
    Country: Japan

121. Towards the Mobile Interaction as a Mean to Achieve E-Inclusion [View Paper]
    Author: Arredondo, M.T.; Cabrera, M.F.; Karaseitanidis, Ioannis; Naranjo, J.C.
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Design for all; Disabled users; Independent living; Mobile communication; Ubiquitous access
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122. UA-Chess: A Universally Accessible Board Game [View Paper]
    Author: Grammenos, Dimitrios; Savidis, Anthony; Stephanidis, Constantine
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Adaptable user interfaces; Case study; Computer games; Interaction design; Universal Access
    Country: Greece

123. Universal Access to PDA by Modular I/O Design [View Paper]
    Author: Hong, Sang Hyuk; Jeon, Jae Wook; Lee, Seongil
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    Keywords: Braille display; Personal digital assistant; Tactile output; Universal Access; Voice output
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124. Usability Requirements for Mobile Service Scenarios [View Paper]
    Author: Kronen, Marcus; Terrenghi, Lucia; Valle, Carla
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Context of use; Mobility; Usability requirements; User-centered design
    Country: Germany

125. Usable Personal Information Management Techniques for People with Low Vision [View Paper]
    Author: Brown, Silas; Robinson, Peter
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    Keywords: Information management; Low vision users; Markup; Notes; Word processor
    Country: United Kingdom

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    Author: Haase, Peter; Hotho, Andreas; Schmidt-Thieme, Lars; Sure, York
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Collaborative filtering; Ontology; Ontology evolution; Personalization
    Country: Germany

127. Use of User Interface Sockets to Create Naturally Evolving Intelligent Environments [View Paper]
    Author: Vanderheiden, Gregg C.; Zimmermann, Gottfried
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Disability; Interface sockets; Interoperability; Natural Language; Universal design
    Country: United States of America

128. User-Centered Design Applied to Non Visual Interaction [View Paper]
    Author: Hermet, Alban; Oriola, Bernard; Raynal, Mathieu
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Case study; Non-visual interaction; Pocket PC; User-centered design; Visually impaired users
    Country: France

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    Author: Anastassova, Margarita; Burkhardt, Jean-Marie; Leservot, Arnauld; Megard, Christine
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: Mixed reality; Training; User needs; User-centered design
    Country: France

130. Using AR for Children to Promote Chinese Phonetic Alphabet Learning [View Paper]
    Author: Chen, Chien-Hsu; Su, ChunChin; Wu, Fong-Gong
    Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
    Keywords: ARToolKit; Augmented reality; Children; Chinese Phonetic Alphabet; Learning; Tangible interaction
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131. Using DVD in Diabetes Education [View Paper]
    Author: Lynn, John S.; Quinn, Patrick J.
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    Keywords: Diabetes; DVD; Educational technology; Health education; Health professionals

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132. Using Formal Methods in Safety-Critical Interactive System Design: From Architecture-Based Approaches to Tool-Based Development [View Paper]
Author: Baron, Mickael; Girard, Patrick; Jambon, Francis
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Keywords: Design; Evaluation; Formal methods; Interactive systems; Task models
Country: France

133. Using Pointing Devices: Difficulties Encountered and Strategies Employed [View Paper]
Author: Keates, Simeon; Paradise, Jessica; Trewin, Shari
Volume: Volume 7 - Universal Access in HCI: Exploring New Interaction Environments
Keywords: Input device; Motor impaired users; Mouse; Older adults; Pointing device
Country: United States of America

134. Using Pointing Devices: Quantifying Differences Across User Groups [View Paper]
Author: Keates, Simeon; Paradise, Jessica; Trewin, Shari
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Keywords: Cursor measures; Motor impaired users; Point and click; User models; User study
Country: United States of America

135. Using Psychophysiological Signals in a User-Adaptive Personal Assistant [View Paper]
Author: Brandherm, Boris; Schmitz, Michael; Schultheis, Holger; Schwartz, Tim; von Wilamowitz-Moellendorff, Margeritta
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Keywords: Bayesian networks; Biosensors; Mobile devices; Pattern recognition; Psychophysiological data
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136. Virtual Reality Worlds for Real Time E-Learning Environments [View Paper]
Author: George, Tsarouhas; Nicholas, Harkiolakis; Panos, Chrysanthis
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Keywords: Avatar; eLearning; Greece; Real time
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137. A Web Clipping Service's Information Extraction Mechanism [View Paper]
Author: Bouras, Christos; Kounenis, Giorgos; Misedakis, Ioannis; Poulopoulos, Vasilis
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Keywords: Information categorization; Information extraction; Search engine; Web clipping; Web mining
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Author: Atkins, David; Green, William; Gyi, Diane; Kalawsky, Roy
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Keywords: Ergonomics; Focus groups; Inclusive design; Smart homes
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Author: Alm, Normal; Iwabuchi, Mamoru; Nakamura, Kenryu
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8. Assessing User Capabilities from Small Scale Samples [View Paper]
   Author: Clarkson, P. John; Langdon, Patrick; Persad, Umesh

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Author: Volkel, Thorsten; Weber, Gerhard; Weimann, Kurt
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Author: Spector, J. Michael
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Author: Dixon, Mark
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Keywords: Animation; Dyslexia; Educational software; Teaching computer programming; User testing
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Author: Sato, Jun; Umemuro, Hiroyuki
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Country: Japan

14. Cognitive Aspects of Public Toilet Design [View Paper]
Author: Bichard, Jo-Anne; Greed, Clara; Hanson, Julienne
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Keywords: Asynchronous learning platform; Courseware design, web-mediated; Instructional design principles; Learning, asynchronous ; Multi-sensory instruction; Vocational rehabilitation
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    Author: Hara, Yuuki; Kashimura, Kaori
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    Author: Chen, Ming Chung; Tsai, Ya Hui; Wu, Ting Fang
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    Author: Feng, Jinjuan; Law, Chris M.; Sears, Andrew
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    Author: Coyne, Kara Pernice
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24. Cost-Justifying Web Accessibility in the Software Development Process [View Paper]
    Author: Allen, Aaron; Lazar, Jonathan
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    Keywords: Assistive Technology; Cost-justification; Return on investment; Universal accessibility; Web accessibility
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Author: Hodjat, Babak; Hodjat, Siamak; Jonsson, Ing-Marie; Treadgold, Nick
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Keywords: Agent architecture; Context reactive; Mobile interface; Natural Language; Personalization
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Author: Dev, Sundeep; Harrison, Chandra; Petrie, Helen
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Keywords: Blind users; Descriptions; Guidelines; Images; Web accessibility
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27. Design of Enhanced Automatic Teller Machine Interface to Suit the Needs of Older Adults
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Author: Chan, Chetwyn C.H.; Chi, Iris; Lee, Tatia M.C.; Wong, Alex W.K.
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Keywords: Automatic Teller Machine; Cognitive and physical decline; Design; Older adults
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Author: Blenkhorn, P.; Evans, D.G.
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Keywords: Dyslexia; Dyspraxia; Off-screen model; Screen reader
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Author: Bennett, Steve; Kraithman, David
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Keywords: Machine translation; Natural Language Processing; Sign Language synthesis; Sign Language, Greek; Virtual
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35. eAccessibility Legislation and Policy: The Role of Standardization [View Paper]
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    Author: Fischer, Susan D.; Kamata, Kazuo; Shionome, Takeaki; Yamamoto, Hideo
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    Keywords: Accessibility; Disabled users; Evaluation; Older adults; Travel booking; Usability
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    Author: Hamnes, K.; Jensen, Mark; Khalayli, N.; Nyhus, S.; Rasmussen, J.K.; Rognskog, H.; Rugelbak, J.
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    Keywords: Asynchronous Digital Subscriber Lines; Broadband access; Emotions; Rapid ethnography; User experience
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    Author: Antona, Margherita; Boutsakis, Evangelos; Mourouzis, Alexandros; Stephanidis, Constantine
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    Keywords: Accessibility; Disabled users; Evaluation framework; System acceptability; User experience
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    Author: Chen, Chun-Di; Chiou, Wen-Ko; Wang, Ming-Hsu
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    Author: Kohler, Thomas
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    Author: Argyropoulos, Vasilios; Kouroupetroglou, Georgios; Spiliotopoulos, Dimitris; Xydas, Gerasimos
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    Keywords: Auditory interfaces; Non-speech audio; Psychoacoustic; Synthetic speech; Table accessibility
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    Author: Adams, Ray; Langdon, Patrick
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    Country: United Kingdom

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    Author: Story, Molly Follette
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    Author: Bocker, Martin; Cremers, Anita H.M.; Mellors, Walter
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    Keywords: Accessibility; Design for all; Telephone; Universal design; User interface design
    Country: Germany; Netherlands; United Kingdom

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    Author: Marshall, Ian; Safar, Eva

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Author: Ficarra, Francisco V. Cipolla
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Author: Asakawa, Chieko; Fukuda, Kentarou; Saito, Shin; Takagi, Hironobu
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Keywords: Assistive Technology; Evaluation tool; Usability for blind users; Visualization; Web accessibility
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Author: Bergel, Marguerite; Chadwick-Dias, Ann; LeDoux, Lori; Tullis, Thomas S.
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Author: Lewis-Brooks, Anthony; Petersson, Eva
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Author: Damper, R.I.; Gladstone, K.
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Keywords: eBusiness; Multilingual natural language interface; Natural language interface, multilingual ; Speech; Universal Access
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Author: Koch, Johannes; Mohamad, Yehya; Stegemann, Dirk; Velasco, Carlos A.
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Keywords: Evaluation tool; Portal; Software framework; Web accessibility; Web standards
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Author: Howell, Mark; Love, Steve; Turner, Mark
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Author: Smyslova, Olga V.; Voiskounsky, Alexander E.
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Keywords: Cyber crime; eLearning; Hackers; Survey
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Author: Hamburg, Ileana; Ionescu, Adina; ten Thij, Herbert
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Author: Kurniawan, Sri Hastuti; Mahmud, Murni
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Author: Kowal, Edward; Miedziarek, Slawomir
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Author: Battle, Lisa; Hoffman, David
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Author: Addelston, Jonathan D.; O'Connell, Theresa A.
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Keywords: Accessibility; Disabled users; Software engineering process; Spiral model; Usability
Country: United States of America

66. Interactive Logbook - A Personal, Mobile Learning Environment [View Paper]
   Author: Chan, Tony; Corlett, Dan; Sharples, Mike; Ting, Jeffrey; Westmancott, Oliver
   Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
   Keywords: ePortfolio; Logbook; Mobile learning; Personal development planning; Personal learning environment
   Country: United Kingdom

67. Interface Design for Older Adults: Findings from the Center for Research and Education on Aging and Technology Enhancement (CREATE) [View Paper]
   Author: Charness, Neil; Czaja, Sara J.; Fisk, Arthur D.; Rogers, Wendy A.; Sharit, Joseph
   Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
   Keywords: Aging; Attitudes; Cognition; Input / output device; Technology
   Country: United States of America

68. An Investigation into the Accessibility of Web-Based Information for People with Dementia [View Paper]
   Author: Savitch, Nada; Zaphiris, Panayiotis
   Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
   Keywords: Alzheimer's disease; Co-operative evaluation; Dementia; Older users; Web accessibility
   Country: United Kingdom

69. ISO/IEC9126–3 Internal Quality Measures: Are They Still Useful? [View Paper]
   Author: Gil, Blanca; Suryn, Witold
   Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
   Keywords: Evaluation; Measures; Software quality; Standards
   Country: Canada

70. Issues in the Categorization of Disabilities for User Testing [View Paper]
   Author: Law, Chris M.; Price, Kathleen J.; Sears, Andrew
   Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
   Keywords: Disability; Functional limitations; Measurement; Universal design; User testing
   Country: United States of America

71. IT for People with Cognitive Disabilities [View Paper]
   Author: Tjader, Claes
   Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
   Keywords: Accessibility; Cognitive disabilities; Design for all; Information Technologies; Swedish Handicap Institute
   Country: Sweden

72. Japanese Web Content Accessibility Guidelines and International Standard Harmonization [View Paper]
   Author: Watanabe, Takayuki
   Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
   Keywords: Accessibility guidelines; Disabled users; International standard; Japan; Older adults; Web Content Accessibility
   Country: Japan

73. Learning Pedagogy in the Field: Social Structures, Interactions, and Mobility [View Paper]
   Author: Divitini, Monica; Haugalokken, Ove; Morken, Eli M.; Petersen, Sobah A.
   Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
   Keywords: Mobile learning; Social structures; Teaching practice; Technology design
   Country: Norway

74. Low Vision Students: Considerations About the Accessibility of Educational Software [View Paper]
   Author: Dini, Silvia; Ferlino, Lucia; Martinoli, Cristina; Ott, Michela
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   Keywords: Educational software; Evaluation; Low vision users; Usability
   Country: Italy

75. Methods for Improving Web Portal Accessibility [View Paper]
   Author: Easton, Bob; King, Matthew
   Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
   Keywords: Accessibility; Personalization; Portal; Usability
   Country: United States of America

76. Multimedia and Languages for Children: Semiosis for Universal Access [View Paper]
   Author: Ficarra, Francisco V. Cipolla
   Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
   Keywords: Children; Evaluation; Languages; Multimedia; Semiosis
   Country: Italy

77. Multimodal Face-to-Face Interction with a Talking Face: Eye Gaze, Mutual Attention and Deixis [View Paper]
   Author: Bailly, G.; Elisei, F.; Raidt, S.
   Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
   Keywords: Card game; Communication, face-to-face; Comparative evaluation; Efficient and robust interaction; Realistic face-to-face communication; Signs, implicit and explicit
   Country: France

78. Multimodal User Interface Design Increasing the Accessibility to Mathematical Information for Blind Students: A Preliminary Study [View Paper]
   Author: Hvannberg, Ebba Thora; Shimomura, Yayoi
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   Keywords: Blind students; Guidelines; Mathematics; Multimodal user interfaces; Screen reader
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79. Natural Multilingual Dialogue with a 3D Conversational Agent Dedicated to Interactive Web and Mobile Applications [View Paper]
   Author: Bretier, Philippe; Breton, Gaspard; Damnati, Geraldine; Moudenc, Thierry; Panaget, Franck; Pele, Danielle
   Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
   Keywords: Conversational agent; Dialogue; Facial animation, real time 3D ; Multilingual natural dialogue; Multimodal behavior; Natural dialogue, multilingual; Tourism application
   Country: France

80. Navigation Design for Mobile Access to Knowledge-Transfer Platforms [View Paper]
   Author: Auinger, Andreas; Stary, Chris
   Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
   Keywords: Consistency; eLearning; Interoperability; Mobile front end; Navigation
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81. New Approach for Web Browsing Accessibility - A Concept of Developing Accessibility Tool [View Paper]
   Author: Kobayashi, Daiji; Takahashi, Yuichi; Yamamoto, Sakae
   Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
   Keywords: Elderly users; Web accessibility; Web accessibility tool

Country: Japan

82. A New Model for Understanding Older Adults as Web Users [View Paper]
Author: Chisnell, Dana; Lee, Amy; Redish, Janice C. (Ginny)
Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
Keywords: Audience segmentation model ; Evaluation, heuristic; Heuristic evaluation; Older adults; Personas; Usability
Country: United States of America

83. Not Browsing, but Drowning: Designing a Web Browser for Novice Older Users [View Paper]
Author: Dickinson, Anna; Gibson, Lorna; Gregor, Peter; McIver, Louise; Milne, Scott; Sloan, David
Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
Keywords: Browser; Design; Elderly users
Country: United Kingdom

84. Older Adults Adopt New Communication Technology [View Paper]
Author: Kaikkonen, Anne; Lahteenmaki, Mia
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Keywords: Cell phone; Communication technology; Older adults; Technology adoption; User generations
Country: Finland

85. On Investigating Quality Models of Learning Object Repositories: Case Studies [View Paper]
Author: Law, Effie Lai-Chong
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Keywords: eLearning; Learning Object Repository; Meta-quality analysis scheme; Quality models; Software Quality Standards
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86. Perceptual Multimedia Quality: Implications of an Empirical Study [View Paper]
Author: Ghinea, G.; Gulliver, S.R.
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Keywords: Integration; Modeling; Multimedia; Perceptual quality; Video
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87. Personalized PDA Accessibility for Intellectually Disabled Persons Concept Guidelines Based on the Development of an Electronic Travel Companion [View Paper]
Author: Cremers, Anita H.M.; Soede, Matthijs; van der Pijl, Dick J.
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Keywords: Accessibility; Guidelines; Intellectual disability; Personal digital assistant; Traveling
Country: Netherlands

88. Practice and Evaluation of Bilingual Deaf Education Using Web-Based Learning System [View Paper]
Author: Arai, Noriko H.; Kawamoto, Kayo
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Keywords: Children, deaf; Deaf children; Deaf users, bilingual education; Evaluation; Sign Language; Web-based learning
Country: Japan

89. Presentation-based Web Accessibility Evaluation System: Design and Implementation Challenges and Trade-offs [View Paper]
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Keywords: Accessibility; Evaluation; Standards; Usability; World Wide Web
Country: United States of America

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    Keywords: Elderly users; Prompt; Ubiquitous Computing
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91. The Quantitative Assessment of Dysarthric Speech for Use in Evidence – Based Speech Therapy
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    Author: Joyce, Malcolm J.; Philpott, Claire; Roberts, Peter E.; Simm, William A.
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    Keywords: Dysarthric speech; Evidence-based practice ; Formant analysis; Quantitative analysis; Speech therapy
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92. The Relationship Between Self-Efficacy and E-learning on Mentally-Handicapped Students
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    Author: Chen, Wen-Zhi; Chiou, Wen-Ko; Wang, Ming-Hsu
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    Keywords: eLearning; Learning satisfaction; Mental disability; Self -efficacy
    Country: People's Republic of China

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    Author: Aikio, Kari-Pekka; Jokela, Timo; Jounila, Ilari
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    Keywords: Customer satisfaction; Usability; Usability factor; User dissatisfaction; User satisfaction
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    Author: Jonsson, Ing-Marie; Zajicek, Mary
    Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
    Keywords: Driving performance; In-car information system; Information system, in-car; Speech interaction; User study; Voice
    Country: United Kingdom; United States of America

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    Author: Oppermann, Reinhard
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    Keywords: Contextualized learning; Learning on demand; Learning, situated ; Mobile learning; Process-oriented learning; Situated learning
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96. Smart Care: The Importance and Challenges of Creating Life Histories for People with Cognitive Disabilities [View Paper]
    Author: Dawe, Melissa; Fischer, Gerhard; Gorman, Andrew; Kintsch, Anja; Konomi, Shin'ichi; Sullivan, James; Taylor, John; Wellems, Greg
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    Keywords: Caregiver; Cognitive disabilities; Context-aware environment; Privacy; Socio-technical design
    Country: United States of America

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    Author: Britton, Carol; Hewitt, Jill; Lyon, Caroline; Mellor, Barry
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Keywords: Captioning; Live performance; Speech recognition; Speech-to-text display; Subtitles
Country: United Kingdom

98. Speech Patterns for Older Adults While Driving [View Paper]
Author: Jones, Christian Martyn; Jonsson, Ing-Marie
Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
Keywords: Driving performance; Emotion aware response; Emotion detection; In-car information system; Information system, in-car; Speech interaction
Country: United Kingdom; United States of America

99. The State of Ergonomic Consciousness of Participants of Didactic Process in Individual Assessment [View Paper]
Author: Musiol, Teresa
Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
Keywords: Didactic process; Ergonomic consciousness ; Individual assessment
Country: Poland

100. Steps Toward Integrating Accessibility into Development of an Internet Option for the 2010 U.S. Census [View Paper]
Author: Murphy, Elizabeth D.
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Keywords: Listening keyboard; Motor impairments; Speech user interfaces; Universal Access; Usability Evaluation
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103. Supporting Authors of Accessible Multimedia eBooks [View Paper]
Author: Szczepaniak, Adam; Weber, Gerhard
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Keywords: Accessibility; Blind users; Deaf users; eBooks; Multimedia
Country: Germany

104. Taking Learner Characteristics Into Consideration: Improving Development and Use of Technology Supported Learning [View Paper]
Author: Newman, Dianna L.
Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
Keywords: Evaluation model; Individualization; Learner characteristics; Learning, technology supported ; Technology supported learning
Country: United States of America

105. Tenuta: Simplified Guidance for Usability and Accessibility [View Paper]
Author: Bevan, Nigel; Claridge, Nigel; Petrie, Helen

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Keywords: eServices; Europe; Guidance; Usability and accessibility, benefits of
Country: Sweden; United Kingdom

106. Testing Accessibility in Mobile Computing [View Paper]
Author: Bertini, Enrico; Billi, M.; Burzagli, L.; Gabbanini, F.; Gabrielli, S.; Graziani, P.; Palchetti, E.
Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
Keywords: Accessibility; Disabled users; Evaluation study; Mobile computing; Usability
Country: Italy

107. A Tool for Enhancing Web Accessibility: Synthetic Speech and Content Restructuring [View Paper]
Author: Raptis, Spyros; Spais, Ilias; Tsiakoulis, Pirros
Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
Keywords: Authoring tool; Browsing tool; Content restructuring; Synthetic speech; Web accessibility
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108. Tools for Living and Tools for Learning [View Paper]
Author: Carmien, Stefan; Fischer, Gerhard
Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
Keywords: Distributed intelligence; Socio-technical environment; Tools for learning; Tools for living; Universal design
Country: United States of America

109. Towards Pervasive and Adaptive Learning Environments [View Paper]
Author: Ahonen, Mikko; Syvanen, Antti; Vainio, Teija
Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
Keywords: Adaptivity; Design; Pervasive computing; Research methodology; User interface
Country: Finland

110. Usability Engineering as a Critical Process in Designing for Accessibility [View Paper]
Author: Hix, Deborah; O'Connell, Theresa A.
Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
Keywords: Accessibility; Disabled users; Software engineering; Usability Engineering; User-centered design
Country: United States of America

111. The Usability of Enlarging Techniques on a Mainstream Cellular Phone by Individuals with Low Vision [View Paper]
Author: Sesto, Mary; Vanderheiden, Gregg C.; Wagner, Jennifer
Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
Keywords: Accessibility, of Telecommunications ; Disability; Low vision; Mobile phone; Telecommunications accessibility
Country: United States of America

112. Usability Study of Web-Based Video Lecturing for People with Special Needs [View Paper]
Author: Debevc, Matjaz; Dugonik, Bogdan; Meyer, Beth; Peljhan, Ziva
Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
Keywords: Deaf and hard of hearing users; Distance education; Hard of hearing users; Multimedia; Sign Language; Usability
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113. The Use of Computers in Rehabilitation [View Paper]
Author: Adams, Ray; Whitney, Gill
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114. User Behaviour in Multimodal Interaction [View Paper]
    Author: Boves, Lou; den Os, Elisabeth
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115. Using Automatic Speech Recognition to Assist Communication and Learning [View Paper]
    Author: Bain, Keith; Wald, Mike
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    Author: Brown, Ash; Foster, Mary Ellen; Oberlander, Jon; White, Michael
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    Keywords: Avatar facial feedback; Evaluation; Facial feedback, of avatars; Multimodal dialogue; Sales agents; Turn-taking
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117. Using Haptic Displays for Workload Reduction and Inclusive Control [View Paper]
    Author: Furner, Stephen; Hameed, Mesar; Langdon, Patrick; Meenowa, Joshan
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    Keywords: Aircraft control; Cognitive workload; Haptics; Tactile display; Vision
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118. Varieties of Interactive Experience in Web-based Education [View Paper]
    Author: Exadaktylos, George; Slattery, Diana
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    Keywords: Attention; Collaboration; Hellas Alive; Virtual communities
    Country: Greece; United States of America

119. The Visualization of On-line Help for Active User Support in an Engaging and Communicative Learning Environment [View Paper]
    Author: Kourbani, Vassiliki; Tolias, Dimitris
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    Keywords: Help system; Interactive learning environment; Visualization; Web-based education
    Country: Greece

120. Visualizing the Accessibility of HTML Tables for Web Page Developers [View Paper]
    Author: Asakawa, Chieko; Fukuda, Kentarou; Miller, Dorian; Takagi, Hironobu
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    Keywords: Accessibility; Blind users; Evaluation tool; Screen reader; Table navigation
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121. Web Usability and Aging: Cognitive Aging and Health Care Information [View Paper]
    Author: Ownby, Raymond L.
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    Keywords: Cognition; Elderly users; Health literacy; Readability; Web usability
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122. Website Engagibility: A Step Beyond Usability [View Paper]
    Author: Fitzpatrick, Ronan; O'Shea, Brendan; Smith, Peter
    Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity

Keywords: Engagibility ; Metric ratio analysis ; Quality, of web sites ; Software Quality Star; Usability; Web site quality
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Author: Burgett, Donna; Burgett, Jeff L.; O'Connell, Theresa A.; Park, Jhonghee; Sebel, Timothy; Silz, Karsten
Volume: Volume 8 - Universal Access in HCI: Exploring New Dimensions of Diversity
Keywords: Internationalization; Localization; Software development process; Software engineering; Usability
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   Author: Draper, Mark; Viirre, Erik
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   Author: Anstey, Josephine
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   Author: Haller, Michael; Stauder, Erwin; Zauner, Juergen
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   Keywords: Augmented reality; Authoring; PDA; Tablet-PC; Visual Programming Tool
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7. Analysis of Flow Phenomena in Virtual Environments – Benefits, Challenges, and Solutions [View Paper]
   Author: Assenmacher, Ingo; Bischof, Christian; Gerndt, Andreas; Hentschel, Bernd; Kuhlen, Torsten; Schirski, Marc; Wolter, Marc
   Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
   Keywords: CFD Post-Processing; Distributed Visualization Framework; Large-Scale Datasets; Parallelization; Virtual Reality
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8. Ancient Technology Works Presentation Using Haptic Interaction and Gesture Recognition
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Author: Malassiotis, S.; Nikolakis, G.; Strintzis, M.G.; Tzovaras, D.
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Keywords: Collision detection; Force feedback; Gesture recognition; Haptics; Virtual Environments
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9. Applying a Model for Virtual Reality Intervention to Stroke Rehabilitation [View Paper]
Author: Josman, Naomi; Katz, Noomi; Kizony, Rachel; Rand, Debbie; Weiss, Patrice L. (Tamar)
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Keywords: International Classification of Functioning, Disability and Health; Motor deficit; Rehabilitation; Stroke; Virtual Reality
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Author: Gracanin, Denis; Ying, Jianghui
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Keywords: Extensible 3D; Formal languages; Petri Nets; User interfaces; Virtual Environments
Country: United States of America

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Author: Fidopiastis, C.; Malone, L.; Mead, A.; Nguyen, L.; Rolland, J.; Williams, K.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Depth perception; Direct manipulation; Haptics; Head-Mounted Projection Display (HMPD); Visual cues
Country: United States of America

12. Artificial Tactile Feel Display for Textile Fabrics [View Paper]
Author: Saiwaki, Naoki; Tadokoro, Satoshi; Taniguchi, Maki; Yoshida, Akinori
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Haptics; ICPF actuator; Tactile feel display; Texture display; Virtual Reality
Country: Japan

13. Assessing the Relationship of Situation Awareness and Subjective Telepresence in a Virtual Landmine Disposal Task [View Paper]
Author: Kaber, David B.; Riley, Jennifer M.
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Keywords: Presence; Situation awareness; Teleoperation; Telepresence; Virtual Reality
Country: United States of America

14. Assessing the Use of Virtual Environments to Train Soldiers [View Paper]
Author: Garrity, Patrick J.; Grosse, James R.; Knerr, Bruce W.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Immersive displays; Infantry training; Military training; Training effectiveness; Wearable computers
Country: United States of America

15. Audio in VR: Beyond Entertainment Setups and Telephones [View Paper]
Author: Ballas, James A.; Brock, Derek
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Attention management; Audio; Self organizing auditory displays; Sonification; Sound objects
Country: United States of America

16. An Augmented Virtuality Environment for 3D Interaction with Volumetric Data [View Paper]
Author: Martens, Jean-Bernard; Qi, Wen
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications

Keywords: Human - Computer Interaction (HCI); Tangible Interface; Usability; Virtual Reality; Volume Visualization
Country: Netherlands

17. Baseline Factors for Raycasting Selection [View Paper]
Author: Bowman, Doug A.; Wingrave, Chadwick A.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: 3D selection; Performance models; Raycasting; Virtual Reality; Visual feedback
Country: United States of America

18. Basic Hand Gesture Recognition for Human-Computer Communication [View Paper]
Author: Borghi, Francesco; Lombardi, Luca; Porta, Marco
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Gesture recognition; Hand gestures; Human - Computer Interaction (HCI); Perceptive interfaces; Vision-based interfaces
Country: Italy

19. billiARds: Augmented Reality System with Wearable Force-Feedback Device [View Paper]
Author: Farahani, Hossein S.; Lee, Jongweon; Ryu, Jeha; Sargaana, Usman; Woo, Woontack
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Augmented reality; Force feedback; Haptics; Interaction; Tangible AR
Country: South Korea

20. Breaks in Presence as Usability Criteria [View Paper]
Author: Brogni, A.; Steed, Anthony; Vinayagamoorthy, V.
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Keywords: Gestalt; Immersive virtual environments; Presence; Usability; Virtual Reality
Country: United Kingdom

21. Can VR Be Useful and Usable in Real-World Contexts? Observations from the Application and Evaluation of VR in Realistic Usage Conditions [View Paper]
Author: Drettakis, George; Roussou, Maria
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Architectural Design; Cultural Heritage; Evaluation; Usability; Virtual Reality
Country: France; United Kingdom

22. Characterizing the Effect of Level of Immersion on a 3D Marking Task [View Paper]
Author: Forsberg, Andrew S.; Kleppe, Alexander; Laidlaw, David H.; Schulze, Jurgen P.; Zeleznik, Robert C.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: 3D interaction; CAVE; Fish tank VR; Immersion; Virtual Reality
Country: United States of America

23. Cognitive Model-Enabled Simulation-Based Training of Aerospace Operations Center Operators [View Paper]
Author: Garcia, Sharon K.; Madni, Azad M.; Madni, Carla C.
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Keywords: C2 Operations; Decision Making Process Training; Outcome-driven Simulation; Scenario-based Training; Time-stressed Decision making
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24. The Cognitive Semiotics of Virtual Reality [View Paper]
Author: Buckland, Warren; McMahan, Alison
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: CAVE; Cognitive semiotics; Film theory; First person interface; Virtual Reality
Country: United States of America

25. Collaborative Virtual Environments for Control of Planetary Exploration Rovers [View Paper]
    Author: Cabrol, Nathalie; Coppin, Peter; Glasgow, Justin; Pudenz, Erin; Thomas, Geb; Wettergreen, David
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Collaborative Virtual Environments; Human-robot interaction; Mars exploration; Planetary robots; Robot interface design
    Country: United States of America

26. Comparison of Augmented Reality and Virtual Reality in the Context of a Hybrid Multimodal Sales Process Supporting System for Traditional City-Centre Shops [View Paper]
    Author: Blum, Rainer; Frank, Wolfgang; Khakzar, Karim
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Augmented reality; Human - Computer Interaction (HCI); Hybrid Shopping Environment; Usability testing; Virtual Reality
    Country: Germany

27. Comparison of the Impression of the Space Between Virtual Environment and Real Environment [View Paper]
    Author: Komatsu, Yoshie; Nakayama, Shin-ichiro; Ohkura, Michiko; Shibata, Takumi; Shimada, Yuki; Watanabe, Yoko
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Projection-type display; Quality of life; Real environment; Space impression; Virtual Environments
    Country: Japan

28. Connected Immersion [View Paper]
    Author: Singh, Gurminder; Zyda, Michael
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Head-Mounted Display; Immersion; Mobile phone; Virtual Reality; VR Communication
    Country: United States of America

29. The Convergence of Computer Games and Virtual Reality: Opportunities for Future Synthetic Environment Training [View Paper]
    Author: Stone, Robert J.
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Avionics Training; Game Based Learning; Helicopter; Naval Weapons; Simulation and Training
    Country: United Kingdom

30. Defining an Audio Production Pipeline for Mixed Reality [View Paper]
    Author: Hughes, Darin E.
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Audio simulation; Audio software; GUI; Multimodal; Sound design
    Country: United States of America

31. The Design of a Performance Simulation System for Virtual Reality [View Paper]
    Author: Bailey, Joseph M.; Gandy, Maribeth; Price, Ed; Robertson, Scott
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: 3D interfaces; Performance; Reactive agents; Toolkit; Virtual Reality
    Country: United States of America

32. Design of a Virtual Borescope: A Presence Study [View Paper]
    Author: Duchowski, Andrew; Gramopadhye, Anand K.; Sadasivan, Sajay; Stringfellow, Paris; Vembar, Deepak
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Presence; Training simulator; Virtual borescope; Virtual Reality; Virtual training
    Country: United States of America

33. The Design of Perceptual Representations for Practical Networked Multimodal Virtual Training Environments [View Paper]
Author: Adcock, Matt; Gunn, Chris; Hutchins, Matthew; Krumpholz, Alexander; Stevenson, Duncan
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Afradervite; Collaborative Virtual Environments; Design of representations; Haptic workbench; Surgical training
Country: Australia

34. Design of the *ImmersiveTouch*TM: A High-Performance Haptic Augmented Virtual Reality System [View Paper]
Author: Banerjee, Pat; Dawe, Greg; Florea, Lucian; Luciano, Cristian
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Augmented reality; Haptics; Open inventor; Virtual Reality; Virtual Reality - haptic device
Country: United States of America

35. Desktop 3-D Interactive Drama – Applying Design Principles from the Performance Arts [View Paper]
Author: El-Nasr, Magy Seif
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Actor-based agents; Attention; Emotional engagement; Interactive drama; Virtual Reality
Country: United States of America

36. Determining the Usefulness of Affordable Haptic Feedback Devices: From Games to Applications Helping the Visually Impaired [View Paper]
Author: Hasu, Matias; Kosonen, Katri; Pakkanen, Toni; Pasto, Virpi; Patomaki, Saija; Raisamo, Jukka; Raisamo, Roope
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Detectability thresholds; Game controllers; Haptic feedback; Multimodal user interfaces; Visually impaired children
Country: Finland

37. Development of a Benchmarking Scenario for Testing 3D User Interface Devices and Interaction Methods [View Paper]
Author: Buckwalter, J. Galen; Hwang, J.; Kim, Gerard J.; Rizzo, Albert A.; Thiebaux, Marcus; Yeh, Shih-Ching
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: 3D user interface; Benchmarking; Interaction method; Mental rotation; Virtual Reality
Country: Korea; United States of America

38. Development of High Presence Immersive Environments with Intuitive Objects Manipulation Using Body Action [View Paper]
Author: Chihara, Kunihiro; Imura, Masataka; Manabe, Yoshitsugu; Sasaki, Hiroshi; Takeda, Tadayuki; Yasumuro, Yoshihiro
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Body interaction; Direct manipulation; Immersive virtual environments; Motion capture system; Pointing direction
Country: Japan

39. Driving Behavior and Capability Study Using Virtual Reality Driving Simulation [View Paper]
Author: Liu, Yingyue; Wang, Ying; Wu, Su; Zhang, Wei
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Distraction; Driving safety; Driving simulation; Verbal communication; Virtual Reality
Country: People's Republic of China

40. Dynamic Shared States Management for Distributed Interactive Virtual Environment [View Paper]
Author: Choi, Yoonchul; Kang, Seulki; Kim, Jinwook; Ko, Heedong; Park, Youndong

Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: CAVE; Dynamic shared states; Graphic Library; PC Clustered VE; Virtual Reality
Country: Korea

41. Dynamic Simulation and Real-Time Interactions with Reconstructed Human Body Organs [View Paper]
Author: Aloisio, Giovanni; Blasi, Euro; de Mauro, Alessandro; de Paolis, Lucio Tommaso
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Collision detection; Medical simulation; Real-time interaction; Soft-tissue modeling; Virtual Reality
Country: Italy

42. EasyHouse-I: A Virtual House Presentation System Based on Internet [View Paper]
Author: Ding, Jianhao; Pan, Zhi-geng; Wang, Yigang; Yu, Lingyun
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Panaroma viewing; Virtual house; Virtual presentation; Virtual Reality; Walkthrough
Country: People's Republic of China

43. The Effect of Adding Smell Into a Mixed Reality Space: An Experimental Study [View Paper]
Author: Ishizawa, Masayuki; Okada, Kenichi; Shigeno, Hiroshi; Yamashita, Yasuo
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: 3DCG; Electroencephalogram; Mixed reality; Smell; Virtual object
Country: Japan

44. The Effect of Background Occlusion and User Perceptual Characteristics on Sickness and Visual Attention During Immersion [View Paper]
Author: Love, Steve; Turner, Mark; van Laar, Darren
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Attention; Background occlusion; Simulator sickness; Spatial ability; Virtual Reality
Country: United Kingdom

45. Effect of Narrow Road Driving Assistance System on Driving Performance [View Paper]
Author: Chen, Jian-Ming; Hwang, Sheue-Ling
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Driving assistance system; Driving performance; Driving simulation; Narrow road; Virtual Reality
Country: Taiwan

46. Effects of Exposure to HMD and Dome VR Systems on Postural Control [View Paper]
Author: Harm, Deborah L.; Taylor, Laura C.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Dome Virtual Environments; Head-Mounted Display; Postural Equilibrium; Repeated Exposures; Virtual Environments
Country: United States of America

47. Effects of Motion Exposure on Physiological, Cognitive, and Subjective Measures of Sickness and Fatigue [View Paper]
Author: Compton, Daniel E.; Drexler, Julie M.; French, Jonathan; Kennedy, Robert S.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Cortisol; Melatonin; Motion sickness; Sopite syndrome; Virtual Environments
Country: United States of America

48. Effects of Viewpoint Manipulation on Scene Understanding [View Paper]
Author: Bliss, James P.; King, Robert
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Egocentric versus exocentric; Interaction method; Spatial decisions; Viewpoint manipulation; Virtual

Environments
Country: United States of America

49. Effects of Visual and 3D Sound Feedback on Assembly Task Performance in a Virtual Environment
[View Paper]
Author: Fernando, Terrence; Sotudeh, Reza; Zhang, Ying
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Assembly simulation; Multi-sensory feedback; Task performance; Usability; Virtual Environments
Country: United Kingdom

50. Enhancing Costume Designer Creativity Utilizing Haptic Interaction in Cloth Editing Applications
[View Paper]
Author: Koutsonanos, D.; Moustakas, K.; Strintzis, M.G.; Tzovaras, D.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Cloth simulation; Collision detection; Force feedback; Haptics; Hierarchical integration
Country: Greece

51. Ergonomics Study System Based on Virtual Reality Technologies [View Paper]
Author: Fu, Huangzhang; Huang, Haiqing; Zhang, Wei
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Digital human; Ergonomics; Motion tracking; Simulation; Virtual Reality
Country: People's Republic of China

52. Evaluating Collaboration in Distributed Virtual Environments for a Puzzle-Solving Task
[View Paper]
Author: Heldal, Ilona; Schroeder, Ralph; Steed, Anthony
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Collaboration; Distributed virtual environment; Evaluation; Qualitative; Quantitative
Country: Sweden; United Kingdom

53. Exemplar VE Design Guidance Tool for Selection and Manipulation Interaction Techniques
[View Paper]
Author: Garcia, Arturo S.; Gonzalez, Pascual; Molina, Jose P.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: 3D Graphics; Guiding tools; Interaction techniques; Usability Evaluation; Virtual Reality
Country: Spain

54. Experimental Investigation for Presentation of AIS Symbols on ECDIS in a Motion-Based Ship
Bridge Simulator [View Paper]
Author: Alexander, Lee; MacKinnon, Scott; Motz, Florian; Patterson, Anthony; Widdel, Heino
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: AIS target detection; Color perception; ECDIS; Motion-based simulator; Ship bridge simulator
Country: Canada; Germany; United States of America

55. Exploiting the Illusion of Self-Motion (Vection) to Achieve a Feeling of 'Virtual Acceleration' in an
Immersive Visual Display [View Paper]
Author: Lawson, Ben D.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Motion sickness; Optokinetic; Orientation; Self-motion; Vection
Country: United States of America

56. Explorative Information Spaces with the Virtual TeXt-o-Graphic Library (VTEXGL) [View Paper]
Author: Avizzano, Carlo Alberto; Bergamasco, Massimo; Ruffaldi, Emanuele

Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Exploration; Hypermedia; Information space; Navigation; Text visualization
Country: Italy

57. The Fidelity of "Feel": Emotional Affordance in Virtual Environments [View Paper]
Author: Dozois, Aimee; Luigi, Donat-Pierre; Morie, Jacquelyn Ford; Williams, Josh
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Affordance; Emotion; Immersive environments; Presence; Virtual Reality
Country: United States of America

58. Free Form Sketching in 3D Using Uniform Spherical Reference Points [View Paper]
Author: Akgunduz, Ali; Yu, Hang
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Free-form sketching; NURBS; Parametric surfaces; Product design; Virtual Reality
Country: Canada

59. Generalized Performance Evaluation for Haptic Force Feedback Interfaces: A Review of Tactile Sensing for Object Recognition [View Paper]
Author: Placencia, Greg; Rahimi, Mansour
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Force feedback; Haptic sensing; Mechanoreceptors; Object recognition; Performance evaluation
Country: United States of America

60. Haptic Rendering with Six Virtual Cameras [View Paper]
Author: Kim, Jong-Phil; Lee, Beom-Chan; Ryu, Jeha
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Graphic hardware; Haptic rendering; Virtual camera; Virtual Reality; Z-depth
Country: Korea

61. Hierarchical Timing Model for Interactive VR Storytelling [View Paper]
Author: Hirose, Michitaka; Hirota, Koichi; Ko, Heedong; Park, Changhoon
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Composition; Story-telling; Temporal Relationship; Timing Model; Virtual Reality
Country: Japan; Korea

62. How to Converse with a Virtual Agent by Speaking and Listening Using Standard W3C Languages [View Paper]
Author: Larson, James A..
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Extended MultiModal Annotation (EMMA); Multimodal user interfaces; Speech Recognition Grammar Language (SRGS); Standard languages; World Wide Web Consortium (W3C)
Country: United States of America

63. Human Emotional State and Its Relevance for Military VR Training [View Paper]
Author: Buckwalter, J. Galen; Morie, Jacquelyn Ford; Pair, Jarrell; Rizzo, Albert A.; Williams, Josh
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Games; Military training; Post Traumatic Stress Disorder; Therapy; Transfer of training
Country: United States of America

64. Human Modeling and Simulation in Virtual Environment for Aged People's Product Optimization [View Paper]
Author: Fu, Huangzhang; Lin, Heng; Wu, Weiheng
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Aging; Motion tracking; Optimization; Simulation; Virtual Reality

Country: People's Republic of China

65. Hybrid Objects - A Concept for the Seamless Integration of 2D and 3D User Interfaces
[View Paper]
Author: Gollner, Moritz; Graf, Holger; Stork, Andre; Wundrak, Stefan
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Desktop VR Solution; Hybrid Objects; Interaction; Seamless 2D/3D Environments; Virtual Reality
Country: Germany

66. Immersion Research in the Area of the Virtual Reality at the User Centered Technologies Research
Institute [View Paper]
Author: Dontschewa, Miglena; Kunz, Andreas; Marinov, Marin; von Hellberg, Philipp; Weidmann, Karl-Heinz
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Human Figure Animation; Human-machine interaction; Manipulation of Virtual Objects; Virtual prototyping;
Virtual Reality
Country: Austria; Belgium

67. Immersive Virtual Reality for a Well-Being Experience Psychosocial Support Through Immersive
Virtual Reality [View Paper]
Author: Boytscheff, Constantin; Sfeir, Marilu Kanacri
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Biofeedback; Immersive virtual reality; Psychosocial; W.O.M.B.; Well-being
Country: Germany

68. The Impact of Sound on Emotion and Its Importance in Military and Medical Simulation
[View Paper]
Author: Shilling, Russell
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Emotion through sound; Immersive sound; Sound design; Video games; Virtual Reality
Country: United States of America

69. The Impact of Sound on Emotion and Its Importance in Military and Medical Simulation
[View Paper]
Author: Shilling, Russell
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Emotion through violent sound; Immersive sound; Presence; Sound design; Virtual Reality
Country: United States of America

70. The Importance of Usability in Product Development of Machines Controlled Through Displays
[View Paper]
Author: Ainoa, Juha; Patt, Katarina
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Automatic check-in machines; Drill rigs; Novice users; Usability; User-centered design and development
Country: Finland

71. Input Devices and Interaction Techniques to Minimize Visual Feedback Requirements in
Augmented and Virtual Reality [View Paper]
Author: Blasko, Gabor; Feiner, Steven
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Cursorless user interfaces; Eyes-free input; Input devices; Single hand interaction; Virtual- and Augmented
Reality
Country: United States of America

72. **Integrating a Projection-Based Olfactory Display with Interactive Audio-Visual Contents** [View Paper]
Author: Adachi, Takuya; Hosaka, Kenichi; Kawato, Shinjiro; Miyasato, Tsutomu; Noma, Haruo; Tomono, Akira; Yanagida, Yasuyuki
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Air cannon; Multimodal interface; Olfactory display; Scent; Virtual Reality
Country: Japan

73. **Integrating Real and Virtual Objects in Virtual Environments** [View Paper]
Author: Brooks, Fred; Insko, Brent; Lok, Benjamin; Whitton, Mary
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: 3D interaction; Cognition in VR; Mixed environments; Mixed reality; Passive haptics
Country: United States of America

74. **The Integration and Display of Architectural Information Using XML and X3D Technologies** [View Paper]
Author: Farrimond, Brian; Hetherington, Robina
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Country: United Kingdom

75. **Integration of Physics Based Simulation with Haptic Interfaces for VR Applications** [View Paper]
Author: Kim, Hyoung-Gon; Kim, Jinwook; Ko, Heedong; Sato, Makoto; Sylvia, Irawati
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: CAVE; Contact response; Haptic interaction; Physics based simulation; Virtual Reality
Country: Japan; Korea

76. **Interaction Between Users of Immersion Projection Technology Systems** [View Paper]
Author: Roberts, D.; Schroeder, Ralph; Steed, Anthony
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Collaborative Virtual Environments; Immersive projection technology; Interaction; Presence; Virtual Reality
Country: United Kingdom

77. **Interaction Within Multimodal Environments in a Collaborative Setting** [View Paper]
Author: Daly, Jason; Martin, Glenn A.; Thurston, Casey
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Artificial Reality; Augmented reality; Mobile Environments; Navigation; Virtual Reality
Country: United States of America

78. **Interactive Digital Patient for Triage Nurse Training** [View Paper]
Author: Hardin, Sonya; Hodges, Larry F.; Ulinski, Amy; Zanbaka, Catherine; Ziemkiewicz, Caroline
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: 3D interaction; Learning technology; Nurse education; Virtual humans; Virtual Reality
Country: United States of America

79. **IRVO: An Interaction Model for Designing Collaborative Mixed Reality Systems** [View Paper]
Author: Chalon, Rene; David, Bertrand T.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Augmented reality; CSCW; Interaction model; Mixed reality; Model-based design
Country: France

80. **Lessons Learned in Assessing Human-Virtual Human Interaction** [View Paper]
Author: Goolkasian, Paula; Hodges, Larry F.; Lok, Benjamin; Zanbaka, Catherine
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Experimental design; Human - Computer Interaction (HCI); Personality; Virtual humans; Virtual Reality

Country: United States of America

81. A Literature Review of Virtual Reality Research and Application in China [View Paper]
    Author: Chen, Yonggang; Duan, Pubin; Zhang, Wei
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Augmented reality; Computer graphics; Data mining; Literature review; Virtual Reality
    Country: People's Republic of China

82. Measuring Situation Awareness in a Virtual Urban Environment for Dismounted Infantry Training [View Paper]
    Author: Endsley, Mica R.; Kaber, David B.; Lampton, Donald R.; Riley, Jennifer M.
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Collaborative Virtual Environments; Dismounted infantry; Military operations in urban terrain; Situation awareness; Training research
    Country: United States of America

83. Methodical Preservation of Technical Knowledge by Computerized 3D-Figure Visualization [View Paper]
    Author: Beuthel, Regina
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: 3D-figure visualization; Human perception; Knowledge integration method; Long-time preservation; Product knowledge
    Country: Germany

84. Motion Sickness and Console Video Games [View Paper]
    Author: Merhi, Omar; Stoffregen, Thomas A.
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Cybersickness; HMD; Motion sickness; Posture; Video games
    Country: United States of America

85. Multi-Modal Virtual Environments – A Geoscience Perspective [View Paper]
    Author: Harding, Chris
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Geoscience; Haptics; Multimodal; Sonification; Visualization
    Country: United States of America

86. A Multi-Sensory Integrated Representation Architecture for Notional Display Applications [View Paper]
    Author: Bradshaw, Jeffrey M.; Carff, Roger; Higgins, Jeremy; Johnson, Matthew; Kulkarni, Shriniwas; Raj, Anil
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Haptics; Human-centered interface; Multi-sensory display; Notional; Software agent
    Country: United States of America

87. A New VE Challenge: Immersive Experiences for Team Training [View Paper]
    Author: Brooks, Fred; Cannon-Bowers, Jan; Fuchs, Henry; McMillan, Leonard; Whitton, Mary
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Body tracking; Display technologies; Scenario generation; Scenario-based Training; Virtual Physics
    Country: United States of America

88. An Optimal Control Model of the Human Gait in Virtual Reality [View Paper]
    Author: Dong, Haining; Hsiang, Simon M.; Lin, Ji; Zhang, Yanxin
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Optimal control model; Partial gravity; The human gait; Virtual Reality; Visual tracking
    Country: United States of America

89. OREM: An Engine for Task-Oriented Multimodal Rendering in Virtual Environments [View Paper]
    Author: Bourdot, Patrick; Bouyer, Guillaume; Vezien, Jean-Marc
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: CAD; Multimodality; Psychophysics; Rules; Virtual Reality
    Country: France

90. Perceptual Tools for Developing Tactile Displays for Virtual Environments [View Paper]
    Author: Brill, J. Christopher; Cholewiak, Roger W.; Gilson, Richard D.
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Cutaneous; Display; Psychophysics; Sensation; Vibrotactile
    Country: United States of America

91. Performance Measurement and Training Feedback in a Military Collaborative Virtual Environment
    [View Paper]
    Author: Bliss, James P.; Lampton, Donald R.; Martin, Glenn A.
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: After action reviews; Collaboration; Human Factors; Virtual Environments; Virtual Reality
    Country: United States of America

92. Personalized Multimodal Interface Platform (PerMIP) [View Paper]
    Author: Rauschert, Ingmar; Sharma, Rajeev
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Augmentative and Assistive Communication; Computer vision; Multimodal Human-Computer Interface;
    Personalization; Tremor filtering
    Country: United States of America

93. Physiological Aftereffects and Subjective VR Immersion Limits: The Effects State of Health
    [View Paper]
    Author: Champney, Roberto K.; Compton, Daniel E.; Kennedy, Robert S.; Stanney, Kay M.
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Aftereffects; Body Mass Index; Cybersickness; Exposure Time; Virtual Environments
    Country: United States of America

94. The Potential Societal Impact of Virtual Reality [View Paper]
    Author: Koltko-Rivera, Mark E.
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Aggression; Sexuality; Society; Spirituality; Virtual Reality
    Country: United States of America

95. Prototype System for Navigating the Moon-Surface Using a Walking-Stepper [View Paper]
    Author: Asai, Kikuo; Kobayashi, Hideaki
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Locomotion interface; Moon-surface navigation; Prototype; VR Technology; Walking
    Country: Japan

96. The Quest for Intuitive 3D-Input Devices [View Paper]
    Author: Froehlich, Bernd
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Computer graphics; Input devices; Interaction techniques; Spatial input; User interfaces
    Country: Germany

97. The Representation of Space Through Static and Dynamic Tactile Displays [View Paper]
    Author: Beede, Kristy; Cholewiak, Roger W.
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Psychophysics; Spatial localization; Tactile display; Targeting and tracking; Vibrotactile stimuli
    Country: United States of America

98. Research on Scalable Active Interest Management [View Paper]
    Author: Dinghao, Zeng; Jia, Bei; Jingui, Pan; Yeyi, Cui
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Active interest; Distributed VR; Load balance; Network communication; Virtual Environments
    Country: People's Republic of China

99. The Role of High Frequencies in Talker Localisation and Segregation: Bandwidth Requirements for Multi-Source Audio [View Paper]
    Author: Best, Virginia; Carlile, Simon; Jin, Craig; van Schaik, Andre
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Infidelity of lowpass speech; Sound localization; Source segregation; Spatial auditory perception; Virtual auditory space
    Country: Australia

100. A Scaleable Sensor Approach for Immersive and Desktop VR Applications [View Paper]
    Author: Behr, Johannes; Dahne, Patrick; Knopfle, Christian
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Extensible 3D (X3D); Immersion; Input devices; Mixed reality; Virtual Reality
    Country: Germany

101. Selection of Metaphoric and Physical Fidelity Multimodal Cues to Enhance Virtual Environment (VE) Performance: Benefits and Issues [View Paper]
    Author: Cohn, Joseph V.; Hale, Kelly; Milham, Laura; Stanney, Kay M.
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Metaphoric cues; Multimodal; Situation awareness; Training; Virtual Environments
    Country: United States of America

102. Sense of Presence: A Comparative Study of Presence in a Simulated Environment vs. Presence in the Real World [View Paper]
    Author: George, Roy; McKinnon, Lynn D.; Mumford, Alonza; North, Max M.; North, Sarah M.
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Comperative Study; Sense of Presence; Simulation; Virtual Environments; Virtual Reality
    Country: United States of America

103. The Shared Imagination: Creative Collaboration in Augmented Virtuality [View Paper]
    Author: Hughes, Charles E.; Stapleton, Christopher B.
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Augmented reality; Augmented virtuality; Creative Collaboration; Mixed reality; Virtual Reality
    Country: United States of America

104. Simulating On-the-Job Training Using a Collaborative Virtual Environment with Head Slaved Visual Deictic Reference [View Paper]
    Author: Duchowski, A.T.; Gramopadhye, Anand K.; Greenstein, J.S.; Rele, R.; Sadasivan, Sajay
    Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
    Keywords: Avatars; Collaborative Virtual Environments; Training simulator; Visual Deictic Reference; Visual inspection
    Country: United States of America

105. Simulation of Manual Lifting in Virtual Environments [View Paper]
Author: Dong, Haining; Hsiang, Simon M.; Zhang, Yanxin
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Biomechanical simulation; Inverse kinematics; Manual lifting; Objective function; Optimization
Country: United States of America

106. Situation Awareness and Human-Agent Teams: Integrating Socio-Cognitive Theories with the Practice of Human Agent-Teamwork [View Paper]
Author: Finkelstein, Neal; Fiore, Stephen M.; Jentsch, Florian G.; Rehfeld, Sherri A.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Agents; Attitudes; Situation awareness; Social cognition; Teams
Country: United States of America

107. Situation Awareness in an Augmented Reality Cockpit: Design, Viewpoints and Cognitive Glue [View Paper]
Author: Andre, Anthony D.; Foyle, David C.; Hooey, Becky L.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Augmented reality; Aviation displays; Display; Human Factors; Situation awareness
Country: United States of America

108. Software Design of Multimodal User Interaction System [View Paper]
Author: Chen, Fang; Wu, Mike
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Keywords: Gesture recognition; Message schema; Multi-Agent system; Multimodal user interaction; Software architecture
Country: Australia

109. Some New Virtual Environment Training Applications for Dangerous Duty [View Paper]
Author: Scerbo, Mark W.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Checkpoint; Interface; Mannequin-based simulator; Medical; Military applications
Country: United States of America

110. Speech, Earcons, Auditory Spatial Signals (SEAS): An Auditory Multimodal Approach [View Paper]
Author: Graeber, David; Jones, David Lee; Samman, Shatha N.; Stanney, Kay M.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Auditory spatial cues; Earcons; Multimodal interaction; Speech; Workload
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111. Study on Virtual Maintenance [View Paper]
Author: Li, Yafeng; Su, Mandi; Wu, Xinping; Yang, Yuhang
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Ergonomics; Maintenance; Simulation; Virtual maintenance; Virtual Reality
Country: People's Republic of China

112. Successes and Struggles: Finding Where VR Fits in the Industrial World [View Paper]
Author: Cruz-Neira, Carolina; Duncan, Jerry; Kitching, Joseph
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Human - Computer Interaction (HCI); Human in the loop; Industrial applications; Virtual prototyping; Virtual Reality
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113. Survey of User-Based Experimentation in Augmented Reality [View Paper]
Author: Gabbard, Joseph L.; Swan, J. Edward, II
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications

Keywords: Augmented reality; Survey; Usability Engineering; Usability Evaluation; User-based experiment
Country: United States of America

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Author: Adachi, Tomoaki; Kiyokawa, Kiyoshi; Ogawa, Takefumi; Takemura, Haruo
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Keywords: 3D model; Live video; Telepresence; Virtual Environments; Wearable camera
Country: Japan

115. Think Multimodal to Maximize Information Management Capacity [View Paper]
Author: Samman, Shatha N.; Sims, Valerie K.; Stanney, Kay M.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Cognitive processing; Information management capacity; Multimodal interaction; Multiple resource theory; Working memory
Country: United States of America

116. Top-Down and Multi-Modal Influences on Self-Motion Perception in Virtual Reality [View Paper]
Author: Larsson, P.; Riecke, B.E.; Schulte-Pelkum, J.; Vastfjall, D.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Multimodal cue integration; Self-motion; Simulation; Spatial orientation; Vection
Country: Germany; Sweden

117. Towards Structured Design of Mixed Reality Content [View Paper]
Author: Geiger, C.; Pflug, T.; Stocklein, Jorg
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Augmented reality; Authoring; Mixed reality; Rapid prototyping
Country: Germany

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Author: Lin, I-Fan; Shinn-Cunningham, Barbara G.; Streeter, Tim
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Auditory distance perception; Information transfer in auditory display; Sound localization; Spatial auditory perception; Virtual auditory space
Country: United States of America

119. Trainee-Centric Design for Developing Military-Based Virtual Environment Training Systems [View Paper]
Author: Cohn, Joseph V.; Milham, Laura; Muller, Pete; Nicholson, Denise; Schmorrow, Dylan D.; Stanney, Kay M.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Collective training; Fidelity; Instruction; Team training; Training transfer
Country: United States of America

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Author: Kiyokawa, Kiyoshi; Takemura, Haruo
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Gesture-based interaction; Multiple viewports; Remote object manipulation; Through-the-lens interaction; User navigation
Country: Japan

121. UI Concepts of VR Systems for Product Development [View Paper]
Author: Santos, Pedro; Stork, Andre; Wundrak, Stefan
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications

Keywords: Augmented reality; Product development; Stroke-based input; UI concepts; Virtual Reality
Country: Germany

122. Untethered VR Interface with Multi-Directional Force Feedback Based on Air Jets [View Paper]
Author: Kobayashi, Minoru; Suzuki, Yuriko
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Entertainment; Haptics; Untethered Interface; Virtual Reality
Country: Japan

123. Use of Haptic Displays to Enhance Training in a Virtual Environment [View Paper]
Author: Cohn, Joseph V.; Daly, Jason; Eitelman, Susan M.; Fowlkes, Jennifer; Washburn, Donald
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Keywords: Haptics; Sensation and perception; Tactile; Team training; Training effectiveness
Country: United States of America

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Author: Dontschewa, Miglena; Kempter, Guido; Ritter, Walter; Roux, Pascale
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Experience of presence; Prototyping; Psychophysics; Psychophysiology; Virtual Reality
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Author: Carriazo, Eduardo; Huang, Yih-lun; Kyriakakis, Chris; Marsh, Tim; Nocera, Luciano; Shahabi, Cyrus; Varma, Aditiya; Wong, Wee Ling; Yang, Kiyoung; Yoon, Hyunjin
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Activity theory; Design / Evaluation; Digital Games; Learning Environments; Usability / User Experience
Country: United States of America

126. Using Barriers in Immersive Virtual Environments [View Paper]
Author: Frees, Scott; Kessler, G. Drew; Nonnemaker, Jean
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Keywords: Barriers; Immersive; Mobility; Tracking Range; Virtual Environments
Country: United States of America

127. Using Vibrotactile Cues for Virtual Contact and Data Display in Tandem [View Paper]
Author: Lindeman, Robert W.; Page, Robert; Sibert, John L.; Templeman, James N.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Haptics; Information display; Simulation & Virtual Reality; Vibrotactile cues; Virtual contact
Country: United States of America

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Author: Schneider, Susan M.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Anxiety; Breast cancer; Chemotherapy; Distraction; Virtual Reality
Country: United States of America

129. VARAMM: Mental Model of Remote Communication [View Paper]
Author: Kitajima, Muneo; Morikawa, Osamu; Shimada, Hideaki
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Cognitive Science; Mental model; Remote communication; Script; Virtual Reality
Country: Japan

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Author: Anand, Ajay; Kamerkar, Ameya; Kesavadas, Thenkurussi
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Keywords: Interactive design; NURBS modeling; Sculpting; Virtual clay; Virtual sculpting
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131. Virtual Dancer: Architecture for Generating Semi-Automatic 3D Animations [View Paper]
Author: Barros, Roberto S.M.; Cabral, Davi M.; Lima, Rodrigo B.V.; Ramalho, Geber L.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Avatars; Dance animation; MIDI Synchronization; VRML; XML
Country: Brazil

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Author: Schultheis, Maria T.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Driving; Rehabilitation; Simulator sickness; Stroke; Virtual Reality
Country: United States of America

133. Virtual Environments for Training Decision Making [View Paper]
Author: Alexander, T.; Renkewitz, H.; Schlick, C.M.; Winkelholz, C.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: 3D visualization; Augmented reality; Command & Control Systems; Interaction; Virtual Environments
Country: Germany

134. Virtual Presentation of Products Based on Virtual Human [View Paper]
Author: Chen, Tian; Pan, Zhi-geng
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Keywords: Immersion; Mobile phone; Virtual humans; Virtual presentation; Virtual Reality
Country: People's Republic of China

135. Virtual Reality Analgesia [View Paper]
Author: Garcia-Palacios, Azucena; Hoffman, Hunter; Jensen, Mark; Patterson, David; Richards, Todd; Sharar, Sam; Van Oostrom, Trevor
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Analgesia; Distraction; Pain; Presence; Virtual Reality
Country: United States of America

136. Virtual Reality Applications in Addictions Treatment and Research [View Paper]
Author: Bordnick, Patrick S.; Graap, Ken M.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Craving; Cue Reactivity; Drug Addiction; Substance Abuse; Virtual Reality
Country: United States of America

137. A Virtual Reality Based Interface for Effective Layout Design of Flexible Manufacturing Systems [View Paper]
Author: Banerjee, Amarnath; Sharda, Bikram
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Flexible Manufacturing System; Layout Design System; Layout Planning; Scenegraph; Virtual Reality
Country: United States of America

138. Virtual Reality Exposure for Phobias, Panic Disorder, and Posttraumatic Stress Disorder: A Brief Sampling of the Literature [View Paper]

Author: Bullinger, Alex H.; Wiederhold, Brenda K.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Addiction; Anxiety disorder; Phobias; Therapy; Virtual Reality
Country: Switzerland; United States of America

139. Virtual Reality Locomotion Interface for the Study of Gait Kinematics [View Paper]
Author: Kaber, David B.; Mirka, Gary A.; Sheik-Nainar, Mohamed A.
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Gait; Kinematics; Locomotion; Optic flow; Presence
Country: United States of America

140. A Virtual Reality Scenario for All Seasons: The Virtual Classroom [View Paper]
Author: Adams, Rebecca; Bowerly, Todd; Buckwalter, J. Galen; Finn, Paul; Kerns, Kim; Klimchuk, Dean; Mitura, Roman; Ollendick, Thomas H.; Randall, Katherine; Rizzo, Albert A.; Sirbu, Cristian; Tarnanas, Ioannis; Yeh, Shih-Ching
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Attention Deficit Disorder; Cognitive Assessment; Game engines; Social anxiety; Virtual Reality
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141. The Virtual Set as a Kind of Virtual Environment [View Paper]
Author: Nowak, Arne; Schade, Hans-Peter
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Chroma; Real-time Rendering; Tracking; TV Production; Virtual Studio
Country: Germany

142. VR Annotations for Collaborative Design [View Paper]
Author: Aubry, Stephane; Guenand, Anne; Lenne, Dominique; Thouvenin, Indira
Volume: Volume 9 - Advances in Virtual Environments Technology: Musings on Design, Evaluation, & Applications
Keywords: Annotations; Collaborative design; Knowledge management; Ontologies; Virtual Reality
Country: France

143. Warning Signals Go Multisensory [View Paper]
Author: Ho, Cristy; Spence, Charles; Tan, Hong Z.
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Keywords: Attention; Driving; Multi-sensory; Spatial; Warning signals
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   Author: <u>Chavan, Apala Lahiri</u>
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   Keywords: <u>Archetypes</u>; <u>Bollywood</u>; <u>Collective</u>; <u>Cross-cultural design</u>; <u>Usability</u>
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   Author: <u>Hofmann, Britta</u>; <u>Hummer, Marc</u>; <u>Kretschmer, Dorothea</u>
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   Author: <u>Aoyagi, Shigemi</u>; <u>Harada, Yasunori</u>; <u>Hirata, Keiji</u>; <u>Nakakoji, Kumiyo</u>; <u>Takada, Toshihiro</u>; <u>Yamamoto, Yasuhiro</u>
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   Author: <u>Hall, Lynne</u>; <u>Whitbread, Delia</u>
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   Keywords: <u>Collaborative artwork</u>; <u>Collaborative design</u>; <u>Digital stained glass</u>; <u>Online communities</u>; <u>Virtual workspaces</u>
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   Author: <u>Svartdal, Frode</u>; <u>Svendsen, Gunnvald B.</u>
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   Keywords: <u>Behaviorism</u>; <u>Mobile messaging</u>; <u>Operant analysis</u>; <u>SMS</u>; <u>Texting</u>
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Author: [Damsma, Phia](); [Evers, Vanessa](); [Luteijn, Christiaan](); [Norgaard, John]()
Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation]()
Keywords: [Accessibility](); [Children](); [Online communities](); [Visual impairment](); [Web usability]()
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9. Can Users Be Excluded from an Inclusive Design Process? [[View Paper]()]
   Author: [Cardoso, Carlos](); [Clarkson, P. John](); [Keates, Simeon]()
   Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation]()
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    Author: [Kleinman, Jason](); [Lazar, Jonathan]()
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    Author: [Koskinen, Toni](); [Nieminen, Marko](); [Poyry, Paivi]()
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation]()
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    Author: [Nakakoji, Kumiyo](); [Nishinaka, Yoshiyuki](); [Shirai, Yoshinari](); [Yamada, Kazuaki]()
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation]()
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    Keywords: [American culture](); [Chinese culture](); [Cultural differences](); [eCommerce](); [Shopper preferences]()
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15. Community Inquiry and Collaborative Practice: The iLabs of Paseo Boricua [[View Paper]()]
    Author: [Bishop, Ann Peterson](); [Bruce, Bertram C.]()
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation]()
    Keywords: [Collaboration](); [Community informatics](); [Community inquiry](); [Software design](); [Urban youth]()
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    Author: [Chan, Alan H.S.](); [Han, Sung H.](); [Nanthavanij, S.](); [Shen, Y.](); [Yu, R.F.]()
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    Author: [Beynon, Meurig](#)
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation](#)
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    Author: [Foucault, Brooke E.](#)
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20. Creation of Large-Scale Learning Conversations in Loose Cross-Cultural Communities of Interest [[View Paper](#)]
    Author: [Kearney, Nick](#); [Scheuermann, Friedrich](#)
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation](#)
    Keywords: [Communities of interest](#); [Cross-cultural](#); [International online courses](#); [Learning communities](#); [Learning conversations](#)
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21. Creative Collaboration: Communication, Translation and Generation in the Development of a Computer-Based Artwork [[View Paper](#)]
    Author: [Edmonds, Ernest](#); [Johnston, Andrew](#); [Turner, Greg](#); [Weakley, Alastair](#)
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation](#)
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23. Cross-Cultural Issues in Evaluating Culturally Diverse Users [[View Paper](#)]
    Author: [Evers, Vanessa](#)
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation](#)
    Keywords: [Communication](#); [Culture](#); [Online communities](#); [Research methods](#); [User research](#)
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24. Cross-Cultural Study of Information Seeking [[View Paper](#)]
    Author: [Komlodi, Anita](#)

Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Cultural differences; Information seeking; International usability; Search strategies; Web search
Country: United States of America

25. A Cross-Cultural Study on Attitudes Towards Robots [View Paper]
Author: Bartneck, Christoph; Kanda, Takayuki; Kato, Kennsuke; Nomura, Tatsuya; Suzuki, Tomohiro
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Attitudes toward robots; Culture; Human; Interaction; Robot
Country: Japan; Netherlands

26. Cultural Barriers in the Adoption of Emerging Technologies [View Paper]
Author: Beekhuyzen, Jenine; Siedle, Mark; von Hellens, Liisa
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Culture; Return on investment; Small- and medium-sized companies; Technology adoption; Technology barriers
Country: Australia

27. Cultural Dimensions: Who Is Stereotyping Whom? [View Paper]
Author: Ford, Gabrielle; Kotze, Paula; Marcus, Aaron
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Culture; Dimension models; Hofstede; Human-Computer Interaction (HCI); User interface
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28. The Cultural Effects of Time Usage and Process Complexity on Control Performance [View Paper]
Author: Goonetilleke, Ravindra S.; Zhang, Yan
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Culture; Monochronicity; Polychronicity; Process complexity; Process control
Country: Hong Kong

29. Cultural Issues and Their Representation in Cultural Variables for Human-Machine-Systems [View Paper]
Author: Rose, Kerstin
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Cultural issues; Development process; Human-machine systems (HMS); Intercultural variables; International Design
Country: Germany

30. Design and Usability for Indian Middle Tier: How to Tackle Cultural Differences? [View Paper]
Author: Prabhu, Girish V.
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Design; Usability
Country: India

31. The Design Exchange: A Collaborative Online Community for Designers Based on Shared Construction of Design Knowledge [View Paper]
Author: Blevis, Eli; Lim, Youn-Kyung; Ozakca, Muzaffer
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Design tool; Evaluation; Online communities; Online communities design; Reuse of design knowledge
Country: United States of America

32. A Design Theory Approach to Community Informatics: From Kernel Concepts and Social Applications [View Paper]
Author: Bourgeois, David T.; Horan, Thomas A.
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Communities of practice; Community informatics; Design theory; Social informatics

Country: United States of America

33. Designing for a Sense of Place: Imprints of Presence [View Paper]
    Author: Boehner, Kirsten; Gay, Geri; Hembrooke, Helene
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Interpretive flexibility; Museums; Sense of place; Ubiquitous Computing; User experience
    Country: United States of America

34. Designing for International Markets: Between Ignorance and Clichés [View Paper]
    Author: Quaet-Faslem, Pia
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Cultural values; Heuristics; Internationalization; Product design; Usability
    Country: Germany

35. Designing for Interpretation [View Paper]
    Author: Gaver, Bill; Sengers, Phoebe
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Ambiguity; Design; Hermeneutics; Meaning; User experience
    Country: United Kingdom; United States of America

36. Designing for Money Across Borders [View Paper]
    Author: Singh, Supriya
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Cross-cultural; Design; Domestic money; Global; Sociology of money
    Country: Australia

37. Development of a Trilingual Ergonomics Knowledge and Intelligent Design System (EKIDES) [View Paper]
    Author: Bubb, Heiner; Fukuda, Ryoko; Jastrzebska-Fraczek, Iwona; Schmidtke, Heinz
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Cultural differences; Database; Ergonomics; Multilingual; Standards
    Country: Germany; Japan

38. Differences in the Perceived Affective Satisfaction Among Users with Different Nationalities: A Case Study on Mobile Phones [View Paper]
    Author: Chan, Alan H.S.; Han, Sung H.; Hong, Sang W.
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Affective product design; Affective satisfaction; Cultural differences; Mobile phones; Relationship model between affective satisfaction and product design
    Country: Hong Kong; South Korea

39. Discovering a Common Ground in the Quest for Usable Systems [View Paper]
    Author: Zlatev, Ivelina
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Common Ground; Software design; Usability; User-centered design; Visual design
    Country: Sweden

40. A Distributed Rap Session: Students' Online Research Experience [View Paper]
    Author: Brown, Douglas; Clark, Allison; Hill, Willie; Lenear, Phoebe; Rosenje, Saheed
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Access grid; African Americans in science, math, engineering and technology graduate programs; Distributed research teams; Education; Social presence
    Country: United States of America

41. Does a Class Need a Teacher? New Teaching and Learning Paradigms for Virtual Learning Communities [View Paper]
Author: Kahnwald, Nina; Kohler, Thomas
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Communities of practice; Learning communities; Learning technology; Teaching with new media; Virtualization
Country: Germany

42. Dynamic Communities in Support of Situated Knowledge Collaboration [View Paper]
Author: Yamamoto, Yasuhiro; Ye, Yunwen
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Cognitive, structural and relational proximity; Dynamic community; Knowledge collaboration; Social forms for collaboration; Socio-technical environments
Country: Japan; United States of America

43. E-Yosegaki: A Tool to Help Multiple People Communicate with an Individual [View Paper]
Author: Ihara, Masayuki; Kobayashi, Minoru; Shimada, Yoshihiro
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: E-Yosegaki; Fun; N-to-1 communication; Privacy; Tablet computer
Country: Japan

44. Emotional Immersiveness in Gaming Environments from a Social Constructionistic Perspective [View Paper]
Author: Stoltz, Hans-Christian
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Emotional immersiveness; Flow; Immersion; Massive multiplayer online roleplaying game; Social construct
Country: Scandinavia

45. Evaluating the Cultural Fitness of User Interface: An Analysis Paradigm for In-Vehicle Information Systems Display [View Paper]
Author: Johnson, Steven L.; Kim, Inki; Kong, Dongjoon; Park, Jonghyun; Yun, Myunghwan
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Context of use; Cultural fitness; Usability Evaluation; User characteristic; User interface design
Country: Korea; United States of America

46. Exploring Guidelines for Building e-Learning Communities: A Case Study [View Paper]
Author: Abras, Chadia
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Collaborative approach; Course design; Course management; Guidelines for success; Online e-learning communities
Country: United States of America

47. Exploring Mobile Information Systems for Adolescent Cancer Patients [View Paper]
Author: Knebel, Uta; Krcmar, Helmut; Leimeister, Jan Marco
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Adolescent cancer patients; Computer-Mediated Communication (CMC); Healthcare; Mobile communication; Mobile systems
Country: Germany

48. Facilitating Change Through Faculty Refocus on Distance Education Possibilities in Web-Based Course Work [View Paper]
Author: Hoehn, Lauren G.; Redline, Carole G.
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Alternative teaching techniques; Individual instruction; Instructor training; SoCQ Questionnaire; Web-based course work

Country: [United States of America](#)

49. The Fishbowl: Building Common Ground in Global Teamwork [[View Paper](#)]
    Author: [Fruchter, Renate](#)
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation](#)
    Keywords: [Collaborative work](#); [Education](#); [Global teamwork](#); [Interactive learning](#); [Work spaces](#)
    Country: [United States of America](#)

50. Frameworks for Analyzing Computer-Mediated-Communication in e-Learning [[View Paper](#)]
    Author: [Laghos, Andrew](#); [Zaphiris, Panayiotis](#)
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation](#)
    Keywords: [Computer Aided Language Learning (CALL)](#); [Computer-Mediated Communication (CMC)](#); [Human-Computer Interaction (HCI)](#); [Online communities](#); [Social Network Analysis (SNA)](#)
    Country: [United Kingdom](#)

51. From Reflective Practitioners to Reflective Communities [[View Paper](#)]
    Author: [Fischer, Gerhard](#)
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation](#)
    Keywords: [Communities](#); [Creativity](#); [Design](#); [Reflective communities](#); [Reflective practitioners](#)
    Country: [United States of America](#)

52. Getting the "Right" Requirements – Challenges and Obstacles in the Context of Mobile Device Design [[View Paper](#)]
    Author: [Quaet-Faslem, Pia](#)
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation](#)
    Keywords: [Cross-cultural](#); [Design process](#); [Internationalization](#); [Mobile devices](#); [Requirements Engineering](#)
    Country: [Germany](#)

53. HCI Culture Involvement in Industrial Products: Tools Proposition [[View Paper](#)]
    Author: [Dejean, Pierre-Henri](#)
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation](#)
    Keywords: [Cultural factors](#); [Guidelines](#); [Industrial design](#); [Publishing requirements](#); [Tools](#)
    Country: [France](#)

54. How Do Web Sites Appear in Different Cultures? A Comparative Study with Korean and German Users [[View Paper](#)]
    Author: [Eibl, Maximilian](#); [Kim, Do Wan](#); [Mandl, Thomas](#)
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation](#)
    Keywords: [Usability](#)
    Country: [Germany](#); [Korea](#)

55. Humane Requirements for Enabling and Nurturing Collective Creativity [[View Paper](#)]
    Author: [Nakakoji, Kumiyo](#)
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation](#)
    Keywords: [Collective creativity](#); [Creative knowledge work](#); [Human requirements](#); [Interaction design](#); [Obligation and expectation](#)
    Country: [Japan](#)

56. ICT Education in Tanzania - A Contextualized Approach [[View Paper](#)]
    Author: [Sutinen, Erkki](#); [Vesisenaho, Mikko](#)
    Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation](#)
    Keywords: [Contextual design](#); [Developing countries](#); [Education](#); [Ethnocomputing](#); [ICT studies](#)
    Country: [Finland](#)

57. The Impact of Culture on Website Navigation Behaviour [View Paper]
    Author: Berendt, Bettina; Eisend, Martin; Kralisch, Anett
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Cross-cultural usability; Cultural dimensions; Hierarchical structure; Website design; Website navigation behavior
    Country: Germany

58. The Impact of Short Messaging Systems on Building Online Communities: Comparative Study of Turkish and American Cultures [View Paper]
    Author: Buyukozkan, Gulcin; Ozok, A. Ant
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: American culture; Community aspects; Short messaging services; Turkish culture; User preferences
    Country: Turkey; United States of America

59. Incorporating International Field Research into Software Product Design [View Paper]
    Author: Lovejoy, Tracey; Steele, Nelle
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Ethnographic methods; Ethnography; Internationalization; Product development
    Country: United States of America

60. Increasing Ease and Fun of Mobile Phone Use Through Avatars [View Paper]
    Author: auf der Heide, Bernd Holz; Bocker, Martin
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Avatar; Fun of use; Interactive partner; Mobile phones; Socio-cultural requirements
    Country: Germany

61. Increasing Usability Through Standards: Generic User Interface Elements for Mobile Terminals and Services [View Paper]
    Author: Aberg, Kristoffer; Bocker, Martin; Jokela, Riitta; Pluke, Mike; Schneider-Hufschmidt, Matthias; von Nim, Bruno
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Human factors standards; International standards; Mobile devices; Mobile phones; Usability
    Country: Finland; Germany; Sweden; United Kingdom

62. Innovating for Emerging Markets: Confluence of User, Design, Business and Technology Research [View Paper]
    Author: Frohlich, David M.; Prabhu, Girish V.
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Contextual invention; Cultural probes; Design ethnography; Ethnographic imagination; Multi-disciplinary approach
    Country: India; United Kingdom

63. An Innovative Approach to Build Communities Around Streaming Video [View Paper]
    Author: Kunz, Patrick
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Collaborative tools; Discussion forum; Ectus MEDIA; Streaming media; Videoconferencing
    Country: New Zealand

64. Integrating Course Topics with Inter-Site On-Line Communities [View Paper]
    Author: Ashcraft, Donna; Kumar, Krishna; Treadwell, Thomas
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Collaborative learning; Constructivist learning; Educational research; Learning communities; Multi-university learning
    Country: United States of America

65. Intensely Focused Groups Within On-Line Communities [View Paper]
    Author: Dafoulas, George; Kalaitzakis, Emmanouil; Keeling, Kathy; Macaulay, Linda A.; McGoldrick, Peter
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Gated communities; Online communities; Privacy; Security; Social communities
    Country: Greece; United Kingdom

66. Interactive Narrative Tools to Generate Insight Within a Collaborative Work Team [View Paper]
    Author: Siegel, Martin A.
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Conversation space; Insight; Interactive narrative; Scenarios; Storytelling
    Country: United States of America

67. Internet Health Information Searching [View Paper]
    Author: Rice, Ronald E.
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Influences on health information seeking; Internet; Online support; Outcomes of health information seeking; Pew survey data
    Country: United States of America

68. Investigating the Impact of Usability in Hybrid Virtual and Physical Learning Environments [View Paper]
    Author: Lazar, Jonathan; Meiselwitz, Gabriele
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Online communities; Online education; Usability testing; User satisfaction; Web usability
    Country: United States of America

69. IS-BoardII: The Bulletin Board System to Support Information Sharing for Information Education [View Paper]
    Author: Shinizowa, Yoshihisa; Takao, Shinji; Uetake, Tomofumi
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: CAI; Communities; CSCL; Electronic Bulletin Board System; Information sharing
    Country: Japan

70. Lessons Learned in Implementing the CHIplace Online Community [View Paper]
    Author: Frankowski, Dan; Kapoor, Nishikant; Konstan, Joseph; Terveen, Loren
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Graphical User Interface; Online communities; Open source software; Physi-virtual communities; World Wide Web
    Country: United States of America

71. Lessons Learned: How Ethnographic Methods Can Contribute to Cross-Cultural Design of Technical Devices [View Paper]
    Author: Sturm, Christian
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Anthropology; Case study; Cross-cultural design; Online project management system; Participatory research
    Country: Germany

72. The Life of the Place: Technology and Communities [View Paper]
    Author: Barile, Steve; Beckwith, Richard; March, Wendy; Salvador, Tony; Sherry, John W.
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Communities; Digital photography; Participatory design; Public places; Ubiquitous Computing
    Country: United States of America

73. Localizing ICTs for Community Benefit: A Role for MNCs [View Paper]
    Author: Anderson, Kenneth T.; Salvador, Tony; Sherry, John W.
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Community adoption; Global; ICTs; Local; MNCs
    Country: United States of America

74. Making Use of Scenarios for Achieving Effective Use in Community Computing Contexts [View Paper]
    Author: Carroll, John M.; Ganoe, Craig H.; James, Karen; Lee, Roderick; Merkel, Cecelia; Rosson, Mary Beth; Schafer, Wendy
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Effective use; Innovation; Participatory design; Scenarios; Team effectiveness
    Country: United States of America

75. MEDQUAL: Improving Medical Web Search Over Time with Dynamic Credibility Heuristics [View Paper]
    Author: Ginsburg, Mark
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Communities; Credibility; Group; Medical; Search
    Country: United States of America

76. The Mobile Phone as the Globalizing Icon of the Early 21st Century [View Paper]
    Author: Satchell, Christine; Singh, Supriya
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Design; Globalization; Mobile phones; User studies; Youth culture
    Country: Australia

77. Mobile User Experience: Challenges in International End-User Needs Research and Design [View Paper]
    Author: Konkka, Katja; Koskinen, Sanna
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Internationalization; Mobile devices; Transfer of research results; User experience; User-centered design
    Country: Finland

78. Mobile Users Make It Easier [View Paper]
    Author: Roibas, Anxo Cereijo
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Design of the innovation; Interaction guidance; Mobile users; Novel content; Usability
    Country: United Kingdom

79. Online Communities [View Paper]
    Author: Szaloki, Gabriella
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Hungary; Online communities; Online health communities; Success of online communities; Valuation
    Country: Hungary

80. Online Teaching Communities: Separating Myth from Reality [View Paper]
    Author: Rosenbaum, Howard
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Collective action; Communication technologies; Movement; Online e-learning communities; Social informatics
    Country: United States of America

81. Paradise Lost? Primary Empathy in Online Communities of Interest and Ways of Use [View Paper]
   Author: Lambropoulos, Niki
   Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
   Keywords: Empathy; Interface design; Online communities of interest; Self-organized learning by observation in social contexts; Usability
   Country: United Kingdom

82. Patient-Oriented Design of Online Support Communities [View Paper]
   Author: Krcmar, Helmut; Leimeister, Jan Marco
   Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
   Keywords: Community engineering; Development; Health; Online communities; Requirements Engineering
   Country: Germany

83. Patterns to Promote Individual and Collective Creativity [View Paper]
   Author: Thomas, John C.
   Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
   Keywords: Collaboration; Creativity; Innovation; Pattern language; Socio-technical
   Country: United States of America

84. The Perception and Experiences of Virtual World by the Context of Gamers in Real World, in Case of Korean and Japan: Different Perception of On-Line Game World by Real World Cultural Context in Korea & Japan [View Paper]
   Author: Chang, Geun Young; Kim, Jee Yon; Whang, Leo Sang-Min
   Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
   Keywords: Community oriented player; Lifestyle; Lineage; Off real world player; Single oriented player
   Country: Korea

85. Physical Health Problems Related to Computer Use in Hong Kong [View Paper]
   Author: Szeto, G.P.Y.
   Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
   Keywords: Children and computers; Home computers; Office ergonomics; Physical health; Work-related musculoskeletal disorders
   Country: Hong Kong

86. Pioneering Usability in Indonesia: Exploring the Challenges [View Paper]
   Author: Sari, Eunice Ratna; Tedjasaputra, Adi B.
   Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
   Keywords: Asia; Challenge; Cultural factors; Indonesia; Usability
   Country: Indonesia

87. Potentials and Benefits of Patient Communities from a German Perspective [View Paper]
   Author: Krcmar, Helmut; Leimeister, Jan Marco
   Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
   Keywords: Health; Online communities; Patient; Potentials and benefits; Virtual community
   Country: Germany

88. A Preliminary Investigation of Alien Presence [View Paper]
   Author: Mateas, Michael; Romero, Mario
   Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
   Keywords: Alien presence; Ambient intelligence; Expressive AI; Interactive digital art; Ubiquitous Computing
   Country: United States of America

89. Presence, Community and Immersion in Hybrid Learning Environments [View Paper]
   Author: Gay, Geri; Hancock, Jeff; Odom-Reed, Peggy R.

Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Hybrid systems; Immersion; Learning outcomes; Sense of community; Social presence
Country: United States of America

90. Privacy in Collaboration: Managing Impression [View Paper]
Author: Kobsa, Alfred; Patil, Sameer
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Awareness; Collaboration; Impression management; Instant Messaging (IM); Privacy
Country: United States of America

91. Products Interface Design: Cultural Design [View Paper]
Author: Dejean, Pierre-Henri
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Cultural factors; Guidelines for design; Man-machine interface design; Methodology for design; Tools
Country: France

92. Questioning the Implicitness: Issues in Developing and Testing Mobile Devices for International Markets [View Paper]
Author: Quaet-Faslem, Pia; Rocha, Mario A. Moreno; Sturm, Christian
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Cognition; Cross-cultural; Culture; Mobile devices; Usability Engineering
Country: Germany; Mexico

93. Reading and Writing Collaborative Creative Presence [View Paper]
Author: Costello, Brigid; Edmonds, Ernest; Weakley, Alastair
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Collaboration; Creative presence; Creativity; Presence; Remote working
Country: Australia

94. Recapturing What Was Lost: Re-Emphasizing Locality in Social Interactions on the Net [View Paper]
Author: Hou, Weimin; Lutters, Wayne G.
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Computer-Mediated Communication (CMC); Locality; Online communities; User experience; Web design
Country: United States of America

95. Remote Spaces for Real-Time Collaborative Musical Performance [View Paper]
Author: Schober, Michael F.
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Co-presence; Joint action; Musical coordination; Performance; Video-mediated communication
Country: United States of America

96. Respecting Difference: Developing Governance of International Online Student Collaboration [View Paper]
Author: Bell, Frances; Coates, Nicola J.; Zaitseva, Elena
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Dialogue support; Online collaboration; Online learning communities; Support for communication; Universe of discourse
Country: United Kingdom

97. Role of Community Support in Coping with Chronic Diseases: A Case Study of Diabetes Support Group [View Paper]
Author: Mamykina, Lena; Mynatt, Elizabeth D.

Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Diabetes; Online communities; Patient; Support group; Ubiquitous Computing
Country: United States of America

98. The Roles and Effects of Active Lurking in In-House Online Communities [View Paper]
Author: Fujimoto, Masakazu; Takahashi, Masamichi; Yamasaki, Nobuhiro
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Evaluation; Lurker; Lurking; Management; Online communities
Country: Japan

99. Sociability and Usability for Contribution Based on Situated Informal Learning and Consensus Knowledge Building in Online Communities [View Paper]
Author: Lambropoulos, Niki
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Consensus knowledge building; Contribution and active participation process; Legitimate peripheral participation; Situated informal learning; Sociability and usability evaluation criteria catalogue
Country: United Kingdom

100. Social Creativity: Making All Voices Heard [View Paper]
Author: Fischer, Gerhard
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Communities of interest; Design; Diversity; Social creativity; Socio-technical environments
Country: United States of America

101. Social Learning Within Online Support Communities: The CHESS Experience [View Paper]
Author: Harris, Linda; Shaw, Bret; Witherly, Jeffre
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: CHESS; Communities of practice; International communication; Situated learning; Social learning
Country: United States of America

102. Social Positioning: Designing the Seams Between Social, Physical and Digital Space [View Paper]
Author: Hook, Kristina; Rudstrom, Asa; Svensson, Martin
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Bluetooth presence; Collaborative filtering; Location awareness; Seamfulness; Social positioning
Country: Sweden

103. Software Engineering for Global Markets a "System Test" Cultural and Regional Perspective [View Paper]
Author: O'Sullivan, Patrick J.M.
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Globalization; Internationalization; Process models; Software development; System test
Country: Ireland

104. Solitary Collaboration Across Cultures: A Qualitative Examination [View Paper]
Author: Milewski, Allen E.; Mullinix, Bonnie B.
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Collaboration; Culture; Global software development; Qualitative methods; Software engineering
Country: United States of America

105. The Study Design of a Cross-Cultural Instant Messaging Study [View Paper]
Author: Hou, Weimin; Komlodi, Anita; Preece, Jennifer
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Computer-Mediated Communication (CMC); Cross-cultural communication; Culture; Information and Communication Technology; Instant Messaging (IM)

Country: United States of America

106. The Study of Cultural Interface in Taiwan Aboriginal Twin-Cup [View Paper]
Author: Cheng, Hong; Lin, RungTai; Wu, Tyan-Yu
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Cultural interface; Ergonomics; Operational interface; Product design; Taiwan Aboriginal Culture
Country: People's Republic of China

107. Supporting Children's Cross-Cultural, Cross-Language Communication [View Paper]
Author: Druin, Allison; Elkiss, Aaron; Komlodi, Anita; Liao, Sabrina; Preece, Jennifer; Resnik, Philip; Stanziola, Enrique; Swartz, Roya; Zahn, Lingling
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Child-friendly design; Children; Cross-cultural communication; Cross-language communication; International Children's Digital Library
Country: United States of America

108. Supporting Rapid Ethnography for HCI Field Research with Pair Writing [View Paper]
Author: Sari, Eunice Ratna; Tedjasaputra, Adi B.
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Ethnographic methods; Ethnography; Fieldwork; Human-Computer Interaction (HCI); Pair writing
Country: Indonesia

109. Synthesizing a Superorganization Out of Community Processes [View Paper]
Author: Flor, Nick V.
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Autonomous operation; Community processes; Internet community; Superorganization; Vector analysis
Country: United States of America

110. A Tale of Two Cultures: Explorations in the Meaning of Culture in Ethnographic Research in Information Systems [View Paper]
Author: Balka, Ellen
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Culture; Ethnography; Field studies; Human-Computer Interaction (HCI); Interactions with computers
Country: Canada

111. Teamwork Skills Training for Medical Practitioners [View Paper]
Author: Brunye, Tad; Entin, Eileen; Lai, Fuji; Mizrahi, Gilbert; Neal, Lisa; Sidman, Jason
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Course design; Formal and informal learning opportunities; Online courses; Online learning communities; Teamwork Skills
Country: United States of America

112. Text Messaging to the Home with TxtBoard [View Paper]
Author: Harper, Richard; Jansen, Marcel; O'Hara, Kenton; Sharpe, Bill; Unger, Axel; Wilkes, James
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Home; Mobile phones; Pubic display; Situated display; SMS
Country: Germany; United Kingdom

113. To Learn Is to Know: Teaching, Communities, Social Capital and Knowledge Management Technologies [View Paper]
Author: Hoadley, Christopher M.
Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
Keywords: Alternative models of knowledge; Educational reform; Knowing; Learning; Online communities
Country: United States of America

114. Towards a Design Theory for Community Information Systems [View Paper]
    Author: de Moor, Aldo
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Communities; Design theory; Information systems; System dynamics; Theory development
    Country: Belgium

115. Towards Culture-Centred Design – A Metaphor in HCI [View Paper]
    Author: Prior, Stephen D.; Shen, Siu-Tsen
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: CCD; Cultural factors; Culture-centered design; Design; Garden Metaphor
    Country: People's Republic of China; United Kingdom

116. Towards Supporting Community Information Seeking and Use [View Paper]
    Author: Gurstein, Mike; Nnadi, Nkechi
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Collaborative information retrieval; Community informatics; ICTs; Information seeking; Information sharing
    Country: United States of America

117. Towards Usable Visual Data Mining Environments [View Paper]
    Author: Badjio, Edwige Fangseu; Poulet, Francois
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Data mining; Interactive display; Software engineering; Usability analysis; Visualization
    Country: France

118. Ubiquitous Computing: A Research for Mobile Communication [View Paper]
    Author: Akoglu, Canan
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Handheld devices; Interaction; Mobility; Product choice; Usability
    Country: Turkey

119. Usability Engineered Products and Services [View Paper]
    Author: Kobayashi, Tadashi
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Accessibility; Software developer; Universal design; Usability; Usability-minded
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    Author: Quaet-Faslem, Pia
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
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    Author: Cheok, Adrian David; Furness, Thomas
    Volume: Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation
    Keywords: Human-Computer Interaction (HCI); Usability
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Author: [Lee, Young Seok](#); [Nussbaum, Maury A.](#); [Ryu, Young Sam](#); [Shin, Dong Jae](#); [Smith-Jackson, Tonya L.](#); [Tomioka, Kei](#)
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Author: [Akar, Evren](#); [Attema, Jelle](#); [Berkman, Ali Emre](#); [Erbug, Cigdem](#); [Maguire, Martin](#); [McDonagh, Deana](#); [Vermeeren, Arnold P.O.S.](#)
Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation](#)
Keywords: [Collaborative approach](#); [Design testing](#); [Evaluator effect](#); [Expert evaluation](#); [Usability testing](#)
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Author: [Gould, Emilie W.](#)
Volume: [Volume 10 - Internationalization, Online Communities and Social Computing: Design and Evaluation](#)
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Author: [Kommers, Piet](#)
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Author: Maloney-Krichmar, Diane; Preece, Jennifer
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Keywords: Culture; Health information; Health online communities; Online communities; Success of online communities
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Author: Daniels, Mats; Faulkner, Xristine; Newman, Ian
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Keywords: Collaboration; Education; Open-ended international group projects; Problem-based early; Professionalism
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   Author: Ahmad, Ali M.; Reeves, Leah M.; Stanney, Kay M.
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Author: <u>Ahmad, Ali M.</u>; <u>Dawson, Jeffrey W.</u>; <u>Goldiez, Brian F.</u>; <u>Hancock, Peter A.</u>; <u>Stanney, Kay M.</u>
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Author: <u>Bauer, Travis</u>

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Author: Balaban, Carey D.; Frank, Greg; Prinkey, Jarad; Redfern, Mark
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Keywords: Computer workstation; Context parsing; Driving; Orienting response; Seated posture
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26. Automation Etiquette in the Augmented Cognition Context [View Paper]
Author: Dorneich, Michael C.; Mathan, Santosh; Whitlow, Stephen D.
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Author: Barker, Richard A.; Edwards, Richard E.
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Author: Dorneich, Michael C.; Mathan, Santosh; Ververs, Patricia May; Whitlow, Stephen D.
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Author: Hancock, Peter A.; Matthews, Gerald; Tripp, Lloyd; Warm, Joel S.
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Author: Carciofini, Jim; Mazaeva, Natalia; Reusser, Trent; Rye, Jeff; Whitlow, Stephen D.
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    Author: Gustafson, Steven C.; Rizki, Mateen M.; Russell, Chris A.; Webb, Timothy S.; Wilson, Glenn F.
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    Author: Hirakoba, Kohji; Kitamura, Tadashi; Nanjoh, Akihiro
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    Author: Gaillard, Anthony W.K.
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    Author: Belyavin, Andy
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45. Context Modeling as an Aid to the Management of Operator State [View Paper]
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    Author: Kincses, Wilhelm E.
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Author: Gallimore, Jennie J.; Prabhala, Sasanka
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Author: Accettullo, Erin E.; Franke, Jerry; Spura, Thomas M.; Zaychick, Vera
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Author: Berka, Chris; Davis, Gene; Levendowski, Daniel J.; Lumicao, Michelle N.; Ramsey, Caitlin K.; Reeves, Leah M.; Regli, Susan Harkness; Stanney, Kay M.; Tremoulet, Patrice D.
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56. EEG- and Context-Based Cognitive-State Classifications Lead to Improved Cognitive Performance While Driving [View Paper]
Author: Balaban, Carey D.; Braun, Mikio; Bruns, Andreas; Dixon, Kevin R.; Dornhege, Guido; Forsythe, Chris; Hagemann, Konrad; Kincses, Wilhelm E.; Kohlmorgen, Jens; Lippitt, Carl E.; Muller, Klaus-Robert; Schrauf, Michael
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Author: Allen, Stephen C.; Guerlain, Stephanie; Jones, Christopher R.
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58. Enabling Autonomous UAV Co-Operation by Onboard Artificial Cognition [View Paper]
Author: Ertl, Claudia; Schulte, Axel
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59. Enabling Improved Performance Though a Closed-Loop Adaptive System Driven by Real-Time Assessment of Cognitive State [View Paper]
Author: Creaser, Janet I.; Dorneich, Michael C.; Mathan, Santosh; Ververs, Patricia May; Whitlow, Stephen D.
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Author: Mussa-Ivaldi, Ferdinando A.
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Author: Ames, John; Buller, Mark J.; Freund, Beau; Hoyt, Reed W.; Latzka, William
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Author: Picard, Rosalind W.; Reynolds, Carson
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Author: Aktan, Fuat; Luu, Phan; Poolman, Pieter; Schnell, Thomas; Tucker, Don M.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Action regulation; Automaticity; Driver; Electroencephalography; Physiology
Country: United States of America

65. Exploring Human Cognition by Spectral Decomposition of a Markov Random Field [View Paper]

Author: Day, John C.; Hancock, Monte F., Jr.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Context; Human cognition ; Markov random field; Spectral decomposition
Country: United States of America

66. Facial Temperature as a Measure of Operator State [View Paper]
Author: Veltman, Hans J.A.; Vos, Wouter K.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Facial temperature; Infrared imaging; Mental workload; Remote sensing; Workload measure
Country: Netherlands

67. FAUCET: Using Communication Flow Analysis to Diagnose Team Cognition [View Paper]
Author: Kiekel, Preston A.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Communication; Measurement; Team cognition; Team process; Teams
Country: United States of America

68. Feature Saliency Analysis for Operator State Estimation [View Paper]
Author: Russell, Chris A.; Wilson, Glenn F.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Operator functional state; Partial derivative method; Principal component analysis; Saliency analysis; Signal-to-noise ratio
Country: United States of America

69. First Investigations of an fNIR-Based Brain-Computer Interface [View Paper]
Author: Downs, J. Hunter, III; Downs, Traci H.; Proffitt, Dennis R.; Rapoport, Evan D.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Brain; Communication; Interfacing; Locked-in syndrome; Tomography
Country: United States of America

70. fMRI of Virtual Social Behavior: Brain Signals in Virtual Reality and Operational Environments [View Paper]
Author: Mathiak, Klaus; Weber, Rene
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: fMRI methods; Functional magnetic resonance imaging; Interactive perception; Violent video games; Virtual Reality
Country: Germany; United States of America

71. From Disparate Sensors to a Unified Guage: Bringing Them All Together [View Paper]
Author: Marshall, Sandra P.; Weatherhead, James J.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Data; Fusion; Integration; Real-time; Sensors
Country: United States of America

72. The Future of Augmentation Managers [View Paper]
Author: Diethe, Tom
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Adaptive automation; Augmentation manager; Closed-loop systems; Cognitive cockpit; Mitigation strategies
Country: United Kingdom

73. Hemodynamic Response Estimation During Cognitive Activity Using fNIR Spectroscopy [View Paper]
Author: Bunce, Scott; Chance, Britton; Izzetoglu, Kurtulus; Izzetoglu, Meltem; Nioka, Shoko; Onaral, Banu
Volume: Volume 11 - Foundations of Augmented Cognition

Keywords: Anagram solution; Augmented cognition; fNIR spectroscopy; Hemodynamic response estimation; Optical imaging
Country: United States of America

74. Human Interaction with Adaptive Automation: Strategies for Trading of Control Under Possibility of Over-Trust and Complacency [View Paper]
Author: Furukawa, Hiroshi; Inagaki, Toshiyuki; Itoh, Makoto
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Adaptive automation; Automation surprises; Levels of automation; Trading of control; Trust
Country: Japan

75. Human Robot Teams as Soldier Augmentation in Future Battlefields: An Overview [View Paper]
Author: Barnes, Michael J.; Chen, Jessie Y.C.; Cosenzo, Keryl A.; Mitchell, Diane K.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Augmented cognition; Future combat systems; Human-robot interaction; Human-robot team; Military
Country: United States of America

76. Human Temporal Judgment in the Humans-in-Automation Environment [View Paper]
Author: Allender, Laurel; Cassenti, Daniel N.; de Pontbriand, Rene
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Cognition; Human-Computer Interaction (HCI); Team interaction; Temporal cognition; Time design
Country: United States of America

77. Human-Machine Symbiosis Overview [View Paper]
Author: Gasson, Mark; Warwick, Kevin
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Augmentation; Communication; Implant technology; Multi Electrode Array; Neural signals
Country: United Kingdom

78. The Impact of Operator Trust on Monitoring a Highly Reliable Automated System [View Paper]
Author: Bailey, Nathan R.; Scerbo, Mark W.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Automation; Complacency; Monitoring; Reliability; Trust
Country: United States of America

79. Implementation of a Closed-Loop Real-Time EEG-Based Drowsiness Detection System: Effects of Feedback Alarms on Performance in a Driving Simulator [View Paper]
Author: Berka, Chris; Davis, Gene; Levendowski, Daniel J.; Lumicao, Michelle N.; Olmstead, Richard E.; Popovic, Miodrag; Ramsey, Caitlin K.; Westbrook, Philip; Zivkovic, Vladimir T.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Driving performance; Drowsiness; EEG; Feedback alarms; Human-computer interface
Country: Serbia; United States of America

80. Implications of Adaptive vs. Adaptable UIs on Decision Making: Why "Automated Adaptiveness" Is Not Always the Right Answer [View Paper]
Author: Funk, Harry B.; Goldman, Robert P.; Meisner, John; Miller, Christopher A.; Wu, Peggy
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Adaptable automation; Adaptive automation; Decision Making; Human-automation interaction; Playbook
Country: United States of America

81. Implications of Compatibility and Cuing Effects for Multimodal Interfaces [View Paper]
Author: Gray, Rob; Proctor, Robert W.; Spence, Charles; Tan, Hong Z.; Vu, Kim-Phong L.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Compatibility principles; Cross modal attention; Cuing effect; Multimodal displays; Stimulus-response

compatibility
Country: United Kingdom; United States of America

82. Improving Recovery from Multi-Task Interruptions Using an Intelligent Change Awareness Tool
[View Paper]
Author: Smallman, Harvey S.; St. John, Mark
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Attention management; Augmentation; Interruptions ; Situation awareness; Visual display principles
Country: United States of America

83. Information Frames in Augmented Reality Mobile User Interfaces [View Paper]
Author: Biocca, Frank; Lim, Lynette; Mou, Weimin; Owen, Charles; Tang, Arthur; Xiao, Fan
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Augmented reality; Information placement; Mobile interface; Reference frames; Spatial framework
Country: People's Republic of China; United States of America

84. Integration of Human Domains to Enhance Decision Making Through Design, Process, Procedures
and Organizational Structure [View Paper]
Author: Brown, Michael; Dolan, Nancy; Narkevicius, Jennifer McGovern
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Human Systems Integration; Information architecture; Occupational Work; SEAPRINT; Systems engineering
Country: United States of America

85. An Intelligent Deception Verification System [View Paper]
Author: DuRousseau, D.R.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Deception; EEG; Hostile; Interrogation; Psychophysiological
Country: United States of America

86. Investigating the Transition from Novice to Expert in a Virtual Training Environment Using Neuro-
Cognitive Measures [View Paper]
Author: Cohn, Joseph V.; Kruse, Amy A.; Stripling, Roy
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Automaticity; Cognitive; Template; Training; Virtual Environments
Country: United States of America

87. The Invisible Electrode – Zero Prep Time, Ultra Low Capacitive Sensing [View Paper]
Author: Fridman, Igor; Hervieux, Paul; Matthews, Robert; McDonald, Neil J.; Nielsen, Tom
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Bioelectric signals; Capacitive sensing; Epidermal artifact; Insulated bioelectrode; Non-invasive
Country: United States of America

88. "Look Who's Talking": Audio Monitoring and Awareness of Social Context [View Paper]
Author: Bourgeois, Julien; Freudenberger, Jurgen; Heisterkamp, Paul; Lacot, Xavier; Linhard, Klaus; Masson, Guillaume
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Audio monitoring; Automotive; Social context; Speech recognition; Workload
Country: France; Germany

89. A Low-Cost, "Wireless", Portable, Physiological Monitoring System to Collect Physiological
Measures During Operational Team Tasks [View Paper]
Author: Becker, William; Cohn, Joseph V.; Stripling, Roy
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: EEG; PDA; Physiological monitor; Team performance; Wearable

Country: United States of America

90. Maintaining Optimal Challenge in Computer Games Through Real-Time Physiological Feedback
[View Paper]
Author: Liu, Changchun; Rani, Pramila; Sarkar, Nilanjan
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Adaptive computer games; Affective computing; Human-Computer Interaction (HCI); Optimal challenge; Physiological feedback
Country: United States of America

91. Mobile Infospaces: Personal and Egocentric Space as Psychological Frames for Information Organization in Augmented Reality Environments [View Paper]
Author: Biocca, Frank; Fan, Xiao; Mou, Weimin; Owen, Charles; Tang, Arthur
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Augmented cognition; Augmented reality; Human-Computer Interaction (HCI); Spatial cognition; Spatial Interface Guideline
Country: People's Republic of China; United States of America

92. Modeling Human Recognition of Vehicle-Driving Situations as a Supervised Machine Learning Task
[View Paper]
Author: Dixon, Kevin R.; Forsythe, J. Chris; Lippitt, Carl E.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Adaptive systems; Automated knowledge capture; Automotive; Cognitive model; Context modeling
Country: United States of America

93. Modeling, Measuring, and Improving Cognition at the Team Level [View Paper]
Author: Diedrich, Frederick J.; Entin, Elliot E.; Freeman, Jared; MacMillan, Jean; Weil, Shawn A.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Augmented cognition; Command and control; Team performance; Teams; Teamwork
Country: United States of America

94. Models and Model Biases for Automatically Learning Task Switching Behavior [View Paper]
Author: Lane, Terran; Link, Hamilton; Magliano, Joseph P.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Context switching ; DBN; Machine learning; Semi-Markov; User modeling
Country: United States of America

95. A Modular Architecture for Integrating Cognitive, Communicative, and Situated Behavior
[View Paper]
Author: Luperfoy, Susann; Myers, Bradley
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Cognitive modeling; Context representation; Discourse level processing; Modular architecture; Spoken dialog agents
Country: United States of America

96. Modular Design for Augmented Cognition Systems [View Paper]
Author: Marshall, Latosha; Raley, Colby
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Architecture; Modular; Platform; Requirements; Validation
Country: United States of America

97. Modular Software for an Augmented Cognition System [View Paper]
Author: O'Neill, Kenneth

Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Augmentation manager; Augmented cognition; Modular architecture; Modular software; Operator-machine interface
Country: United States of America

98. Molecular Genetics of Augmented Cognition [View Paper]
Author: Greenwood, Pamela; Parasuraman, Raja
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Alleles; Cognition; Genetics; Human genome; Individual differences
Country: United States of America

99. Monitoring of Dual Coded Information: The Impact of Task Switching [View Paper]
Author: Brown, Christine M.; Kobus, David A.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Bisensory; Multimodal; Redundant signals effect; Response time; Task-switching
Country: United States of America

100. Multi-Modal Interfaces for Future Applications of Augmented Cognition [View Paper]
Author: Lathan, Corinna; Lockerd, Anna; Vice, Jack
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Dismounted warfighter; Haptic interfaces; Human-machine interface; Multimodal Interfaces; Olfactory stimulation
Country: United States of America

101. Multimodal Interfaces Improve Memory [View Paper]
Author: Proffitt, Dennis R.; Stefanucci, Jeanine K.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Cognitive psychology; Context-dependent memory; Human-computer interface; Memory; Multimodal Interfaces
Country: United States of America

102. Near-Infrared Brain Imaging and Augmented Cognition: A Brief Overview of Advancements, Challenges and Future Developments [View Paper]
Author: Fabiani, Monica; Gratton, Gabriele
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Augmented cognition; Hemodynamic signals; Near infrared light; Neuronal signals; Optical imaging
Country: United States of America

103. Neural Correlates of Simulated Driving: Auditory Oddball Responses Dependent on Workload [View Paper]
Author: Greenlee, Mark W.; Raabe, Markus; Rutschmann, Roland M.; Schrauf, Michael
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Evoked potential; Functional MRI; Neural correlates of workload; P3-component; Simulated driving
Country: Germany

104. Neuro-Ergonomics Support from Bio- and Nano-Technologies [View Paper]
Author: de Pontbriand, Rene
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Biotechnology; Human-system interfaces; Nanotechnology; Neuroergonomics; Neuroscience
Country: United States of America

105. Neuroergonomics: An Overview of Research and Applications [View Paper]
Author: Parasuraman, Raja
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Brain function; Ergonomics; Human Factors; Neuroergonomics; Neuroscience

Country: United States of America

106. Neurophysiologic Measures for Neuroergonomics [View Paper]
    Author: Gevins, Alan; Smith, Michael E.
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Adaptive automation; Electroencephalography; Mental workload; Neuroergonomics; Sleep deprivation
    Country: United States of America

107. A New Approach to fNIR: The Optical Tomographic Imaging Spectrometer [View Paper]
    Author: Downs, J. Hunter, III; Downs, Traci H.; Nishimura, Erin; Robinson, William; Stautzenberger, J. Patrick
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Continuous-wave; functional Near-InfRared (fNIR); Neuronal activity; Optical imaging; Real-time
    Country: United States of America

108. Non-Invasive Measurement of Functional Optical Brain Changes [View Paper]
    Author: Fabiani, Monica; Gratton, Gabriele
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Augmented cognition; Brain imaging; Event-related optical signal (EROS); Hemodynamic function; Neuronal function
    Country: United States of America

109. Nonlinear Dynamics Model and Simulation of Spontaneous Perception Switching with Ambiguous Visual Stimuli [View Paper]
    Author: Furstenau, Norbert
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Cognitive multistability ; Coupled attention ; Nonlinear dynamics; Spontaneous perception; Visual stimuli
    Country: Germany

110. On-Line Correction of Artifacts in Cognitive State Gauges [View Paper]
    Author: Luu, Phan; Poolman, Pieter; Tucker, Don M.
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Artifacts; Components; Electroencephalogram; Memory; Workload
    Country: United States of America

111. "Oops, I Did It Again": Using Neurophysiological Indicators to Distinguish Slips from Mistakes in Simulation-Based Training Systems [View Paper]
    Author: Campbell, Gwendolyn E.; Luu, Phan
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Adaptive training; EEG measurement; Error-related negativity; Performance assessment and diagnosis; Simulation-based training
    Country: United States of America

112. Operator in the Loop? Adaptive Decision Support for Military Air Missions [View Paper]
    Author: Cottrell, Rob J.; Dixon, Dave G.; Hope, Tom; Taylor, Robert M.
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Adaptation; Critiquing; Decision support system; Military operations; User requirements
    Country: United Kingdom

113. Operator Performance Under Stress [View Paper]
    Author: Hancock, Peter A.; Oron-Gilad, T.; Szalma, J.L.
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Augmented cognition; Fuzzy signal detection; Individual differences; Stress; Time distortion
    Country: United States of America

114. Overview of the DARPA Augmented Cognition Technical Integration Experiment [View Paper]
    Author: Kobus, David A.; Morrison, Jeffrey G.; Schmorrow, Dylan D.; St. John, Mark
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Augmented cognition; Cognitive state gauges; Mental workload; Multimodal Interfaces; Psychophysiological sensors
    Country: United States of America

115. PACT: Enabling Trust in Adaptive Systems Through Contracted Delegation of Authority [View Paper]
    Author: Taylor, Robert M.
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Adaptable interfaces; Automation; Decision Making; Reliability; Trust
    Country: United Kingdom

116. Performance Augmentation Through Cognitive Enhancement (PACE) [View Paper]
    Author: Morizio, Nick; Thomas, Michael; Tremoulet, Patrice D.
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Adaptation; Augmentation; Cognition; Cognitive state; Performance
    Country: United States of America

117. Postural Measurements Seated Subjects as Gauges of Cognitive Engagement [View Paper]
    Author: Balaban, Carey D.; Frank, Greg; Prinkey, Jarad; Redfern, Mark
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Driving; Orienting response; Seated posture; Situational awareness; Workload gauge
    Country: United States of America

118. Potential Predictors of Errors in Shooting Judgment and Cognitive Performance [View Paper]
    Author: Atkins, Valerie; Burge, Bob; Meyerhoff, James L.; Norris, William; Saviolakis, George A.; Spielberger, Charles D.; Wollert, Terry
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Augmented cognition; Cognition; Physiology; Shooting judgment; Stress
    Country: United States of America

119. Preattentive Crossmodal Information Processing Under Distraction and Fatigue [View Paper]
    Author: Ackermann, Hermann; Hertrich, Ingo; Lutzenberger, Werner; Mathiak, Klaus; Swirszcz, Krystyna; Zvyagintsev, Mikhail
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Auditory space simulation; Fatigue; Functional imaging; Multisensory integration; Spatial attention
    Country: Germany

120. Psycho-Physiological Sensor Techniques: An Overview [View Paper]
    Author: Matthews, Robert; McDonald, Neil J.; Trejo, Leonard J.
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Augmented cognition; Brain; Cognitive state; EEG; Physiological sensors
    Country: United States of America

121. Recording Options for Brain-Computer Interfaces [View Paper]
    Author: Schalk, Gerwin; Wolpaw, Jonathan R.
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Brain-computer interfaces; Communication; Motor disease; Multiple sclerosis; Neural signals
    Country: United States of America

122. Recreation Embedded State Tuning for Optimal Readiness and Effectiveness (RESTORE)

[View Paper]
Author: Pope, Alan T.; Prinzel, Lawrence J., III
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Psychophysiology; Recreation ; Space; Stress; Training
Country: United States of America

123. Relationships Among Visual Perception, Psychomotor Performance, and Complex Motor Performance in Military Pilots During an Overnight Air-Refueling Simulated Flight: Implications for Automated Cognitive Workload Reduction Systems [View Paper]
Author: Escolas, S.; Hall, S.; Holland, D.; Johnson, D.; Kendall, A.; Redmond, D.; Russo, M.; Santiago, S.; Sing, H.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Augmented cognition; Flight performance; Motor impairments; Psychomotor performance; Visual perception
Country: United States of America

124. Results from a Field Study: The Need for an Emotional Relationship Between the Elderly and Their Assistive Technologies [View Paper]
Author: Miller, Christopher A.; Wu, Peggy
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Anthropomorphism; Automation etiquette; Elder-Care; Robotic pet; Smart home
Country: United States of America

125. Robust Feature Extraction and Classification of EEG Spectra for Real-Time Classification of Cognitive State [View Paper]
Author: Caldwell, John A.; Matthews, Robert; Rosipal, Roman; Trejo, Leonard J.; Wallerius, John
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Cognition; EEG; Fatigue; Monitoring; Performance
Country: Austria; United States of America

126. Scheduling Communications with an Adaptive System Driven by Real-Time Assessment of Cognitive State [View Paper]
Author: Buchwald, Ben; Pratt, Jason; Ververs, Patricia May; Whitlow, Stephen D.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Attention; EEG; Memory; Real-time; Task scheduling
Country: United States of America

127. Sensor-Based Cognitive State Assessment in a Mobile Environment [View Paper]
Author: Adami, Andre; Erdogmus, Deniz; Lan, Tian; Mathan, Santosh; Mazaeva, Natalia; Pavel, Misha; Whitlow, Stephen D.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Classification; Cognitive state; EEG; Machine learning; Mobility
Country: United States of America

128. Session Overview: Foundations of Augmented Cognition [View Paper]
Author: Kruse, Amy A.; Schmorrow, Dylan D.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Adaptive computational systems; Augmented cognition; Cognitive systems; Man-machine symbiosis; Real-time state classification
Country: United States of America

129. Social Psychophysiological Compliance as a Gauge of Teamwork [View Paper]
Author: Henning, Robert A.; Korbelak, Kristopher T.; Smith, Thomas J.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Augmented team cognition; Cybernetics; Psychophysiology; Social cybernetics; Social psychophysiology
Country: United States of America

130. Some Implications and Challenges for "Augmented Cognition" from the Perspective of the Theory of Complex and Cognitive Systems [View Paper]
Author: Hoffman, Robert R.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Cognitive work; Complex cognitive systems; Decision Making; Reductive tendency; Response bias
Country: United States of America

131. Spatial Orienting of Attention Using Augmented Reality [View Paper]
Author: Jerome, Christian J.; Mouloua, Mustapha; Witmer, Bob G.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Attention; Auditory cues; Augmented reality; Head mounted displays; Spatial orientation
Country: United States of America

132. Spatial-Frequency Networks of Cognition [View Paper]
Author: DuRousseau, D.R.; Mannucci, M.A.; Stanley, J.P.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Cognitive Networks; Decision Making; Electroencephalogram; Human-systems; Spatial-Frequency EEG
Country: United States of America

133. Statistical Process Control as a Triggering Mechanism for Augmented Cognition Mitigations [View Paper]
Author: Tollar, Jerry R.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Augmented cognition; control chart; fNIR; Statistical process control; Triggering mechanism
Country: United States of America

134. Stress, Cognition, and Human Performance: A Conceptual Framework [View Paper]
Author: Staal, Mark A.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Cognition; Framework; Human performance; Model; Stress
Country: United States of America

135. A Suite of Physiological Sensors for Assessing Cognitive States [View Paper]
Author: Chin, David N.; Crosby, Martha E.; Ikehara, Curtis S.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Biosensor; Cognitive; Eye tracking; Mouse pressure; Physiological sensors
Country: United States of America

136. Supervising UAVs: Improving Operator Performance by Optimizing the Human Factor [View Paper]
Author: Jansen, Chris; van Breda, Leo; Veltman, Hans J.A.
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Displays; Human Factors; Supervisory control; Tele-operation; Workload
Country: Netherlands

137. Survey of Decision Support Control/Display Concepts: Classification, Lessons Learned, and Application to Unmanned Aerial Vehicle Supervisory Control [View Paper]
Author: Calhoun, Gloria; Draper, Mark; Nelson, Jeremy; Ruff, Heath
Volume: Volume 11 - Foundations of Augmented Cognition
Keywords: Controls; Decision support; Displays; Speech recognition; UAV
Country: United States of America

138. Task Specific Information Processing in Operational and Virtual Environments [View Paper]
   Author: Mathiak, Klaus
   Volume: Volume 11 - Foundations of Augmented Cognition
   Keywords: Augmented reality; Brain imaging; Experimental psychology; Space perception; Virtual Reality
   Country: Germany

139. Telescopic Imaging of PFC Hemodynamic and Metabolic Activities by Remote Sensing NIR Imaging [View Paper]
   Author: Chance, Britton; Wang, Cindy; Zhao, Zhongyao
   Volume: Volume 11 - Foundations of Augmented Cognition
   Keywords: Hemodynamic; Metabolic; NIR; Prefrontal cortex; Remote sensing
   Country: United States of America

140. Tools for Enhancing Team Performance Through Automated Modeling of the Content of Team Discourse [View Paper]
   Author: Foltz, Peter W.
   Volume: Volume 11 - Foundations of Augmented Cognition
   Keywords: Computational linguistics; Content analysis; Discourse analysis; Latent semantic analysis; Team communication
   Country: United States of America

141. Toward Collective Intelligence [View Paper]
   Author: Pentland, Alex "Sandy"
   Volume: Volume 11 - Foundations of Augmented Cognition
   Keywords: Behavior; Collective; Intelligence; Perception; Social
   Country: United States of America

142. Toward Platform Architectures for Modular Cognitive Cockpits [View Paper]
   Author: Austin, Mark
   Volume: Volume 11 - Foundations of Augmented Cognition
   Keywords: Formal method; Object-based development; Platform-based design; Systems engineering; Systems process
   Country: United States of America

143. Training Effects on the Neural Circuits That Support Visual Attention and Multi-Task Performance [View Paper]
   Author: Alvadro, Maritza; Colcombe, Stanley J.; Erickson, Kirk I.; Kim, Jenny S.; Kramer, Arthur F.; Scalf, Paige E.; Wadhwa, Ruchika
   Volume: Volume 11 - Foundations of Augmented Cognition
   Keywords: Attentional capacity; Multi-task performance; Neural circuits; Training; Visual attention
   Country: United States of America

144. Transforming Sensors Into Cognitive State Gauges [View Paper]
   Author: Barker, Richard A.
   Volume: Volume 11 - Foundations of Augmented Cognition
   Keywords: Bottleneck; Cognitive; Cortical ; Gauges; Sensors
   Country: United States of America

145. Trust in Adaptive Automation: The Role of Etiquette in Tuning Trust via Analogic and Affective Methods [View Paper]
   Author: Miller, Christopher A.
   Volume: Volume 11 - Foundations of Augmented Cognition
   Keywords: Adaptive automation; Affect; Etiquette; Human-automation interaction; Trust
   Country: United States of America

146. UCAV Operator Workload Issues Using Adaptive Aiding Systems [View Paper]
    Author: Calkin, Bryan A.
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Adaptive aiding; Adaptive interfaces; Operator perspective; Operator workload; UCAV operator
    Country: United States of America

147. Use of a Dynamic Personality Filter in Discrete Event Simulation of Human Behavior Under Stress and Fatigue [View Paper]
    Author: Frydman, Claudia; Giambiasi, Norbert; Oren, Tuncer I.; Seck, Mamadou; Yilmaz, Levent
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Augmented cognition; Fatigue; Personality filter; Stress
    Country: Canada; France; United States of America

148. Use of Near-Infrared Methods to Augment Cognition [View Paper]
    Author: Fabiani, Monica; Gratton, Gabriele; Low, Kathy
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Augmented cognition; Brain imaging; Event-related optical signal (EROS); Near-infrared spectroscopy (NIRS); Optical imaging
    Country: United States of America

149. User Experience Based Adaptation of Information in Mobile Contexts for Mobile Messaging [View Paper]
    Author: Laarni, Jari; Ravaja, Niklas; Saari, Timo; Turpeinen, Marko
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Emotion and cognition; Mobile contexts; Multimedia messaging; Personalization; User experience
    Country: Finland

150. Using Electrical Brain Potentials and Cerebral Oximetry to Detect G-Induced Loss of Consciousness [View Paper]
    Author: Tripp, Lloyd D.; Wilson, Glenn F.
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Cerebral Oximetry; Electroencephalography; G force; Loss of Consciousness; Neuroergonomics
    Country: United States of America

151. Using Hypermedia to Support Communication in Alzheimer's Disease: The CIRCA Project [View Paper]
    Author: Alm, Normal; Astell, Arlene J.; Campbell, Jim; Dye, Richard; Ellis, Maggie; Gowans, Gary
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Alzheimer's disease; Communication; Hypermedia; Memory; Neurodegenerative disorders
    Country: Scotland

152. Using Modes of Cardiac Autonomic Control to Assess Demands Upon Processing Resources During Driving [View Paper]
    Author: Backs, Richard W.; Lenneman, John K.; Shelley, Jonathon
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Attention; Autonomic space; Cardiovascular; Driving; Simulation
    Country: United States of America

153. Virtual Environments for Localizing Cognitive Impairments in Real Word Tasks [View Paper]
    Author: Rizzo, Matthew; Severson, Joan
    Volume: Volume 11 - Foundations of Augmented Cognition
    Keywords: Cognitive; Human Factors; Neuropsychological; Spatial orientation; Virtual Environments
    Country: United States of America

154. Voices of Attraction [View Paper]
     Author: Caneel, Ron; Madan, Anmol; Pentland, Alex "Sandy"
     Volume: Volume 11 - Foundations of Augmented Cognition
     Keywords: Interest; Prosody; Social signaling; Speech features; Speed-dating
     Country: United States of America

155. Wearable Cognitive Monitors for Dismounted Warriors [View Paper]
     Author: Sampson, James B.
     Volume: Volume 11 - Foundations of Augmented Cognition
     Keywords: Augmented cognition; ECG; EEG; Future warrior; Wearable sensors
     Country: United States of America

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     Author: Agran, Jason; Fabiani, Monica; Gratton, Gabriele; Leaver, Echo; Low, Kathy
     Volume: Volume 11 - Foundations of Augmented Cognition
     Keywords: Brain imaging; Event-related optical signal (EROS); Optical imaging; Preparatory states; Task-switching
     Country: United States of America

157. Will Augmented Cognition Improve Training Results? [View Paper]
     Author: DuRousseau, D.R.; Mannucci, M.A.; Stanley, J.P.
     Volume: Volume 11 - Foundations of Augmented Cognition
     Keywords: Adaptive learning; Adaptive Neural Networks; Cognitive systems; Education technologies; Electroencephalogram
     Country: United States of America

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     Author: Chandrasekar, Raman; Paek, Tim
     Volume: Volume 11 - Foundations of Augmented Cognition
     Keywords: Help and support; Information retrieval; Jargon; User model; Vocabulary mismatch
     Country: United States of America

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Author: Bogarin, Jose; de Abreu, Eduardo Ferreira
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Keywords: Augmented cognition; Distributed systems; Human - Computer Interaction (HCI); Multi-Agent Systems;
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    Author: Gangadharan, Sathya N.; Liu, Dahai; Macchiarella, Nickolas D.; Majoros, Anthony E.; Vincenzi, Dennis A.
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    Author: Schmidt, Regina M.; Swann, Madeline
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    Author: Hori, Masahiro; Kato, Takashi
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Keywords: Eye tracking; Eye-hand coordination; Gaze-controlled interfaces; Selection by looking; Usability testing
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    Author: Stokes, Suzanne
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    Author: Wang, Jun; Wei, Xiaozhou; Yin, Lijun
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Author: Izumi, Hiroyuki; Kasamatsu, Keiko; Kumashiro, Masaharu; Suzuki, Satoshi
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Volume: Posters
Keywords: Expert times; Maximum times; Specification limits; Task times; Usability testing
Country: United States of America

90. How Would You Like Your E-Newspaper? – Converging the Best from Two Worlds [View Paper]
Author: Akesson, Maria; Ihlstrom, Carina; Svensson, Jesper
Volume: Posters
Keywords: Acceptance; Convergence; Design; e-Newspaper; New media
Country: Sweden

91. Human Computer Interaction in a Real Ambient Intelligence Application at Home [View Paper]
Author: Garate, Alfonso; Herrasti, Nati; Lopez, Antonio
Volume: Posters
Keywords: Ambient intelligence; Multimodal user interfaces; Speech user interface; Ubiquitous Computing; Well-being technologies
Country: Spain

92. Human Error Based Learning Method [View Paper]
Author: Djelassi, A. Chaali; Polet, P.; Vanderhaegen, F.
Volume: Posters
Keywords: Barrier removal; Human error; Iterative learning control; Learning system; Risk control
Country: France

93. Human Error Seeds Evaluation Method for Hospital Works [View Paper]
Author: Okada, Yusaku
Volume: Posters
Keywords: Human error; Human error management; Medical treatment; Performance shaping factors; Safety
Country: Japan

94. Human Interface Design for Controlling Home Appliances with Cellular Phones [View Paper]
Author: Lee, Haeinn
Volume: Posters
Keywords: Cellular phone; Experience and emotion design; Graphic elements; Human interface design; Wireless application
Country: United States of America

95. Human Prosocial Response to Facial Expression of Interactive Agent [View Paper]
Author: Hada, Takuro; Takeuchi, Yugo
Volume: Posters
Keywords: CG synthesized face; Facial expression; Psychological experiment; Social interaction; Sympathy
Country: Japan

96. Hyperlogo: A Language Which Provides "Visible" Structure of Processing Programs [View Paper]
Author: Nishioka, Tomoyuki; Yamamoto, Nobuhito
Volume: Posters
Keywords: Hyperlogo; Lambda Closure; Object System; Stratified Design; Turtle Graphics
Country: Japan

97. Identifying the Needs of the Trainee: A Competency Based Approach to Training [View Paper]
Author: Astwood, Randolph S., Jr.; Davis, Fleet; Holness, David O.
Volume: Posters
Keywords: Competency; Feedback; KSAs; MOPs; Training
Country: United States of America

98. An Immersive, Cultural Training System [View Paper]
Author: McCollum, Chris; Rosenzweig, Larry; Souders, Vance
Volume: Posters
Country: United States of America

99. Improving User Trust with a Likelihood Alarm Display [View Paper]
Author: Bliss, James P.; Bustamante, Ernesto A.; Ely, Katherine M.R.; Fallon, Corey K.
Volume: Posters

Keywords: Automation; False alarm; Likelihood alarm display; Reliable; Trust
Country: United States of America

100. Integrated MultiEnvironment Operator Support System (IMEOS©) [View Paper]
Author: Fraser, William; Gee, Tom; Kozak, Ed
Volume: Posters
Keywords: Analysis; Dataflow; Guardian; Real-time; Signals
Country: Canada

101. The Interaction Between ICT and Psychosocial Life Environment: From Young Urban Knowledge Workers to Students in School [View Paper]
Author: Danielsson, K.; Danielsson, U.
Volume: Posters
Keywords: ICT; Life role; Psychosocial life environment; Student; Young urban knowledge worker
Country: Sweden

102. An Interactive Hybrid Swarm Optimization [View Paper]
Author: Dozier, Gerry; Hou, Haiyu; Luo, Qing
Volume: Posters
Keywords: Hybrid algorithm; Interactive optimization; Particle swarm intelligence; Population-based algorithm; Smiley face
Country: United States of America

103. Interactive Image Exploration Using Relational Annotated Image-Maps [View Paper]
Author: Gotze, Marcel; Schlechtweg, Stefan
Volume: Posters
Keywords: Automatic creation of figure captions; Image annotation; Interactive image exploration; Object description; Relations between image objects
Country: Germany

104. Interface Design and Intentions to Use Health Information in Low-Income Adults [View Paper]
Author: Barbatsis, Gretchen; Biocca, Frank; Dang, Chi; Fitzgerald, Hiram; Jackson, Linda A.; von Eye, Alexander; Zhao, Yong
Volume: Posters
Keywords: Cognitive style; Cultural adaptations; Health information; Interface design; Low-income users
Country: United States of America

105. Introducing Programming by Demonstration Techniques at the Toolkit Level : A Case Study [View Paper]
Author: Girard, Patrick; Guittet, Laurent; Sanou, Loe
Volume: Posters
Keywords: Programming by Demonstration; Programming by example; Swing; Taxonomy; Toolkit
Country: France

106. Living in the Moment': Developing an Interactive Multimedia Activity System for Elderly People with Dementia [View Paper]
Author: Alm, Normal; Astell, Arlene J.; Campbell, Jim; Dye, Richard; Ellis, Maggie; Gowans, Gary
Volume: Posters
Keywords: Dementia; Engagement; Hypermedia; Touch screen; Virtual Reality
Country: Scotland

107. Machine Support for Human Analogical Reasoning in Case-Method Instruction [View Paper]
Author: Luperfoy, Susann; Myers, Bradley
Volume: Posters

Country: United States of America

108. Maximum Likelihood Approach to Language Identification [View Paper]
Author: Haizhou, Li; Kumar, C. Santhosh; Mohandas, V.P.
Volume: Posters
Keywords: Bhattacharyya distance; Language identification; Multilingual speech recognition; Multilingual spoken language processing; Phone mapping across languages
Country: India; Singapore

109. A Method of Similarity Retrieval for Three-Dimensional Shapes [View Paper]
Author: Kanaya, Takayuki; Kobori, Ken-ichi; Nishio, Koji; Teshima, Yuji
Volume: Posters
Keywords: CAD; CG; Mathematical Morphology; Similarity retrieval; Voxel
Country: Japan

110. Methods for Deriving Customized Content of Adaptive Information [View Paper]
Author: Albers, Michael J.
Volume: Posters
Keywords: Adaptive documentation; Content generation; Multidimensional analysis; Text development; User analysis
Country: United States of America

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Author: Dillenbourg, Pierre; Girardin, Fabien; Nova, Nicolas
Volume: Posters
Keywords: Annotations; CSCW; Location awareness; Mobile computing; Tablet PC
Country: Switzerland

112. Mobile Interactive Knowledge Elicitation (MIKE) – Mobile Cyberscience in HCI Methods [View Paper]
Author: Mohamedally, Dean; Petrie, Helen; Zaphiris, Panayiotis
Volume: Posters
Keywords: Affinity diagramming; Card sorting; Mobile; Prototyping; Remote usability testing
Country: United Kingdom

113. The Mobile, Computer-Aided, Multimedia-Based Learning Application - Mobile Learning Engine (MLE) [View Paper]
Author: Meisenberger, Matthias; Nischelwitzer, Alexander
Volume: Posters
Keywords: Computer-aided learning; mLearning; Mobile eLearning; Mobile phone application; Multimedia-based learning
Country: Austria

114. Mobistik - An Effective Small Footprint Mobile Device Communication Method [View Paper]
Author: Murphy, Benjamin W.; Sengupta, Arijit
Volume: Posters
Keywords: Mobile phone interfaces; Navigation; Pointing devices; Scrolling; Trackpoint
Country: United States of America

115. Model Based Web Interfaces' Analysis [View Paper]
Author: Campos, Jose Creissac
Volume: Posters
Keywords: Automated reasoning; Model based design; Model checking; Usability analysis; Web interfaces
Country: Portugal

116. Modeling User Delay Perception and Tolerance Dynamics in Human-Computer Interaction
[View Paper]
Author: Caldwell, Barrett S.; Wang, Enlie
Volume: Posters
Keywords: Active control; Delay perception; Delay tolerance; Human - Computer Interaction (HCI); Passive experience
Country: United States of America

117. Multisensory Cueing for Enhancing Orientation Information During Flight [View Paper]
Author: Albery, William B.
Volume: Posters
Keywords: 3D audio; Countermeasures; Multisensory; Spatial disorientation; Tactile cues
Country: United States of America

118. Music Design Assistance Using Examples [View Paper]
Author: Katayose, Haruhiro
Volume: Posters
Keywords: Contents production; Design assistance; Example; Music; Nonverbal media
Country: Japan

119. A Novel Integrated Deception Recognition System Using 3D/Thermal Imaging and
Acoustic/Biosensor Analysis [View Paper]
Author: Yi, Steven
Volume: Posters
Keywords: 3D image processing; 3D thermal imaging; Biosensor; Concealed intent recognition; Deception recognition
Country: United States of America

120. NuWAM: The Development of a Modular, Real-Time Augmented Cognition System [View Paper]
Author: Krizo, Erin J.; Russell, Chris A.; Wilson, Glenn F.
Volume: Posters
Keywords: Analysis; Augmented cognition; Modular; Physiological Measure; Real-time
Country: United States of America

121. On the Use of the Educational Media for Immigrant Children in the US: The Native Language
Maintenance and the Learning of English as a Second Language [View Paper]
Author: Kakefuda, Aya; Kurosu, Masaaki
Volume: Posters
Keywords: Educational media; English as a second language; Immigrant children; Language acculturation; Native language
Country: Japan

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Systems [View Paper]
Author: Sotiria, Drivalou
Volume: Posters
Keywords: Adaptation; Complex systems; Interface design; Openness; Transparency
Country: Greece

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Training Intervention Matrix (TIMx) [View Paper]
Author: Astwood, Randy S.; Dalton, Joseph M.; Kinzer, James E.; Moroge, Jessica L.; van Buskirk, Wendi L.
Volume: Posters
Keywords: Instructional strategies; Military training; Scenario-based Training; Taxonomy; Virtual Environments
Country: United States of America

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    Author: Lee, S.; Lim, C.J.
    Volume: Posters
    Keywords: Checklist; e-Learning; Human - Computer Interaction (HCI); Pedagogy; Usability
    Country: Korea

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    Author: Kasdorf, Myrna R.
    Volume: Posters
    Country: United States of America

126. The Persuasive Mirror: Computerized Persuasion for Healthy Living [View Paper]
    Author: del Valle, Ana C. Andres; Opalach, Agata
    Volume: Posters
    Keywords: Augmented reality; Captology; Computer vision; Mirror interfaces; Persuasion
    Country: France

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    Author: Baldwin, Carryl L.; Freeman, Frederick G.; May, Jennifer Freeman
    Volume: Posters
    Keywords: Adaptive automation; Driver state monitoring; Driving; EEG; Fatigue
    Country: United States of America

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    Patterns [View Paper]
    Author: Leshed, Gilly
    Volume: Posters
    Keywords: Anonymity; Behavior models; Lurkers; Online communities; Posters
    Country: United States of America

129. The Potential Societal Impact of Augmented Cognition [View Paper]
    Author: Koltko-Rivera, Mark E.
    Volume: Posters
    Keywords: Affect, motivation, personality; Artificial intelligence; Augmented cognition; Brain mapping; Cognitive status,
    state, and function
    Country: United States of America

130. Privacy and Security in an On-Line Social Housing Community [View Paper]
    Author: Keeling, Kathy; Macaulay, Linda A.; McGoldrick, Peter
    Volume: Posters
    Keywords: Guidelines; Online communities; Privacy; Security; Social community
    Country: United Kingdom

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    Author: Lee, Kun-Pyo; Oh, Ki-Tae
    Volume: Posters
    Keywords: Interaction; Login; Observation; Real-time; Software
    Country: Korea

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Environment [View Paper]
Author: Baker, Anthony; Baxter, Leslie C.; Kahol, Kanav; McDaniel, Troy; Panchanathan, Sethuraman; Tripathi, Priyamvada
Volume: Posters
Keywords: Haptic system; Multimodal environment; Neural rehabilitation; Unilateral neglect; Virtual Reality
Country: United States of America

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Author: Cesarini, Mirko
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Volume: Posters
Keywords: Cognitive workload; Distributed cognition; Resource coordination; Situation assessment; Team cognition
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Author: Jim, Guiha; Kageyama, Akinori; Onitsuka, Yasuhiko; Saga, Ryosuke; Tsuji, Hiroshi
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Country: Japan

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Keywords: Gesture recognition; Japanese sign language; Neural networks; Trace recognition; Virtual Reality
Country: Japan

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Author: Hill, Katya; Liffick, Blaise W.; Romich, Barry
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Keywords: Assistive Technology; Computer science education; Disabilities; Human - Computer Interaction (HCI); Software
Country: United States of America

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Author: de Abreu, Eduardo Ferreira
Volume: Posters
Keywords: Expert systems; Inference motor; Knowledge base; Step from development; When to use ES
Country: Brazil

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 Author: de Abreu, Eduardo Ferreira; Sousa, Vilma Maria
 Volume: Posters
 Keywords: Children; Hospital public; Maternal public; Pedagogic; Pedagogy techniques
 Country: Brazil

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 Author: de Abreu, Eduardo Ferreira; Januario, Liduina Kenya Fernandes
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 Keywords: Human Artificial; Human learning; Human Neuron Natural; Nets Artificial Neural; Nets Natural Neural
 Country: Brazil

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 Author: Tu, Yung-Hsiang; Wu, Chih-Fu; Yeh, I-Ting
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 Keywords: Depicting level; Haptic picture; Industrial design; Tactile picture; Visual impairment
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144. A Study on Designer's and User's Perception for the User Interface Design of Computerized Product [View Paper]
 Author: Giard, Jacques R.; Jung, Kwang Tae
 Volume: Posters
 Keywords: Multi dimensional scaling; Perceptual map; Subjective evaluation; Usability; User interface
 Country: Korea; United States of America

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 Author: Kim, Changsu; Lee, Eunjong; Stappers, Pieter Jan
 Volume: Posters
 Keywords: Framework; Human behavior; Service level; Smart home; Ubiquitous Computing
 Country: Netherlands; South Korea

146. A Study on Integrated Support Tool for Web Interface Design and Web Development Project [View Paper]
 Author: Konosu, Tsutomu; Matsuzawa, Ryuichiro; Sekijima, Hiroyuki
 Volume: Posters
 Keywords: Factors analysis; Project management; Support tool; Team building; Web development
 Country: Japan

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 Author: Chao, Chia-you; Ma, Min-yuan; Nagata, Takashi
 Volume: Posters
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 Country: Japan; Taiwan

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 Author: Jeong, Sang-Hoon; Lee, Kun-Pyo
 Volume: Posters
 Keywords: Emotional words; Usability; User interface design; User's emotions; Using products

Country: Korea

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Author: Sari, Eunice Ratna; Tedjasaputra, Adi B.
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Keywords: Collaboration; Pair writing; Persona; Scenarios; Stakeholder
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Author: Alexander, Sommer; Getto, Carl; Struck, Rhonda; Zimmerman, David
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151. Survey of Recognition and Adaptation Strategies for User Adaptive Systems [View Paper]
Author: DeKoven, Elyon; Knudsen, Keith; Zaientz, Jack
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Keywords: Adaptation problem; Intelligent user interfaces; Recognition problem; User adaptive loop; User adaptive systems
Country: United States of America

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Keywords: Multimedia database; Multimedia retrieval; Software platform; Subjective evaluation modeling; System development methodology
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Volume: Posters
Keywords: Bar code; Prision control; Safety; Security; Violence
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Author: Kim, Mijeong; Kim, Minchul; Kim, Sang-Whan; Seong, Kiae
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Keywords: Classification of gesture applications; Gesture interaction categorization; Gesture interaction design; Gesture interface design method; Tablet PC
Country: Korea

155. Systematic Usability Inspection of Web Based "Business Processes" [View Paper]
Author: Garzotto, Franca; Perrone, Vito
Volume: Posters
Keywords: Abstract tasks; Usability heuristics; Usability inspection method; Web applications; Web business process
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156. Tamoa - Task Model Analyser a Java-Based Framework for the Analysis of Safety-Critical Computer Systems to Reveal Safety-Critical Sections in the System's Design Phase [View Paper]
Author: Mistrzyk, Tomasz; Zeiger, Bjorn
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Keywords: Design phase; Fault tree analysis; Task Analysis; Task model; Topic map
Country: Germany

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Author: Giampapa, Joseph; Lewis, Michael; Scerri, Paul; Srinivas, Samvith; Sycara, Katia
Volume: Posters
Keywords: Cooperation; Decision Making; Distributed simulation; NASA; Team cognition
Country: United States of America

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Author: Gandhi, Rakhi; Soong, Norman L.
Volume: Posters
Keywords: Audible user interface; Human - Computer Interface; Telephone access of computer based information; Usability; VoiceXML
Country: United States of America

159. Testing AudioBrowser [View Paper]
Author: Campos, Jose Creissac; Fernandes, Antonio Ramires
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Keywords: Accessibility; Talking browser; Transcoding; Usability study; Web browsing
Country: Portugal

160. Text-Based Communication Enhanced by Sharing Human Senses of Values Based on the Agreement Strength of Responding Phrases [View Paper]
Author: Ihara, Masayuki; Kobayashi, Minoru
Volume: Posters
Keywords: Agreement/disagreement; Human sense of values; Mutual understanding; Opening phrase; Text-based communication
Country: Japan

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Author: Fukuyo, Tsuneo; Shinohara, Kazuhiko; Yamauchi, Yasushi
Volume: Posters
Keywords: 3D endoscopy; Binocular stereopsis; Endoscopic surgery; Fatigue; Performance
Country: Japan

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Author: Koltko-Rivera, Mark E.
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Keywords: Augmented cognition; General Psychology; Philosophical Psychology; Theoretical Psychology; Theory
Country: United States of America

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Author: Baranauskas, M. Cecilia C.; Soares, Silvia C. de Matos
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Keywords: Customization; Participatory design; Semiotics; Web applications interfaces; Website for children
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Author: Bomsdorf, Birgit
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Keywords: Adaptation; Context; Framework; Mobile learning; Web-based learning space
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Author: Kim, Jinsook; Poggenpohl, Sharon
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Author: Faulkner, John P.E.; Young, Mark S.
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Author: Kanda, Kazuyuki; Nagashima, Yuji; Terauchi, Mina; Watanabe, Eishi
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Keywords: Conversation analysis; Interposition; Non-manual signals; Sign Language; Turn-taking
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Author: van der Vyer, A.G.
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Keywords: Genre; Hypertext; Subgenre; Typology; Website
Country: South Africa

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Author: Eibl, Maximilian; Koch, Ute
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Keywords: Classification; Information and documentation; Intercultural design; Internationalization; Multilingual Thesaurus
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Author: Kao, Shih-An; Tang, Hsien-Hui
Volume: Posters
Keywords: Cognitive psychology; Elderly people; Mobile concepts; Mobile phone; User model
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Author: Nigam, Avishek; Vieira Turnell, Maria de Fatima Queiroz
Volume: Posters
Keywords: Hybrid Usability Evaluation Approach; Product usability evaluation; User opinion; User performance; User reactions analysis
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173. The Usability Improvement Process During Electric Product Development [View Paper]
Author: Koh, Bong K.; Lee, Hee-seok; Won, Seol-hye
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Keywords: Electronic product; Home appliance; Localization; Usability Evaluation; User test
Country: Korea

174. Usability of Synchronous Communication Software in Instructional Context [View Paper]
Author: Erbug, Cigdem; Ersoy, Halil
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Keywords: Chat software; Communication modality; Instructional Context; Synchronous communication; Usability Evaluation
Country: Turkey

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Author: Erbug, Cigdem; Gultekin, Pelin
Volume: Posters
Keywords: Consumer products; Digital technology; Home context; Interactive TV; Usability
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176. User Centered Design of Multimodal Interfaces for Use in Hybrid Shopping Environments [View Paper]
Author: Berger, Thomas; Joeckel, Thomas; Khakzar, Karim
Volume: Posters
Keywords: Augmented reality; e-Commerce; Hybrid Shopping Environment; Usability tests; Virtual Mirror
Country: Germany

177. User Information Guidance in Public Transportation Systems [View Paper]
Author: Lemarchand, Claude; Morizet-Mahoudeaux, Pierre; Mouloudi, Assia; Valentin, Annette
Volume: Posters
Keywords: Data analysis; Information assessment; Traveler Information System; Usability; Users needs identification
Country: France

178. User Modelling for Adaptive E-Shopping [View Paper]
Author: Savvopoulos, Anastasios; Virvou, Maria
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Author: Andrew, Ian; Cox, Matthew; Turner, Mark; van Laar, Darren
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Country: United Kingdom

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Author: Gaffar, Ashraf; Moha, Naouel; Seffah, Ahmed
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Keywords: HCI patterns; Pattern Tools; Pattern-Oriented Design; Patterns; Patterns as Design Clusters
Country: Canada

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Author: Holzinger, Andreas; Meisenberger, Matthias; Nischelwitzer, Alexander
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Author: Mont'Alvao, Claudia
Volume: Posters
Keywords: Ergonomics; Non-mother language; Software usability; Task Analysis; Toolbars
Country: Brazil

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Author: Khasawneh, Mohammad T.; Sichtig, Heike
Volume: Posters
Keywords: Brain tumor detection; Brain waves measurement; Eye tracking; Medical diagnostics; MRI
Country: United States of America

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Author: Bradshaw, Jeffrey M.; Jeffers, Renia; Johnson, Matthew; Kulkarni, Shriniwas; Raj, Anil; Uszok, Andrzej
Volume: Posters
Keywords: Augmented cognition; Distributed systems; KAoS; Multi-Agent Systems; Policies
Country: United States of America

185. UTGeR: A User-Independent Technique for Gesture Recognition [View Paper]
Author: Parvini, Farid; Shahabi, Cyrus
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Keywords: Gesture; Human sensor data; Range-of-motion; Recognition; User-independent
Country: United States of America

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Author: Becking, Dominic; Betermieux, Stefan; Schlageter, Gunter
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Keywords: Degree of synchronicity; Evaluation; Seminar; Systematic analysis; Virtualization
Country: Germany

187. A Visual Environment for Tuning a Content-Based Vector Image Retrieval Engine [View Paper]
Author: Di Mascio, Tania; Frigioni, Daniele; Tarantino, Laura
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Keywords: CBIR; Invariant moments; SVG; Tuning evaluation; Vector images
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188. Web LOG File Information Analysis and Visualization Inside Organizations [View Paper]
Author: Mealha, Oscar; Nunes, Jose; Santos, Beatriz Sousa; Zamfir, Florin
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Keywords: Data visualization; Human - Computer Interaction (HCI); Information presentation; Intranets; Usability Evaluation
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Author: Chintakovid, Thippaya; Ge, Yan; Shi, Qingxin; Sun, Xiaoning; Zhang, Kan; Zhang, Qiping
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Keywords: Cross-cultural research; Global virtual team; In-group/out-group; Knowledge management; Knowledge sharing

Country: People's Republic of China; United States of America

190. Workflow Oriented Product Design: A Case Study [View Paper]
Author: Koopmann, Thorsten; Nebe, Karsten
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Keywords: Case study; Process; Software development; User-centered design; Workflow
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