

Posters will be spotlighted in the Concourse according to the groupings listed below. Poster authors are scheduled to stand by their posters during the coffee breaks each day.

Doctoral Consortium, Student Design Competition, Student Research Competition, and Workshops posters will be on display throughout the conference. Work-in-Progress posters will only be on display according to their respective groupings on Tuesday and Wednesday (see page 94-98). Thursday is reserved to spotlight the People's Choice Work-in-Progress posters: vote for your top choices during the spotlight sessions from 10:30-11:30 on Tuesday and Wednesday!

Monday (9:00–18:00)

- Doctoral Consortium: posters 1-15
- Student Design Competition: posters 16-27
- Student Research Competition: posters 28-42
- Workshops: posters 43-60

Tuesday (9:00–18:00)

- Work-In-Progress 1: posters 61-104

Wednesday (9:00–18:00)

- Work-In-Progress 2: posters 105-156

Thursday (9:00–16:30)

- People's Choice Work-In-Progress

■ DOCTORAL CONSORTIUM

01 Decision-Making Strategies in Design Meetings

Erin Friess, *Carnegie Mellon University, USA*

02 Authorable Virtual Peers for Children with Autism

Andrea Tartaro, *Northwestern University, USA*

03 Incentive Design for Home Computer Security

Rick Wash, *University of Michigan, USA*

04 Observation-Based Design Methods for Gestural User Interfaces

David Akers, *Stanford University, USA*

05 Bridging the Social-Technical Gap in Location-Aware Computing

Fabien Girardin, *Pompeu Fabra University, Spain*

06 Design and Evaluation of Reduced-Functionality Interfaces

Leah Findlater, *University of British Columbia, Canada*

07 GazeTop: Interaction Techniques for Gaze-Aware Tabletops

David Holman, *RWTH Aachen University, Germany*

08 Connectedness: Support to Communities in Diaspora via ICT

Luis A. Castro, *The University of Manchester, UK*

09 ears))) – A Methodological Framework for Auditory Display Design

Christopher Frauenberger, *Queen Mary College, University of London, UK*

10 Scaffolding Cooperative Multi-Device Activities in an Informal Learning Environment

Leilah Lyons, *University of Michigan, USA*

11 Playing with Fire: Participatory Design of Wearable Computing for Fire Fighters

Markus Klann, *Fraunhofer Institute for Applied Information Technology, Germany*

12 Interaction with User-Adaptive Information Filters. Trust, Transparency, and Acceptance.

Henriette Cramer, *University of Amsterdam, the Netherlands*

13 Evaluating Experience-Focused HCI

Joseph 'Jofish' Kaye, *Cornell University, USA*

14 Supporting Proactive Planning of Multiple Activities

Leonardo Galicia, *CICESE Research Center, Mexico*

15 Sensemaking Handoff: Theory and Recommendations

Nikhil Sharma, *University of Michigan, USA*

■ STUDENT DESIGN COMPETITION

16 THE VVIP SYSTEM – Created to Encourage and Promote the Use of Public Transport in Edinburgh

Darren Thomson, Marius Gylseth, Robert McGarry, Carmen Garcia, *Heriot-Watt University, UK*

17 altVerto: Using Intervention and Community to Promote Alternative Transportation

Martha Gukeisen, David Hutchful, Pieter Kleymeer, Sean Munson, *University of Michigan, USA*

18 Senior Travel Buddies: Sustainable Ride-Sharing & Socialization

William Odom, Meng Li, Scott Jensen, *Indiana University, USA*

19 Facebook Ride Connect

John Booher, Balakrishna Chennupati, Nina Onesti, David Royer, *Indiana University, USA*

20 txt bus: Wait Time Information On Demand

Robert Thompson, Amy Grude, Matthew Scholl, Carl Collins, *University of Michigan, USA*

21 Carpool.UMD – Community Carpooling

John Dobrosielski, Tiffany Gray, Anna Nhan, Martin Stolen, *University of Maryland, College Park, USA*

22 EventStream: Integrated Transit Information System

Aaron Houssian, Pin Sym Foong, Vincent Diaz, Adam Huse, Pornsuree Jamsri, *Indiana University, USA*

23 CarLoop: Leveraging Common Ground to Develop Long-Term Carpools

Joshua Morse, Joshua Palay, Yarun Luon, Satyendra Nainwal, *University of Michigan, USA*

24 EMI: A System to Improve and Promote the Use of Public Transportation

Tonatzin Y. Baños Castellanos, Emmanuel Aquino Pérez, Fernando David Sernas Mora, Yazmín R. López Hernández, Roberto Mendoza Manuel, *Universidad Tecnológica de la Mixteca, Mexico*

25 Ri-Ri: Assisting Bus Conductors in Madras (Chennai)

Arvind Ashok, Christian Beck, Nick Quagliara, *Indiana University, USA*

26 Celerometer and Idling Reminder: Persuasive Technology for School Bus Eco-Driving

Tyler Pace, Shruti Ramalingam, David Roedl, *Indiana University, USA*

27 Journey Planning Based on User Needs

Paul André, Max Wilson, Alisdair Owens, Daniel Smith, *University of Southampton, UK*

■ STUDENT RESEARCH COMPETITION

28 Speed Sonic Across the Span: Building a Platform Audio Game

Michael Oren, *Iowa State University & DePauw University, USA*
Chris Harding, *Iowa State University, University of Houston, & Free University, Berlin, USA & Germany*
Terri Bonebright, *DePauw University & University of Nebraska, USA*

29 The Role of Paralinguistic Voice-Control of Interactive Media in Augmenting Awareness of Voice Characteristics in the Hearing-Impaired

Sama'a Al Hashimi, *Middlesex University, UK*

30 Social Impacts of a Video Blogging System for Clinical Instruction

Amaya Becvar, *University of California, San Diego, USA*

31 An Interface to Aid Rural Health Workers in the Preliminary Diagnosis of Cataract at the Slit Lamp Using LOCS III

Satyendra Nainwal, *University of Michigan, USA*
Pradeep Yammiyavar, *Indian Institute of Technology, Guwahati, India*

32 Visualizing an Enterprise Wiki

Xianghua Ding, *University of California, Irvine, USA*
Catalina Danis, Thomas Erickson, *IBM, USA*

33 Distributed Tabletops: Territoriality and Orientation in Distributed Collaboration

Philip Tuddenham, Peter Robinson, *University of Cambridge, UK*

34 "Let Me Show You What I Want": Engaging Individuals with Cognitive Disabilities and their Families in Design

Melissa Dawe, Gerhard Fischer, *University of Colorado, USA*

35 SciNews Online: Scaffolding the Construction of Scientific Explanations

Sebastian de la Chica, Tamara Sumner, *University of Colorado, USA*

36 Children Distinguish Conventional from Moral Violations in Interactions with a Personified Agent

Nathan Freier, *University of Washington, USA*

37 Towards a New Method of Evaluation for Reality-Based Interaction Styles

Georgios Christou, *Cyprus College, Cyprus*
Frank E. Ritter, *The Pennsylvania State University, USA*
Robert J. K. Jacob, *Tufts University, USA*

38 Providing Affective Information to Family and Friends Based on Social Networks

Wendy Moncur, Ehud Reiter, *University of Aberdeen, UK*

39 Defining High-Throughput Email Users

Joshua Gross, Mary Beth Rosson, *The Pennsylvania State University, USA*

40 The Impact of Digital Iconic Realism on Anonymous Interactants' Mobile Phone Communication

Sin-Hwa Kang, James Watt, Sasi Kanth Ala, *Rensselaer Polytechnic Institute, USA*

41 Towards a Quantitative Analysis of Audio Scrolling Techniques

Eric Lee, Henning Kiel, Jan Borchers, *RWTH Aachen University, Germany*

42 Exploring Tabletop File System Interaction

Trent Apted, Anthony Collins, Judy Kay, *University of Sydney, Australia*

WORKSHOPS

43 Culture and Collaborative Technology

Susan Fussell, *Carnegie Mellon University, USA*
Qiping Zhang, *Long Island University, USA*

44 Exploring Design as a Research Activity

Matthew R. Peters, Helena M. Mentis, Steven R. Haynes, *The Pennsylvania State University, USA*
Abigail Durrant, *University of Surrey, UK*
David J. Saab, *The Pennsylvania State University, USA*

45 Tangible User Interfaces in Context and Theory

Alan Blackwell, *University of Cambridge, UK*
George Fitzmaurice, *University of Toronto, Canada*
Lars Erik Holmquist, *Viktoria Institute, Sweden*
Hiroshi Ishii, *MIT, USA*
Brygg Ullmer, *Louisiana State University, USA*

46 Security User Studies: Methodologies and Best Practices

Serge Egelman, *Carnegie Mellon University, USA*
Jen King, *University of California, Berkeley, USA*
Robert C. Miller, *MIT, USA*
Nick Ragouzis, *Enosis Group LLC, USA*
Erika Shehan, *Georgia Institute of Technology, USA*

47 User Centered Design and International Development

Andy Dearden, *Sheffield Hallam University, UK*
Susan M. Dray, *Dray & Associates, Inc., USA*
Ann Light, *Queen Mary College, University of London, UK*
John C. Thomas, *IBM, USA*
Michael Best, Celeste Buckhalter, Dan Greenblatt,
Gaurishankar Krishnan, Nithya Sambasivan, *Georgia Institute of Technology, USA*

48 HCI and New Media Arts: Methodology and Evaluation

Piotr D. Adamczyk, Michael B. Twidale, Kevin Hamilton, Brian P. Bailey, *University of Illinois, Urbana-Champaign, USA*

49 Imaging The City: Exploring the Practices and Technologies of Representing the Urban Environment in HCI

Carl DiSalvo, *Carnegie Mellon University, USA*
Janet Vertesi, *Cornell University, USA*

50 Supporting Design Studio Culture in HCI

Eli Blevis, *Indiana University, USA*
Tracee Vetting Wolf, *IBM, USA*
Youn-kyung Lim, *Indiana University, USA*
Keichi Sato, *Illinois Institute of Technology, USA*
Erik Stolterman, *Indiana University, USA*

51 Striking a c[h]ord: Vocal Interaction in Assistive Technologies, Games, and More

Adam J. Sporka, *Czech Technical University in Prague, Czech Republic*
Susumu Harada, *University of Washington, USA*
Sri H. Kurniawan, *University of Manchester, UK*

52 Mobile Spatial Interaction

Peter Fröhlich, Rainer Simon, Lynne Baillie,
Telecommunications Research Center Vienna, Austria
Joi Roberts, *Motorola, USA*
Roderick Murray-Smith, *University of Glasgow, UK*
Matt Jones, *Swansea University, UK*
Rahul Nair, *Yahoo!, USA*

53 Supple Interfaces: Designing and Evaluating for Richer Human Connections and Experiences

Katherine Isbister, *Rensselaer Polytechnic Institute, USA*
Kristina Höök, *Swedish Institute of Computer Science, Sweden*

54 Increasing the Impact of Usability Work in Software Development

Tobias Uldall-Espersen, *University of Copenhagen, Denmark*
Ann Blandford, *University of College London, UK*
Timo Jokela, *University of Oulu, Finland*
Erik Frøkjær, *University of Copenhagen, Denmark*

55 Supporting Non-Professional Users in the New Media Landscape

David Geerts, *CUO-K.U.Leuven, the Netherlands*
Petter Bae Brandtzæg, *SINTEF ICT, Norway*
Marianna Obrist, Manfred Tscheligi, *University of Salzburg, Germany*

56 Exertion Interfaces

Florian 'Floyd' Mueller, *The University of Melbourne, Australia*
Stefan Agamanolis, *Distance Lab, UK*

57 Exploratory Search and HCI

Ryen W. White, *Microsoft, USA*
Marti A. Hearst, *University of California, Berkeley, USA*
Steven M. Drucker, *Microsoft, USA*
m c schraefel, *University of Southampton, UK*
Gary Marchionini, *University of North Carolina, USA*

58 Shared Encounters

Katharine S. Willis, Konstantinos Chorianopoulos, *Bauhaus University of Weimar, Germany*
Mirjam Struppek, *Interactionfield, Germany*
George Roussos, *Birkbeck College, University of London, UK*

59 Beyond Current User Research: Designing Methods for New Users, Technologies, and Design Processes

Judith Ramey, Elisabeth Cuddihy, *University of Washington, USA*
Stephanie Rosenbaum, *Tec-Ed, Inc., USA*
Emma Rose, *Anthro-tech, Inc., USA*
Zhiwei Guan, *University of Washington, USA*

60 Converging on a Science of Design through the Synthesis of Design Methodologies

Gerhard Fischer, Elisa Giaccardi, *University of Colorado, USA*
Yunwen Ye, *SRA Key Technology Lab, Japan*
Kumiyo Nakakoji, *University of Tokyo, Japan*
Chris DiGiano, *SRI International, USA*

WORK-IN-PROGRESS (WIPS) Tuesday

HANDHELD AND MOBILE APPLICATIONS

61 A Motion-Based Marking Menu System

Ian Oakley, Junseok Park, *Electronics and Telecommunications Research Institute, Republic of Korea*

62 AwareLESS Authentication: Insensible Input Based Authentication

Hiroyuki Manabe, Masaaki Fukumoto, *NTT DoCoMo, Inc., Japan*

63 txt 4 l8r: Lowering the Burden for Diary Studies Under Mobile Conditions

Joel Brandt, Noah Weiss, Scott R. Klemmer, *Stanford University, USA*

64 Sounding Board: A Handheld Device for Mutual Assessment in Education

Jun Yamashita, *University of Tsukuba, Japan*
Hiroshi Kato, *National Institute of Media Education, Japan*
Toshiaki Ichimaru, *University of Tsukuba, Japan*
Hideyuki Suzuki, *Ibaraki University, Japan*

65 New Parameters for Tacton Design

Eve Hoggan, Stephen Brewster, *University of Glasgow, UK*

HANDLING INFORMATION

66 Towards a Tool for Predicting User Exploration

Leonghwee Teo, Bonnie E. John, *Carnegie Mellon University, USA*
Peter Pirolli, *PARC, USA*

67 Preliminary Evidence for Top-Down and Bottom-Up Processes in Web Search Navigation

Shu-Chieh Wu, *San Jose State University & NASA, USA*
Craig Miller, *DePaul University, USA*

68 OSI and ET: Originating Source of Information and Evidence Traceability

Robert Ball, Pardha Pyla, Manuel A. Pérez-Quiñones, *Virginia Polytechnic Institute and State University, USA*

69 The Effect of Brand Awareness on the Evaluation of Search Engine Results

Bernard Jansen, Mimi Zhang, Ying Zhang, *The Pennsylvania State University, USA*

70 WillCam: A Digital Camera Visualizing Users' Intention

Keita Watanabe, *Keio University, Japan*,
Koji Tsukada, *National Institute of Advanced Industrial Science and Technology, Japan*
Michiaki Yasumura, *Keio University, Japan*

CONTEXT-AWARE APPLICATIONS

71 Enabling Nutrition-Aware Cooking in a Smart Kitchen

Pei-Yu Chi, Jen-hao Chen, Hao-hua Chu, *National Taiwan University, Taiwan*

72 What You Said About Where Shook Your Head; A Hands-Free Implementation of a Location-Based Notification System

Eric Jones, Ted Selker, Hyemin Chung, *MIT, USA*

73 Galvanic Skin Response (GSR) as an index of Cognitive Load

Fang Chen, Eric Choi, Natalie Ruiz, Yu Shi, Ronnie Taib, *National ICT Australia Ltd, Australia*

74 Content-Aware Layout

Edward Ishak, Steven Feiner, *Columbia University, USA*

75 Finding Your Way with CampusWiki: A Location-Aware Wiki

Richard Schuler, Nathaniel Laws, Sameer Bajaj, Sukeshini Grandhi, Quentin Jones, *New Jersey Institute of Technology, USA*

AUDITORY UI

76 Porta-Person: Telepresence for the Connected Conference Room

Nicole Yankelovich, Nigel Simpson, Jonathan Kaplan, Joe Provino, *Sun Microsystems, USA*

77 Iterative Design of an Audio-Haptic Drawing Application

Kirsten Rasmussen-Gröhn, Charlotte Magnusson, Håkan Efrting, *Lund University, Sweden*

78 An Investigation into the Use of Spatialised Sound in Locative Games

Kirsten Cater, *University of Bristol, UK*
Richard Hull, Tom Melamed, *Hewlett-Packard, UK*
Robin Hutchings, *University of Bristol, UK*

79 Longitudinal Study of Continuous Non-Speech Operated Mouse Pointer

Adam J. Sporka, *Czech Technical University in Prague, Czech Republic*
Sri H. Kurniawan, Murni Mahmud, *University of Manchester, UK*
Pavel Slavik, *Czech Technical University in Prague, Czech Republic*

80 Interactive Generation of Overview Information Using Speech

Johan Kildal, Stephen Brewster, *University of Glasgow, UK*

■ INPUT & INTERACTION

81 Look There or “Are Six Keys Enough?”

Regina Bernhaupt, David Wilfinger, Thomas Mirlacher,
Manfred Tscheligi, *Salzburg University, Germany*

82 Game Controller Text Entry with Alphabetic and Multi-Tap Selection Keyboards

Thomas Költringer, Michaela Ngo Van, Thomas Grechenig,
Vienna University of Technology, Austria

83 Comparing Two Methods for Gesture Based Short Text Input Using Chording

Hendrik Witt, Torben Janssen, *University of Bremen, Germany*

84 Gaze-Enhanced Scrolling Techniques

Manu Kumar, Terry Winograd, Andreas Paepcke, *Stanford University, USA*

85 Improving Disambiguation Accuracy for Dictionary-Based Disambiguation Text Entry Methods by Co-Occurrence Based Semantic Information

Jun Gong, Peter Tarasewich, Carole Hafner, *Northeastern University, USA*
Scott Mackenzie, *York University, Canada*

■ COMPUTER SUPPORTED COOPERATIVE WORK 1

86 A Study of Co-Worker Awareness in Remote Collaboration over a Shared Application

Julien Epps, *National ICT Australia LTD, Australia*
Benjamin Close, *University of South Australia, Australia*

87 An Initial Investigation into Non-Visual Computer Supported Collaboration

David McGookin, Stephen Brewster, *University of Glasgow, UK*

88 Mapmail: Restructuring an Email Client for Use in Distributed Teams

Les Nelson, *PARC, USA*
Elizabeth F. Churchill, *Yahoo!, USA*

89 Encouraging Contribution to Shared Sketches in Brainstorming Meetings

Marcello Bastéa-Forte, Corina Yen, *Stanford University, USA*

90 Pointer Delegation for Group Collaboration Using Telepointers

Noritaka Osawa, *National Institute of Multimedia Education, Japan*

■ HOME

91 On Nurturing Strong-Tie Distant Relationships: From Theory to Prototype

Cristina Hoffmann, Sylvie Jumptertz, Bernard Marquet,
France Telecom, France

92 Analysis of Human Interruptibility in the Home Environment

Yoshinao Takemae, Shuichi Chaki, Takehiko Ohno, Ikuo Yoda,
NTT Corporation, Japan
Shinji Ozawa, *Keio University, Japan*

93 SyncDecor: Appliances for Sharing Mutual Awareness between Lovers Separated by Distance

Hitomi Tsujita, *Ochanomizu University, Japan*
Koji Tsukada, *National Institute of Advanced Industrial Science and Technology, Japan*
Itiro Siio, *Ochanomizu University, Japan*

94 The Use of Aesthetics in HCI Systems

Jina Huh, Mark Ackerman, Robert Douglas, *University of Michigan, USA*

95 From Virtually Living Together to Actual Living Together

Marianne Graves Petersen, *University of Aarhus, Germany*

■ COMPUTER SUPPORTED COOPERATIVE WORK 2

96 Studying Activity Patterns in CSCW

Gregorio Convertino, *The Pennsylvania State University, USA*
Thomas P. Moran, Barton A. Smith, *IBM, USA*

97 Using Isovist Views to Study Placement of Large Displays in Natural Settings

Peter Scupelli, Sara Kiesler, Susan R. Fussell, *Carnegie Mellon University, USA*

98 CAWS: A Wiki System to Improve Workspace Awareness to Advance Effectiveness of Co-Authoring Activities

Ilaria Liccardi, Hugh Davis, Su White, *University of Southampton, UK*

99 Malibu Personal Productivity Assistant

Werner Geyer, Beth Brownholtz, Michael J. Muller, Casey Dugan, Eric Wilcox, David R. Millen, *IBM, USA*

100 Extending a Theory of Remote Scientific Collaboration to Corporate Contexts

Sajeev Cherian, Judith S. Olson, *University of Michigan, USA*

CHILDREN

101 Designing Tangibles for Children: What Designers Need to Know

Alissa Antle, *Simon Fraser University, Canada*

102 Designing Mobile Phone Interface with Children

Xiaowei Cao, Sri H. Kurniawan, *University of Manchester, UK*

103 Making Dead History Come Alive through Mobile Game-Play

Rosa Lanzilotti, Maria Francesca Costabile, Carmelo Ardito, Thomas Pederson, *University of Bari, Italy*

104 Vuelta: Creating Animated Characters and Props Using Real-World Objects

Juan Pablo Hourcade, Keith Perry, *University of Iowa, USA*

105 Continuing Motivation for Game Design

Sarah Walter, Karin Forssell, Brigid Barron, Caitlin Martin, *Stanford University, USA*

WORK-IN-PROGRESS (WIPS) Wednesday

PROTOTYPING

106 Integrating User Performance Time Models in the Design of Tangible UIs

Paul Holleis, *Research Group Embedded Interaction & University of Munich, Germany*

Dagmar Kern, Albrecht Schmidt, *Fraunhofer Gesellschaft – IAIS, Germany*

107 WOZ Pro: A Pen-Based Low Fidelity Prototyping Environment to Support Wizard of Oz Studies

Christopher Hundhausen, Anzor Balkar, Mohamed Nuur, *Washington State University, USA*

108 iProCam: A Lens-Sharing Projector-Camera System for Augmented Reality Applications

Seyoung Pyo, Jaewon Shim, Geehyuk Lee, *Information and Communications University, Republic of Korea*

109 Prime III: A User Centered Voting System

Ernest Cross II, Yolanda McMillian, Priyanka Gupta, Philicity Williams, Kathryn Nobles, Juan Gilbert, *Auburn University, USA*

110 Range: Exploring Proxemics in Collaborative Whiteboard Interaction

Wendy Ju, Brian Lee, Scott R. Klemmer, *Stanford University, USA*

UI DESIGN

111 A Gestural Input through Finger Writing on a Textured Pad

Ji-Eun Kim, John Sunwoo, Yong-Ki Son, Dong-Woo Lee, Il-Yeon Cho, *Electronics and Telecommunications Research Institute, Republic of Korea*

112 Design and Comparison of Acceleration Methods for Touchpad

Sumi Yun, Geehyuk Lee, *Information and Communications University, Republic of Korea*

113 K-Menu: A Keyword-Based Dynamic Menu Interface for Small Computers

Seung Eun Lee, Geehyuk Lee, *Information and Communications University, Republic of Korea*

114 Rating, Voting, & Ranking: Designing for Collaboration & Consensus

Don Turnbull, *University of Texas, Austin, USA*

115 Human Guided Evolution of XUL User Interfaces

Juan Quiroz, Sergiu Dascalu, Sushil Louis, *University of Nevada, Reno, USA*

 INPUT AND INTERACTION TECHNOLOGIES

116 2D Meets 3D: A Human-Centered Interface for Visual Data Exploration

Sebastian Baumgärtner, Achim Ebert, Matthias Deller, Stefan Agne, *DFKI GmbH, Germany*

117 Design and Evaluation of 3D Models for Electronic Dental Records

Michael Marotta, *Revolution Health & Carnegie Mellon University, USA*

Purin Phanichphant, *Microsoft & Carnegie Mellon University, USA*

Patrick Malatack, *Carnegie Mellon University, USA*

Tej Shah, *Carnegie Mellon University & Lockheed Martin, USA*

Greg Price, *Endeca & Carnegie Mellon University, USA*

Thankam Thyvalikakath, Titus Schleyer, *University of Pittsburgh, USA*

Jason I. Hong, *Carnegie Mellon University, USA*

118 Management of Personal Information Scraps

Michael Bernstein, Max Van Kleek, *MIT, USA*

m c schraefel, *University of Southampton, UK*

David Karger, *MIT, USA*

119 A Grid-Based Extension to an Assistive Multimodal Interface

Philip Strain, Graham McAllister, Emma Murphy, Ravi Kuber, Wai Yu, *Queens University, Belfast, UK*

120 A Research Agenda for Mobile Usability

Constantinos Coursaris, *Michigan State University, USA*

Dan Kim, *University of Houston, Clear Lake, USA*

 DESIGN AND EVALUATION METHODS

121 An Extensible Platform for the Interactive Exploration of Fitts' Law and Related Movement Time Models

Martin Schedlbauer, *University of Massachusetts, Lowell, USA*

122 HCI4D: HCI Challenges in the Global South

Marshini Chetty, Rebecca E. Grinter, *Georgia Institute of Technology, USA*

123 aIRPLane: An Information Retrieval Pattern Language

Christine Wania, Michael Atwood, *Drexel University, USA*

124 Mapping Semantic Relevancy of Information Displays

Vladislav Veksler, Wayne Gray, *Rensselaer Polytechnic Institute, USA*

125 Using Activity Theory to Develop a Design Framework for Rural Development

Arvind Ashok, Christian Beck, *Indiana University, Bloomington, USA*

 AUGMENTED REALITY AND TANGIBLE UIS

126 I/O Plant: A Tool Kit for Designing Augmented Human-Plant Interactions

Satoshi Kuribayashi, Yusuke Sakamoto, Hiroya Tanaka, *Keio University, Japan*

127 Reality-Based Interaction: Unifying the New Generation of Interaction Styles

Robert J. K. Jacob, Audrey Girouard, Leanne Hirshfield, Michael Horn, Orit Shaer, Erin Solovey, *Tufts University, USA*

Jamie Zigelbaum, *MIT, USA*

128 The Digital Music Box: Using Cultural and Critical Theory to Inform Design

Mark Blythe, *University of York, UK*

129 Jogging over a Distance – Supporting a “Jogging Together” Experience Although Being Apart

Florian 'Floyd' Mueller, *Exertion Interfaces, Australia*

Shannon O'Brien, Alex Thorogood, *Connecting People Group, Australia*

130 Tangible Avatar and Tangible Earth: A Novel Interface for Astronomy Education

Jun Yamashita, Hideaki Kuzuoka, *University of Tsukuba, Japan*

Michitaka Hirose, *The University of Tokyo, Japan*

131 Finding Communication Hot Spots of Location Based Postings

Saija-Maaria Lemmelä, Hannu J. Korhonen, *Nokia, Finland*

132 The Sound of Touch

David Merrill, Hayes Raffle, *MIT, USA*

 ROBOTIC AGENTS

133 How do Robotic Agents' Appearances Affect Peoples' Interpretations of the Agents' Attitudes?

Takanori Komatsu, *Future University-Hakodate, Japan*

Seiji Yamada, *National Institute of Informatics, Japan*

134 Practical Approaches to Comforting Users with Relational Agents

Timothy Bickmore, Daniel Schulman, *Northeastern University, USA*

VISUALIZATION AND ANIMATION

- 135 Comparing Visualizations for Tracking Off-Screen Moving Targets**
Sean Gustafson, Pourang Irani, *University of Manitoba, Canada*
- 136 Conversation Votes: Enabling Anonymous Cues**
Tony Bergstrom, Karrie Karahalias, *University of Illinois, Urbana-Champaign, USA*
- 137 WikiNavMap: A Visualisation to Supplement Team Based Wikis**
Adam Ullman, Judy Kay, *The University of Sydney, Australia*
- 138 The Facial Expression Effect of an Animated Agent on the Decisions Taken in the Negotiation Game**
Masahide Yuasa, Naoki Mukawa, *Tokyo Denki University, Japan*

COMPUTER MEDIATED COMMUNICATION

- 139 On Context of Content: A Comparative Methodology Review of How HCI and Mass Communication Analyze Blogs and Social Media**
Lo Ping Wei, Ellen Yi-Luen Do, *Georgia Institute of Technology, USA*
- 140 Investigating Response Similarities Between Real and Mediated Social Touch: A First Test**
Antal Haans, Christiaan De Nood, Wijnand IJsselstein, *Technische Universiteit Eindhoven, the Netherlands*
- 141 Distant Closeness and Photo Galleries: Flickr and Public Image-Sharing**
Nancy Van House, *University of California, Berkeley, USA*
- 142 Exploring Large Display Use in American Megachurches**
Susan P. Wyche, Yevgeniy 'Eugene' Medynskiy, Rebecca E. Grinter, *Georgia Institute of Technology, USA*
- 143 Talking About Stuff: Artifacts and Expectation in Social Communication**
Elaine Huang, *RWTH Aachen University, Germany*
Crysta Metcalf, *Motorola Labs, USA*

OFFICE AND WORKPLACE

- 144 Computer Aided Observations of Complex Mobile Situations**
Tobias Klug, *SAP & Darmstadt University of Technology, Germany*
- 145 Physically Present, Mentally Absent: Technology Use in Face-to-Face Meetings**
Lisa Kleinman, *University of Texas, Austin, USA*
- 146 Addressing Constraints: Multiple Usernames, Task Spillage, and Notions of Identity**
Ben Gross, *University of Illinois, Urbana-Champaign, USA*,
Elizabeth F. Churchill, *Yahoo!, USA*

SOCIAL COMPUTING AND SOCIAL NAVIGATION

- 147 Location, Location, Location: A Study of Bluejacking Practices**
Jennifer Thom-Santelli, Alex Ainslie, Geri Gay, *Cornell University, USA*
- 148 SocialBrowsing: Integrating Social Networks and Web Browsing**
Jennifer Golbeck, Michael M. Wasser, *University of Maryland, College Park, USA*
- 149 Applying a User-Centered Metric to Identify Active Blogs**
Adam Kramer, *University of Oregon, USA*
Kerry Rodden, *Google, USA*
- 150 Value Scenarios: Envisioning Systemic Effects of New Technologies**
Lisa Nathan, Predrag Klasnja, Batya Friedman, *University of Washington, USA*
- 151 BlogCentral: The Role of Internal Blogs at Work**
Jina Huh, *University of Michigan, USA*
Lauretta Jones, Thomas Erickson, Wendy A. Kellogg, Rachel Bellamy, John C. Thomas, *IBM, USA*

HEALTH CARE APPLICATIONS

- 152 Touch · Sensitive Apparel**
Cati Vaucelle, *MIT, USA*
Yasmine Abbas, *Harvard University, USA*
- 153 NEAT-o-Games: Ubiquitous Activity-Based Gaming**
Yuichi Fujiki, Kostas Kazakos, Colin Puri, *University of Houston, USA*
Justin Starren, *Marshfield Clinic Research Foundation, USA*
Ioannis Pavlidis, *University of Houston, USA*
James Levine, *Mayo Clinic, USA*
- 154 UP Health: Ubiquitously Persuasive Health Promotion with an Instant Messaging System**
Misook Sohn, Junwoo Lee, *Electronics and Telecommunications Research Institute, Republic of Korea*
- 155 WalkMSU: An Intervention to Motivate Physical Activity in University Students**
Vikash Singh, Anijo Mathew, *Mississippi State University, USA*
- 156 Posture Monitoring and Improvement for Laptop Use**
Sriram Subramanian, Carrie Demmans, Jon Titus, *University of Saskatchewan, Canada*

Addison-Wesley**Booth: 33**

Addison-Wesley is the premier publisher of User Interface books. Recent publications include: *The Resonant Interface* by Steven Heim, *Web Usability: A User-Centered Design Approach* by Lazar, *DTUI* by Shneiderman/Plaisant and *Designing Interactive Systems* by Benyon/Turner/Turner.

Adobe**Booth: F****(CHI Contributor, Recruiting)**

Adobe Systems Incorporated offers business, creative, and mobile software solutions that revolutionize how the world engages with ideas and information. If you are interested in joining a team of visual and interaction designers, user researchers, and UE Consultants come visit us at our booth.

Alucid Solution, Inc. / Usability Systems**Booth: 11****(Recruiting)**

Alucid Solution, Inc., formerly Usability Systems, Inc. (USI), provides a unique blend of research, consultation and leading-edge testing tools and environments through its cross-functional usability software, systems and services. Alucid is celebrating its 20th year.

Aptima, Inc.**Booth: 35**

Aptima, Inc. is a leader in the field of human-centered engineering, solving the problems of human performance in today's complex, sociotechnical systems. The company provides products and services focused on the design of organizations, user-centered technology, and training systems.

Autodesk, Inc.**Booth: 8****(CHI Contributor, Recruiting)**

Realize your ideas. Autodesk is the world leader in 2D and 3D design software with the broadest portfolio of manufacturing, geospatial, building & construction, and media & entertainment solutions. Stop by to meet our designers, learn about solutions, and hear about our current openings.

Bentley College**Booth: S**

The Master of Science in Human Factors in Information Design (MSHFID) at Bentley College prepares graduates for senior-level positions at leading companies by combining product design, usability engineering and human factors with a goal of enhancing the user experience.

Captology Forum (Stanford University Persuasive Technology Lab)**Booth: 16**

Captology Forum is a monthly 30-minute voice chat online about how computers (including mobile phone apps) can motivate & persuade people. Dr. BJ Fogg of Stanford leads each Forum using YackPack Live Voice. The short events are free, fun & insightful. Join us.

Cooper**Booth: G****(CHI Champion, Recruiting)**

Cooper helps industry-leading clients define, design and deliver inspiring products and services. We have positions in interaction design, visual design, and design communication. Design better products. Work in a better place. www.cooper.com

eBay, Inc.**Booth: 3****(CHI Contributor, Recruiting)**

eBay's User Experience & Design group generates user insights, designs global products, and creates a long-term user experience vision to address current and future user needs and opportunities. UED plays an important role in fulfilling eBay's corporate charter of pioneering new communities around the world built on commerce, sustained by trust, and inspired by opportunity.

Ethnio**Booth: 22**

Bolt | Peters User Experience presents Ethnio. The first remote usability testing web application that allows you to observe from anywhere, record video and audio, and recruit users live from the web. Moderated remote usability. Simplified.

Eurotech Group**Booth: J**

Zypad is a new family of wearable computers designed by Eurotech Group. It provides instant access to computing capabilities, while allowing users to carry out non-computer tasks across a variety of professional work applications, enabling hands-free operation, robust wireless capabilities and standard architecture.

eye square GmbH**Booth: 5**

eye square is a leading offerer of usability research in Europe; our software eye square Visualizer is the most advanced tool for eye tracking analysis and visualization. Our clients include: eBay, Yahoo, Deutsche Bank, Ford, P&G, LG Electronics.

FILTER/TALENT**Booth: 6****(Recruiting)**

FILTER/TALENT: a recruitment agency connecting UI and visual designers with hiring managers and HR departments, solving resource needs for web, software, and consumer product development. On-site/off-site or direct hire.

Google**Booth: R, 21****(CHI Champion, Recruiting)**

Google's ease of use is the result of a continued focus on putting the user first. We have many exciting opportunities in UI, so if you're interested in the challenge of making information easily and freely accessible to a global audience please stop by our booth (R, 21). <http://www.google.com/jobs/chi>

Human Factors and Ergonomics Society

Booth: 34a

HFES is the largest scientific society for human factors /ergonomics researchers and practitioners, with over 4700 members worldwide, promoting the discovery and exchange of knowledge concerning the characteristics of human beings that are applicable to the design of systems and devices of all kinds.

Human Factors International

**Booth: 9
(Recruiting)**

HFI's pioneering leadership for improving customer experience includes recent advancements in contextual innovation, analysis of decision-making as it impacts conversion, customized UCD methodology, usability best practices, and Web 2.0 deployments.

Intel

**Booth: C
(CHI Hero, Recruiting)**

At Intel, we constantly push the boundaries of innovation in order to make people's lives more exciting, more fulfilling, and easier to manage. Our unwavering commitment to moving technology forward has transformed the world by leaps and bounds. Come see Intel's "Kitchen Window" demo – a vision for the central hub of family communications. Intel. Leap ahead.

Intranel.com

Booth: K

Get the insight you need, online and in real time with VisionsLive.com and VideoScribe G2 from Intranel - www.Intranel.com. Watch participants use any website from anywhere on the World Wide Web. See their reactions and hear their first thoughts.

Intuit

**Booth: O, P
(CHI Champion, Recruiting)**

Intuit's user experience team pushes the boundaries of traditional user centered design. We solve problems that make a difference in the lives of millions. And when one of our courageous ideas stick and customers break out in smiles using a product we invented, we know we're doing our jobs.

John Wiley & Sons

Booth: 23

John Wiley and Sons are proud to announce the publication of the 2nd edition of Interaction Design – the bestseller by Sharp, Rogers and Preece. This title joins our growing stable of new books on HCI subjects. Come take a look at them at our stand!

LC Technologies Eyegaze Systems

Booth: 18

A range of eye tracking technologies: The EyeFollower that provides automatic eye acquisition, binocular tracking, and 0.45-degree gaze point tracking accuracy throughout 20x12x15 inch volume. Also, an inexpensive plug-and-play system and state-of-the-art NYAN analysis software.

Microsoft

**Booth: A, B
(CHI Champion, Recruiting)**

At Microsoft we enable people and business throughout the world to realize their full potential through our products and services. Find out more about our software, the people who create it, and career opportunities in UX, research, and design.

Mobience

Booth: 13

If you use QWERTY, you will find you're already familiar with MobileQWERTY when you try it. If you don't use QWERTY, MobileQWERTY can surely help you learn or overcome it. MobileQWERTY writes a new history of QWERTY for ubiquitous mobile devices.

Morgan Kaufmann (an imprint of Elsevier)

Booth: 15

Morgan Kaufmann, an imprint of Elsevier, works with leading computer scientists to publish books for researchers, professionals and students in human-computer interaction, computer architecture, databases/networking, graphics/gaming, and software engineering.

Noldus Information Technology, Inc.

Booth: E

Noldus offers computer software and integrated systems for HCI research and usability testing. The Observer XT is available for live observations, video analysis, eye-tracking, or mobile coding. Please visit Noldus for more detailed information.

Oracle USA

**Booth: 1
(Recruiting)**

Oracle is the world leader in enterprise-class user experiences. Come and see how our team of interaction design, usability engineering, ethnography, and cognitive engineering research professionals help make our customers more productive, everyday.

Oxford University Press

Booth: 4

Save 20% – Series in Human Technology Interaction: Pirolli: Information Foraging Theory, Parasuraman: Neuroergonomics, Kirlik: Adaptive Perspectives on Human-Technology Interaction; Kramer: Attention; and Kraut: Computers, Phones, and the Internet.

RedWhale Software

Booth: 19

RedWhale is a leading provider of software tools, innovative technologies, and professional services for the design, development and run-time management of user interfaces.

salesforce.com**Booth: L**
(Recruiting)

The success of salesforce.com is a testament to the commitment to our solution's ease of use, global adoption, and a loyal community of over 500,000 users. Contribute your talents to the User Experience team and help elevate our products and services to a whole new level.

Samsung Electronics Co., LTD.**Booth: 7**

The Future Experience Part of Samsung Electronics presents its recent research results related to user experience and new interaction developments.

SAP**Booth: Q**
(CHI Champion, Recruiting)

As the world's third-largest independent software provider, SAP delivers business solutions to more than 36,200 customers worldwide. Today, SAP employs more than 38,400 people in more than 50 countries. Connect with SAP usability professionals at our booth.

Savannah College of Art and Design**Booth: 10**
(Recruiting)

The Savannah College of Art and Design exists to prepare talented students for careers in the visual and performing arts, design, the building arts, and the history of art and architecture. The college emphasizes learning through individual attention in a positively oriented environment.

Seeing Machines**Booth: 32**

Seeing Machines is an award winning Technology Company focused on designing vision-based human machine interfaces. Our forerunner product called faceLAB™ provides head and face tracking, eye, eyelid and gaze tracking. For more information about faceLAB™ visit www.seeingmachines.com

SirValUse Consulting**Booth: 20**

Customary methods for performance measurement and online survey don't provide insights about usage motivation, satisfaction and frequency. The new Remote-Testing-Tool LEOTrace® covers the whole user behaviour, including a freely definable number of competitor's websites.

Springer**Booth: 17**

Take your research and skills to the next level with Springer. Stop by our booth to discover an authoritative range of books and journals in CHI. Save 20% on all titles.

Sun Microsystems**Booth: 12a**
(CHI Champion, Recruiting)

At Sun "The Network is the Computer." We understand that technology is only part of a community. We connect people enabling them to interact, share, and solve problems. Meet the designers who create the products and online communities that make this happen.

Taylor & Francis Group**Booth: 34**

With over 200 years publishing experience, international offices and over 1100 titles in print, Taylor & Francis is a world leading publisher of academic journals. All Taylor & Francis journals have their own web pages with full information – visit www.informaworld.com for a closer look.

TechSmith Corporation**Booth: 14**
(Recruiting)

TechSmith Corporation, creator of Morae, UserVue, Camtasia Studio, and SnagIt, lets users capture, record and enhance digital content from their PCs so they can share information and allow others to observe, analyze and learn from their experiences.

The MIT Press, Cambridge, MA**Booth: 2**

The MIT Press publishes extensively in computer-human interaction and related titles in technology, new media and gaming. Please visit our booth to browse our newest titles and receive a 20% discount on books and journals purchased.

Tobii Technology**Booth: 1, 12**
(Recruiting)

Tobii Technology manufactures eye tracking technology. Our hardware and software make usability studies much easier and give a powerful new stream of data. Use your eyes.

University of Washington Press/DUB**Booth: 12b**

DUB is a University of Washington alliance exploring Human Computer Interaction and Design--Computer Science and Engineering, Technical Communication, Biomedical and Health Informatics, the School of Art and the Information School. UW Press will publish Personal Information Management in the fall of 2007.

UserZoom**Booth: D**

UserZoom is an automated (non-moderated) remote usability testing tool. It can test large volumes of users in their natural context and quantify usability and UX of digital interfaces, both in the local and international marketplace.

UXalliance

Booth: 30
(Recruiting)

The User Experience Alliance (UXa) is a working network of the leading usability companies in Europe, the US and Asia. Together we offer international user experience research services providing clients with one point of contact and a global reach.

VMware, Inc.

Booth: H
(Recruiting)

VMware is the global leader in virtual infrastructure software for industry-standard systems. The world's largest companies use VMware solutions to simplify their IT, fully leverage their existing computing investments and respond faster to changing business demands.

Yahoo!

Booth: M, N
(CHI Champion, Recruiting)

How Big Can You Think? If you're up for creating products that bring half a billion people worldwide together, we're looking for you. Yahoo!'s User Experience and Design team is hiring big. Come discover how you can help change the face of one of the world's most trafficked Internet destinations.

YELLOWPAGES.COM

Booth: 31
(Recruiting)

Consumers have trusted Yellow Pages to deliver information for more than 125 years. Now, YELLOWPAGES.COM, a wholly owned subsidiary of AT&T, provides comprehensive Web advertising solutions for local businesses – Web sites, business listing advertising, search engine solutions and more.