conference on human factors in computing systems

San Jose, California, USA
April 28–May 3, 2007

SIGCHI

Association for Computing Machinery

Advancing Computing as a Science & Profession

Conference Proceedings | volume 01

Editors:
Bo Begole, Papers Co-Chair
Stephen Payne, Papers Co-Chair
Elizabeth Churchill, Notes Co-Chair
Rob St. Amant, Notes Co-Chair
David Gilmore, Technical Program Chair
Mary Beth Rosson, Conference Chair

CHI 2007
REACH BEYOND

The Association for Computing Machinery
2 Penn Plaza, Suite 701
New York, New York 10121-0701

Copyright © 2007 by the Association for Computing Machinery, Inc. (ACM). Permission to make digital or hard copies of portions of this work for personal or classroom use is granted without fee provided that copies are not made or distributed for profit or commercial advantage and that copies bear this notice and the full citation on the first page. Copyright for components of this work owned by others than ACM must be honored. Abstracting with credit is permitted. To copy otherwise, to republish, to post on servers or to redistribute to lists, requires prior specific permission and/or a fee. Request permission to republish from: Publications Dept., ACM, Inc. Fax +1 (212) 869-0481 or permissions@acm.org.

For other copying of articles that carry a code at the bottom of the first or last page, copying is permitted provided that the per-copy fee indicated in the code is paid through the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

Notice to Past Authors of ACM-Published Articles

ACM intends to create a complete electronic archive of all articles and/or other material previously published by ACM. If you have written a work that has been previously published by ACM in any journal or conference proceedings prior to 1978, or any SIG Newsletter at any time, and you do NOT want this work to appear in the ACM Digital Library, please inform permissions@acm.org, stating the title of the work, the author(s), and where and when published.

Additional copies may be ordered prepaid from:

ACM Order Department

Please contact ACM's Member Services Department online: www.acm.org

General Post Office
P.O. Box 30777
New York, NY 10087-0777
Phone: 1-800-342-6626
(US and Canada)
+1-212-626-0500
(all other countries)
Fax: +1-212-944-1318
E-mail: acmhelp@acm.org

ISBN: 978-1-59593-593-9

ACM Order Number: 608073

Printed in the USA

Volume 1

xiii CHI 2007 Conference & Program Chairs' Welcome
M. B. Rosson, *CHI 2007 Conference Chair*
D. Gilmore, *Technical Program Chair*

xiv Welcome from the Papers and Notes Chairs
S. Payne, B. Begole, E. Churchill, R. St Amant, *CHI Papers and Notes Chairs*

xv Message from SIGCHI President
J. Jacko, *SIGCHI President*

xvi About SIGCHI and ACM

xvii CHI 2007 Conference Organization

xviii Papers & Notes Associate Chairs & Reviewers

xxx CHI 2007 Sponsors & Supporters

Faces & Bodies in Interaction
Session Chair: A. Anderson, *University of Dundee*

1 A Meta-Analysis of the Impact of the Inclusion and Realism of Human-Like Faces on User Experiences in Interfaces

N. Yee, J. N. Bailenson, K. Rickertsen, *Stanford University*

11 Improving Recognition and Characterization in Groupware with Rich Embodiments

T. Stach, C. Gutwin, D. Pinelle, *University of Saskatchewan* P. Irani, *University of Manitoba*

21 Coordinating Joint Activity in Avatar-mediated Interaction
R. J. Moore, *Palo Alto Research Center*
E. C. H. Gathman, *University of Wisconsin-Madison*
N. Ducheneaut, E. Nickell, *Palo Alto Research Center*

Attention and Interruption
Session Chair: B. Bailey, *University of Illinois*

31 How it Works: A Field Study of Non-Technical Users Interacting with an Intelligent System
J. Tullio, *Motorola Laboratories*
A. K. Dey, J. Chalecki, *Carnegie Mellon University*
J. Fogarty, *University of Washington*

41 Matching Attentional Draw with Utility in Interruption
J. Gluck, A. Bunt, J. McGrenere, *University of British Columbia*

51 Biases in Human Estimation of Interruptibility: Effects and Implications for Practice
D. Avrahami, *Carnegie Mellon University*
J. Fogarty, *University of Washington*
S. E. Hudson, *Carnegie Mellon University*

Capturing Life Experiences
Session Chair: S. Kiesler, *Carnegie Mellon University*

61 Understanding Videowork
D. Kirk, *University of Nottingham*
A. Sellen, *Microsoft Research Cambridge*
R. J. Harper, *Microsoft Research Cambridge*
K. Wood, *Microsoft Research Cambridge*

71 Software or Wetware? Discovering When and Why People Use Digital Prosthetic Memory

V. Kalnikaitė, S. Whittaker, *Sheffield University*

81 Do Life-Logging Technologies Support Memory for the Past? An Experimental Study Using SenseCam

A. Sellen, A. Fogg, *Microsoft Research*
M. Aitken, *University of Cambridge*
S. Hodges, C. Rother, K. Wood, *Microsoft Research Cambridge*

Large Displays
Session Chair: M. Czerwinski, *Microsoft*

91 An Exploratory Study of Input Configuration and Group Process in a Negotiation Task Using a Large Display
J. P. Birnholtz, T. Grossman, C. Mak, R. Balakrishnan, *University of Toronto*

101 Beyond Visual Acuity: The Perceptual Scalability of Information Visualizations for Large Displays
B. Yost, Y. Haciahmetoglu, C. North, *Virginia Polytechnic Institute and State University*

111 White Rooms and Morphing Don't Mix: Setting and the Evaluation of Visualization Techniques
D. Reilly, K. Inkpen, *Dalhousie University*

Shake, Rattle and Roll: New Forms of Input and Output
Session Chair: L. E. Holmquist, *Viktoria Institute*

121 Shoogle: Excitatory Multimodal Interaction on Mobile Devices
J. Williamson, *University of Glasgow*
R. Murray-Smith, *University of Glasgow & Hamilton Institute*
S. Hughes, *University of Glasgow & SAMH Engineering Services*

Ubicomp Tools
Session Chair: B. Harrison, *Intel*

125 Momento: Support for Situated Ubicomp Experimentation
S. Carter, *FX Palo Alto Laboratory, Inc.*
J. Mankoff, *Carnegie Mellon University*
J. Heer, *University of California at Berkeley*

135 Toolkit Support for Developing and Deploying Sensor-Based Statistical Models of Human Situations
J. Fogarty, *University of Washington*
S. E. Hudson, *Carnegie Mellon University*

145 Authoring Sensor-based Interactions by Demonstration with Direct Manipulation and Pattern Recognition

B. Hartmann, L. Abdulla, *Stanford University*
M. Mittal, *The Massachusetts Institute of Technology Media Laboratory*
S. Klemmer, *Stanford University*

Mobile Interaction
Session Chair: K. Inkpen, *Dalhousie University*

155 *Questions* Not *Answers:* A Novel Search Technique
M. Jones, G. Buchanan, *Swansea University*
R. Harper, P.-L. Xech, *Microsoft Research Cambridge*

159 Tactile Feedback for Mobile Interactions
S. Brewster, F. Chohan, L. Brown, *University of Glasgow*

163 Revisiting and Validating a Model of Two–Thumb Text Entry
E. Clarkson, K. Lyons, J. Clawson, T. Starner, *Georgia Institute of Technology*

167 "Jump and Refine" for Rapid Pointing on Mobile Phones
M. Hachet, *Un* J. Pouderoux, *University of Bordeaux iversity of Bordeaux*
F. Tyndiuk, *UTBM*
P. Guitton, *University of Bordeaux*

Politics & Activism
Session Chair: J. Forlizzi, *Carnegie Mellon University*

171 Usability of Voting Systems: Baseline Data for Paper, Punch Cards, and Lever Machines
M. D. Byrne, K. K. Greene, S. P. Everett, *Rice University*

181 A Game Design Methodology to Incorporate Social Activist Themes

M. Flanagan, *Hunter College*
H. Nissenbaum, *New York University*

Navigation & Interaction
Session Chair: P. Baudisch, *Microsoft*

191 Move to Improve: Promoting Physical Navigation to Increase User Performance with Large Displays

R. Ball, C. North, D. A. Bowman, *Virginia Polytechnic Institute and State University*

201 Copy-and-Paste Between Overlapping Windows
O. Chapuis, N. Roussel, *University Paris-Sud, CNRS & INRIA*

211 Consistency, Multiple Monitors, and Multiple Windows
D. R. Hutchings, *Bowling Green State University*
J. Stasko, *Georgia Institute of Technology*

215 How Pairs Interact Over a Multimodal Digital Table
E. Tse, *University of Calgary & Mitsubishi Electric Research Labs*
C. Shen, *Mitsubishi Electric Research Labs*
S. Greenberg, *University of Calgary*
C. Forlines, *Mitsubishi Electric Research Labs*

Medical
Session Chair: D. McDonald, *University of Washington*

219 An Observational Study on Information Flow during Nurses' Shift Change
C. Tang, S. Carpendale, *University of Calgary*

229 Medical Sensemaking with Entity Workspace
D. Billman, E. A. Bier, *Palo Alto Research Center*

Task & Attention
Session Chair: A. Hornof, *University of Oregon*

233 A Cognitive Constraint Model of Dual-Task Trade-offs in a Highly Dynamic Driving Task

D. P. Brumby, *Drexel University*
A. Howes, *University of Manchester*
D. D. Salvucci, *Drexel University*

243 iPod Distraction: Effects of Portable Music-Player Use on Driver Performance
D. D. Salvucci, D. Markley, M. Zuber, D. P. Brumby, *Drexel University*

251 *InkSeine:* In Situ Search for Active Note Taking
K. Hinckley, S. Zhao, R. Sarin, P. Baudisch, E. Cutrell, M. Shilman, D. Tan, *Microsoft Research*

Expert/Novice
Session Chair: P. Aoki, *Intel*

261 Sharing a Single Expert Among Multiple Partners
J. Wong, *Carnegie Mellon University*
L. M. Oh, *DSO National Laboratories*
J. Ou, C. P. Rosé, J. Yang, S. R. Fussell, *Carnegie Mellon University*

271 Dynamic Detection of Novice vs. Skilled Use Without a Task Model
A. Hurst, S. E. Hudson, J. Mankoff, *Carnegie Mellon University*

281 Approaches to Web Search and Navigation for Older Computer Novices
A. Dickinson, *University of Dundee*
M. Smith, *Fujitsu Services*
J. Arnott, A. Newell, *University of Dundee*
R. Hill, *University of Edinburgh*

Mobile Applications
Session Chair: S. McCrickard, *Virginia Polytechnic Institute & State University*

291 Designing a Mobile User Interface for Automated Species Identification

S. White, D. Marino, S. Feiner, *Columbia University*

295 BrickRoad: A Light-Weight Tool for Spontaneous Design of Location-Enhanced Applications
A. L. Liu, Y. Li, *University of Washington*

299 Psychophysical Elements of Wearability
L. E. Dunne, B. Smyth, *University College Dublin*

303 The Tilt Cursor: Enhancing Stimulus-Response Compatibility by Providing 3D Orientation Cue of Pen
F. Tian, X Ao, *Chinese Academy of Sciences*
H. Wang, *Chinese Academy of Sciences & State Key Laboratory of Computer Science*
V. Setlur, *Nokia Research Palo Alto*
G. Dai, *Chinese Academy of Sciences & State Key Laboratory of Computer Science*

307 How Younger and Older Adults Master the Usage of Hyperlinks in Small Screen Devices
M. Ziefle, U. Schroeder, J. Strenk, T. Michel, *RWTH Aachen University*

Navigation

Session Chair: R. Jacob, *Tufts University*

317 Modeling Steering within Above-the-Surface Interaction Layers
R. S. Kattinakere, *University of Saskatchewan*
T. Grossman, *University of Toronto*
S. Subramanian, *University of Saskatchewan*

327 Quantifying Degree of Goal Directedness in Document Navigation: Application to the Evaluation of the Perspective-Drag Technique
Y. Guiard, *Univ. de la Mediterranee & CNRS*
Y. Du, *Univ. Paris-Sud & CNRS, INRIA*

337 PageLinker: Integrating Contextual Bookmarks within a Browser
A. Tabard, W. Mackay, N. Roussel, *LRI – Univ. Paris-Sud & CNRS & INRIA*
C. Letondal, *Institut Pasteur*

Photo Sharing

Session Chair: J. Bardram, *University of Copenhagen*

347 Give and Take: A Study of Consumer Photo-Sharing Culture and Practice
A. D. Miller, *Schematic*
W. K. Edwards, *Georgia Institute of Technology / GVC Center*

357 Over-Exposed? Privacy Patterns and Considerations in Online and Mobile Photo Sharing
S. Ahern, D. Eckles, N. Good, S. King, M. Naaman, R. Nair, *Yahoo! Research Berkeley*

367 EasyAlbum: An Interactive Photo Annotation System Based on Face Clustering and Re-ranking
J. Cui, *Tsinghua University*
F. Wen, R. Xiao, *Microsoft Research Asia*
Y. Tian, *Shanghai Jiaotong University*
X. Tang, *Microsoft Research Asia*

Empirical Studies of Web Interaction

Session Chair: J. McGrenere, *University of British Columbia*

377 An Exploration of Web-based Monitoring: Implications for Design
M. Kellar, C. Watters, K. M. Inkpen, *Dalhousie University*

387 Investigating Attractiveness in Web User Interfaces
J. Hartmann, A. Sutcliffe, A. De Angeli, *University of Manchester*

397 The Relationship between Accessibility and Usability of Websites
H. Petrie, O. Kheir, *University of York*

Gaze & Eye Tracking

Session Chair: C. North, *Virginia Polytechnic Institute and State University*

407 What Are You Looking For? An Eye-tracking Study of Information Usage in Web Search
E. Cutrell, *Microsoft Research*
Z. Guan, *University of Washington*

417 An Eye Tracking Study of the Effect of Target Rank on Web Search
Z. Guan, *University of Washington*
E. Cutrell, *Microsoft Research*

421 EyePoint: Practical Pointing and Selection Using Gaze and Keyboard
M. Kumar, A. Paepcke, T. Winograd, *Stanford University*

431 A Minimal Model for Predicting Visual Search in Human-Computer Interaction
T. Halverson, A. J. Hornof, *University of Oregon*

Online Representation of Self

Session Chair: A. J. Brush, *Microsoft*

435 A Familiar Face(book): Profile Elements as Signals in an Online Social Network
C. Lampe, N. Ellison, C. Steinfield, *Michigan State University*

445 Constructing My Online Self: Avatars that Increase Self-focused Attention
A. Vasalou, *Imperial College London*
A. N. Joinson, *The Open University*
J. Pitt, *Imperial College London*

449 The Truth about Lying in Online Dating Profiles
J. T. Hancock, C. Toma, *Cornell University*
N. Ellison, *Michigan State University*

453 He Says, She Says: Conflict and Coordination in Wikipedia
A. Kittur, *University of California at Los Angeles*
B. Suh, B. A. Pendleton, E. H. Chi, *Palo Alto Research Center*

Innovative Interactions

Session Chair: I. Smith

463 Modeling Pointing at Targets of Arbitrary Shapes
T. Grossman, N. Kong, R. Balakrishnan, *University of Toronto*

473 Perception of Elementary Graphical Elements in Tabletop and Multi-Surface Environments
D. Wigdor, *Mitsubishi Electric Research Labs & University of Toronto*
C. Shen, C. Forlines, *Mitsubishi Electric Research Labs*
R. Balakrishnan, *University of Toronto*

483 Exploring and Reducing the Effects of Orientation on Text Readability in Volumetric Displays
T. Grossman, D. Wigdor, R. Balakrishnan, *University of Toronto*

Design Theory
Session Chair: J. Kolko, *Savannah College of Art & Design*

493 Research Through Design as a Method for Interaction Design Research in HCI
J. Zimmerman, J. Forlizzi, S. Evenson, *Carnegie Mellon University*

503 Sustainable Interaction Design: Invention & Disposal, Renewal & Reuse

E. Blevis, *Indiana University at Bloomington*

513 Computational Composites
A. Vallgårda, *IT University*
J. Redström, *Royal Academy of Fine Arts & Interactive Institute*

Play & Exercise
Session Chair: E. Goodman, *University of California at Berkeley*

523 Jogging the Distance
S. O'Brien, F. Mueller, *CSIRO ICT Centre*

Home Spirituality
Session Chair: M. Muller, *IBM*

527 Sabbath Day Home Automation: "It's Like Mixing Technology and Religion"

A. Woodruff, *Intel Research Berkeley*
S. Augustin, *PlaceCoach, Inc.*
B. Foucault, *Intel Digital Home Group*

537 Enhancing Ubiquitous Computing with User Interpretation: Field Testing the Home Health Horoscope
W. Gaver, *University of London*
P. Sengers, *Cornell University*
T. Kerridge, *University of London*
J. Kaye, *Cornell University*
J. Bowers, *University of London*

547 Home Networking and HCI: What Hath God Wrought?
E. Shehan, W. K. Edwards, *Georgia Institute of Technology*

Programming by Professionals
Session Chair: M. Burnett, *Oregon State University*

557 Let's Go to the Whiteboard: How and Why Software Developers Use Drawings
M. Cherubini, *École Polytechnique Fédérale de Lausanne*
G. Venolia, R. DeLine, *Microsoft Research*
A. J. Ko, *Carnegie Mellon University*

567 Aligning Development Tools with the Way Programmers Think About Code Changes
M. Boshernitsan, *Agitar Software, Inc.*
S. L. Graham, M. A. Hearst, *University of California at Berkeley*

577 Task and Social Visualization in Software Development: Evaluation of a Prototype

J. B. Ellis, *IBM T.J. Watson Research Center*
S. Wahid, *Virginia Tech*
C. Danis, W. A. Kellogg, *IBM T.J. Watson Research Center*

Web Usability
Session Chair: E. Chi, *PARC*

587 IGroup: Presenting Web Image Search Results in Semantic Clusters
S. Wang, F. Jing, *Microsoft Research Asia*
J. He, *Peking University*
Q. Du, *Tsinghua University*
L. Zhang, *Microsoft Research Asia*

597 Web Page Revisitation Revisited: Implications of a Long-term Click-stream Study of Browser Usage

H. Obendorf, H. Weinreich, *University of Hamburg*
E. Herder, *University of Hannover*
M. Mayer, *University of Hamburg*

607 Noticing Notice: A Large-Scale Experiment on the Timing of Software License Agreements
N. S. Good, J. Grossklags, D. K. Mulligan, *University of California at Berkeley*
J. A. Konstan, *University of Minnesota*

Empirical Models
Session Chair: A. Blandford, *University College London*

617 Meta-Analysis of Correlations Among Usability Measures

K. Hornbæk, *University of Copenhagen*
E. L.-C. Law, *Eidgenössische Technische Hochschule Zürich*

627 A Predictive Model of Menu Performance
A. Cockburn, *University of Canterbury*
C. Gutwin, *University of Saskatchewan*
S. Greenberg, *University of Calgary*

637 Endpoint Prediction Using Motion Kinematics
E. Lank, *University of Waterloo*
Y.-C. N. Cheng, *San Francisco State University*
J. Ruiz, *University of Waterloo*

Mobile Interaction Techniques I
Session Chair: S. Brewster, *University of Glasgow*

647 Direct-Touch vs. Mouse Input for Tabletop Displays
C. Forlines, D. Wigdor, *Mitsubishi Electric Research Labs & University of Toronto*
C. Shen, *Mitusbishi Electric Research Laboratories*
R. Balakrishnan, *University of Toronto*

657 Shift: A Technique for Operating Pen-Based Interfaces Using Touch

D. Vogel, *University of Toronto*
P. Baudisch, *Microsoft Research*

667 An Alternative to Push, Press, and Tap-tap-tap: Gesturing on an Isometric Joystick for Mobile Phone Text Entry
J. O. Wobbrock, *University of Washington & Carnegie Mellon University*
D. H. Chau, B. A. Myers, *Carnegie Mellon University*

Tasks

Session Chair: S. Klemmer, *Stanford University*

677 Disruption and Recovery of Computing Tasks: Field Study, Analysis, and Directions
S. T. Iqbal, *University of Illinois at Urbana-Champaign*
E. Horvitz, *Microsoft Research*

687 CAAD: An Automatic Task Support System
T. Rattenbury, J. Canny, *University of California at Berkeley*

697 Understanding and Developing Models for Detecting and Differentiating Breakpoints during Interactive Tasks
S. T. Iqbal, B. P. Bailey, *University of Illinois at Urbana-Champaign*

Emergency Action

Session Chair: J. Carroll, *The Pennsylvania State University*

707 Implicit Coordination in Firefighting Practice: Design Implications for Teaching Fire Emergency Responders
P. O. Toups Dugas, A. Kerne, *Texas A&M University*

717 Back Stage on the Front Lines: Perspectives and Performance in the Combat Information Center
P. M. Aoki, *Intel Research Berkeley*

727 Citizen Communications in Crisis: Anticipating a Future of ICT-Supported Public Participation
L. Palen, S. B. Liu, *University of Colorado*

Design Methods

Session Chair: S. Harrison,
Virginia Polytechnic Institute and State University

737 Transfer Scenarios: Grounding Innovation with Marginal Practices
S. Ljungbland, *Viktoria Institute*
L. E. Holmquist, *Viktoria Institute & Swedish Institute of Computer Science*

747 Work-Centered Design: A Case Study of a Mixed-Initiative Scheduler
K. A. Butler, *Microsoft*
J. Zhang, *University of Texas at Houston*
C. Esposito, A. Bahrami, R. Hebron, *Boeing Math & Computing Technology*
D. Kieras, *University of Michigan*

Mobile Interaction Techniques II

Session Chair: S. Zhai, *IBM*

757 Pointing Lenses: Facilitating Stylus Input through Visual- and Motor-Space Magnification
G. Ramos, *University of Toronto*
A. Cockburn, *University of Canterbury*
R. Balakrishnan, *University of Toronto*
M. Beaudouin-Lafon, *Univ. Paris-Sud & CNRS, INRIA*

767 Comparing Physical, Automatic and Manual Map Rotation for Pedestrian Navigation
W. Seager, *University College London*
D. S. Fraser, *University of Bath*

777 Author Index

781 Keyword Index

Volume 2

xiii CHI 2007 Conference & Program Chairs' Welcome
M. B. Rosson, *CHI 2007 Conference Chair*
D. Gilmore, *Technical Program Chair*

xiv Welcome from the Papers and Notes Chairs
S. Payne, B. Begole, E. Churchill, R. St Amant, *CHI Papers and Notes Chairs*

xv Message from SIGCHI President
J. Jacko, *SIGCHI President*

xvi About SIGCHI and ACM

xvii CHI 2007 Conference Organization

xviii Papers & Notes Associate Chairs & Reviewers

xxx CHI 2007 Sponsors & Supporters

Tangibility

Session Chair: C. Shen, *Mitsubishi Electric Research Labs*

801 Senspectra: A Computationally Augmented Physical Modeling Toolkit for Sensing and Visualization of Structural Strain
V. LeClerc, A. Parkes, H. Ishii, *Massachusetts Institute of Technology Media Laboratory*

805 Tangible User Interface for Chemistry Education: Comparative Evaluation and Re-Design
M. Fjeld, J. Fredriksson, M. Ejdestig, F. Duca, *Chalmers University of Technology*
K. Bötschi, B. Voegtli, P. Juchli, *Zurich University*

809 Mechanical Constraints as Computational Constraints in Tabletop Tangible Interfaces
J. Patten, H. Ishii, *Massachusetts Institute of Technology Media Laboratory*

819 Intimate Interfaces in Action: Assessing the Usability and Subtlety of EMG-based Motionless Gestures
E. Costanza, *EPFL*
S. A. Inverso, *Research School of Biological Sciences*
R. Allen, *University of California at Los Angeles*
P. Maes, *Massachusetts Institute of Technology*

Games
Session Chair: C. Gutwin, *University of Saskatchewan*

829 Project Massive: Self-Regulation and Problematic Use of Online Gaming
A. F. Seay, *University of Texas at Austin*
R. E. Kraut, *Carnegie Mellon University*

839 The Life and Death of Online Gaming Communities: A Look at Guilds in World of Warcraft

N. Ducheneaut, *Palo Alto Research Center*
N. Yee, *Stanford University*
E. Nickell, R. J. Moore, *Palo Alto Research Center*

849 Testing the Technology: Playing Games with Video Conferencing
A. L. Batcheller, B. Hilligoss, K. Nam, E. Rader, M. Rey-Babarro, X. Zhou, *University of Michigan*

853 Using Heart Rate to Control an Interactive Game
V. Nenonen, A. Lindblad, V. Häkkinen, T. Laitinen, M. Jouhtio, P. Hämäläinen, *Helsinki University*

Video
Session Chair: W. Mackay, *INRIA*

857 Consuming Video on Mobile Devices

K. O'Hara, A. S. Mitchell, A. Vorbau, *Hewlett-Packard Labs*

867 Effects of Audio and Visual Surrogates for Making Sense of Digital Video
Y. Song, G. Marchionini, *University of North Carolina at Chapel Hill*

877 Watching Together: Integrating Text Chat with Video
J. D. Weisz, S. Kiesler, H. Zhang, Y. Ren, R. E. Kraut, *Carnegie Mellon University*
J. A. Konstan, *University of Minnesota*

Security
Session Chair: C. Jensen, *Oregon State University*

887 Pictures at the ATM: Exploring the usability of multiple graphical passwords
W. Moncur, *University of Aberdeen*
G. Leplâtre, *Napier University*

895 Password Sharing: Implications for Security Design Based on Social Practice
S. Singh, A. Cabraal, *RMIT University*
C. Demosthenous, *Griffith University*
G. Astbrink, M. Furlong, *GSA Information Consultants*

905 Protecting People from Phishing: The Design and Evaluation of an Embedded Training Email System
P. Kumaraguru, Y. Rhee, A. Acquisti, L. F. Cranor,
J. Hong, E. Nunge, *Carnegie Mellon University*

Emotion & Empathy
Session Chair: D. Schiano, *PARC*

915 Studying Antecedents of Emotional Experiences in Interactive Contexts
S. Mahlke, M. Thüring, *Berlin University of Technology*

919 Patterns of Empathy in Online Communication
U. Pfeil, P. Zaphiris, *City University*

929 Expressing Emotion in Text-based Communication
J. T. Hancock, C. Landrigan, C. Silver, *Cornell University*

933 Exploring Affective Design for Physical Controls
C. Swindells, K. E. MacLean, K. S. Booth, M. J. Meitner, *University of British Columbia*

Collaboration at Work
Session Chair: W. Kellogg, *IBM*

943 Koala: Capture, Share, Automate, Personalize Business Processes on the Web
G. Little, *Massachusetts Institute of Technology*
T. A. Lau, A. Cypher, J. Lin, E. M. Haber, E. Kandogan, *IBM Almaden Research Center*

947 Understanding Memory Triggers for Task Tracking
A. J. B. Brush, B. R. Meyers, D. S. Tan, M. Czerwinski, *Microsoft Research*

951 Exploring Patterns of Social Commonality Among File Directories at Work
J. C. Tang, C. Drews, M. Smith, *IBM Research*
F. Wu, *University of Washington*
A. Sue, T. Lau, *IBM Research*

961 A Study of Out-of-turn Interaction in Menu-based, IVR, Voicemail Systems
S. Perugini, T. J. Anderson, W. F. Moroney, *University of Dayton*

Tags, Tagging & Notetaking
Session Chair: G. Venolia, *Microsoft*

971 Why We Tag: Motivations for Annotation in Mobile and Online Media
M. Ames, *Stanford University*
M. Naaman, *Yahoo! Research Berkeley*

981 Selection-Based Note-Taking Applications

A. Bauer, K. R. Koedinger, *Carnegie Mellon University*

991 Mobile Interaction with Visual and RFID Tags – A Field Study on User Perceptions
K. Mäkelä, *Nokia Research Center*
S. Belt, *Nokia Multimedia*
D. Greenblatt, J. Häkkilä, *Georgia Institute of Technology*

995 Getting Our Head in the Clouds: Toward Evaluation Studies of Tagclouds
A. W. Rivadeneira, *University of Maryland*
D. M. Gruen, M. J. Muller, D. R. Millen, *IBM Research*

Multimodal Interactions
Session Chair: E. Cuttrell, *Microsoft*

999 Supporting Multi-Point Interaction in Visual Workspaces
G. Shoemaker, *IDELIX Software*
C. Gutwin, *University of Saskatchewan*

1009 Multimodal Redundancy Across Handwriting and Speech During Computer Mediated Human-Human Interactions
E. C. Kaiser, P. Barthelmess, C. Erdmann, P. Cohen, *Adapx*

Distributed Interaction
Session Chair: S. Fussell, *Carnegie Mellon University*

1019 An Empirical Study of the Use of Visually Enhanced VoIP Audio Conferencing: The Case of IEAC
X. Ding, *University of California at Irvine*
T. Erickson, W. A. Kellogg, S. Levy, J. E. Christensen, J. Sussman, T. Vetting Wolf, W. E. Bennett, *IBM T.J. Watson Research Center*

1029 Voyagers and Voyeurs: Supporting Asynchronous Collaborative Information Visualization
J. Heer, *University of California at Berkeley*
F. B. Viégas, M. Wattenberg, *IBM T.J. Watson Research Center*

1039 Turn It This Way: Grounding Collaborative Action with Remote Gestures
D. Kirk, T. Rodden, *University of Nottingham*
D. S. Fraser, *University of Bath*

Learning & Education
Session Chair: D. Tatar, *Virginia Polytechnic Institute and State University*

1049 The Validity of a Virtual Human Experience for Interpersonal Skills Education
K. Johnsen, A. Raij, A. Stevens, *University of Florida*
D. S. Lind, B. Lok, *Medical College of Georgia*

1059 Modeling and Understanding Students' Off-Task Behavior in Intelligent Tutoring Systems

R. S. J. d. Baker, *University of Nottingham*

1069 Improvisation Principles and Techniques for Design
E. Gerber, *Stanford University*

1073 Supporting Multidisciplinary Collaboration: Requirements from Novel HCI Education
P. D. Adamczyk, M. B. Twidale, *University of Illinois at Urbana-Champaign*

Designing for Specific Cultures
Session Chair: J. Thomas, *IBM*

1077 How HCI Interprets the Probes

K. Boehner, J. Vertesi, P. Sengers, *Cornell University*
P. Dourish, *University of California at Irvine*

1087 Social Dynamics of Early Stage Co-Design in Developing Regions
D. Ramachandran, M. Kam, *University of California at Berkeley*
J. Chiu, *Google Inc.*
J. Canny, *University of California at Berkeley*
J. L. Frankel, *Frankel and Associates, Inc.*

1097 Localized Iterative Design for Language Learning in Underdeveloped Regions: The PACE Framework
M. Kam, D. Ramachandran, V. Devanathan, *University of California at Berkeley*
A. Tewari, *Dhirubhai Ambani Institute of Information & Communication Technology*
J. Canny, *University of California at Berkeley*

Mobile Kits & Stuff
Session Chair: Y. Rogers, *Open University*

1107 iStuff Mobile: Rapidly Prototyping New Mobile Phone Interfaces for Ubiquitous Computing
R. Ballagas, F. Memon, R. Reiners, J. Borchers, *RWTH Aachen University*

1117 Appropriation of a MMS-Based Comic Creator: From System Functionalities to Resources for Action
A. Salovaara, *Helsinki University of Technology and University of Helsinki*

1127 Mobile Kits and Laptop Trays: Managing Multiple Devices in Mobile Information Work
A. Oulasvirta, L. Sumari, *Helsinki University of Technology & University of Helsinki*

Novel Navigation
Session Chair: A. Dey, *Carnegie Mellon University*

1137 Command Strokes with and without Preview: Using Pen Gestures on Keyboard for Command Selection
P. O. Kristensson, *Linköpings Universitet*
S. Zhai, *IBM Almaden Research Center*

1147 Shallow-Depth 3D Interaction: Design and Evaluation of One-, Two- and Three-Touch Techniques

M. Hancock, S. Carpendale, *University of Calgary*
A. Cockburn, *University of Canterbury*

1157 Affordances for Manipulation of Physical versus Digital Media on Interactive Surfaces
L. Terrenghi, *LMU University of Munich*
D. Kirk, *University of Nottingham*
A. Sellen, S. Izadi, *Microsoft Research*

People, Looking at People
Session Chair: C. Danis, *IBM*

1167 Effects of Presenting Geographic Context on Tracking Activity between Cameras
A. Girgensohn, *FX Palo Alto Laboratory, Inc.*
F. Shipman, *Texas A&M University*
T. Turner, L. Wilcox, *FX Palo Alto Laboratory, Inc.*

1177 Dynamic Shared Visual Spaces: Experimenting with Automatic Camera Control in a Remote Repair Task
A. Ranjan, J. P. Birnholtz, R. Balakrishnan, *University of Toronto*

1187 "Look!" — Using the Gaze Direction of Embodied Agents
J. Schrammel, A. Geven, R. Sefelin, M. Tscheligi, *Center for Usability Research and Engineering*

1191 Museum Guide Robot Based on Sociological Interaction Analysis
Y. Kuno, K. Sadazuka, M. Kawashima, K. Yamazaki, A. Yamazaki, H. Kuzuoka, *Saitama University*

Input Techniques

Session Chair: G. Ramos, *University of Toronto*

1195 Bubbling Menus: A Selective Mechanism for Accessing Hierarchical Drop-Down Menus
T. Tsandilas, *University of Toronto*
m.c. schraefel, *University of Southampton*

1205 Command Line or Pretty Lines? Comparing Textual and Visual Interfaces for Intrusion Detection
R. S. Thompson, E. M. Rantanen, W. Yurcik, B. P. Bailey, *University of Illinois at Urbana*

1215 Pointing and Beyond: an Operationalization and Preliminary Evaluation of Multi-scale Searching
E. Pietriga, *INRIA & LRI - Univ. Paris-Sud & CNRS*
C. Appert, M. Beaudouin-Lafon, *LRI - Univ. Paris-Sud & CNRS & INRIA*

Location Aware Systems

Session Chair: D. Murray, *City University*

1225 Social Practices in Location-Based Collecting
K. O'Hara, T. Kindberg, *Hewlett-Packard Labs*
M. Glancy, L. Baptista, B. Sukumaran, G. Kahana, J. Rowbotham, *BBC*

1235 Capturing, Sharing, and Using Local Place Information
P. J. Ludford, R. Priedhorsky, K. Reily, L. Terveen, *University of Minnesota*

1245 Show Me the Way to Monte Carlo: Density-based trajectory navigation
S. Strachan, *Hamilton Institute*
J. Williamson, *University of Glasgow*
R. Murray-Smith, *Hamilton Institute & University of Glasgow*

1249 MapMover: A Case Study of Design-Oriented Research into Collective Expression and Constructed Publics
C. DiSalvo, J. Maki, *Carnegie Mellon University*
N. Martin, *DeepLocal*

Social Network Sharing

Session Chair: D. Fisher, *Microsoft*

1253 Follow the Reader: Filtering Comments on Slashdot
C. Lampe, E. Johnston, P. Resnick, *University of Michigan*

1263 *Recent Shortcuts:* Using Recent Interactions to Support Shared Activities
J. C. Tang, J. Lin, J. S. Pierce, *IBM Research*
S. Whittaker, *The University of Sheffield*
C. Drews, *IBM Research*

1273 CoMedia: Mobile Group Media for Active Spectatorship
G. Jacucci, A. Oulasvirta, T. Ilmonen, J. Evans, A. Salovaara, *Helsinki University of Technology & University of Helsinki*

Augmentation, Automation & Agents

Session Chair: A. Blackwell, *Cambridge University*

1283 Demonstrating the Viability of Automatically Generated User Interfaces
J. Nichols, *IBM Almaden Research Center*
D. H. Chau, *Carnegie Mellon University*
B. A. Myers, *Carnegie Mellon University*

1293 The Role of Choice and Customization on Users' Interaction with Embodied Conversational Agents: Effects on Perception and Performance
J. Xiao, J. Stasko, R. Catrambone, *Georgia Institute of Technology*

Distributed Coordination

Session Chair: J. Tang, *IBM*

1303 Seconds Matter: Improving Distributed Coordination by Tracking and Visualizing Display Trajectories
M. Fraser, M. R. McCarthy, M. Shaukat, P. Smith, *University of Bristol*

1313 FASTDash: A Visual Dashboard for Fostering Awareness in Software Teams
J. T. Biehl, *University of Illinois at Urbana*
M. Czerwinski, G. Smith, G. G. Robertson, *Microsoft Research*

1323 A Study of Emergency Response Work: Patterns of Mobile Phone Interaction
J. Landgren, U. Nulden, *Viktoria Institute*

Usability

Session Chair: D. Wixon, *Microsoft*

1333 ExperiScope: An Analysis Tool for Interaction Data
F. Guimbretière, M. Dixon, *University of Maryland*
K. Hinckley, *Microsoft Research*

1343 Context & Usability Testing: User-Modeled Information Presentation in Easy and Difficult Driving Conditions
J. Hu, *Stanford University*
A. Winterboer, *University of Edinburgh*
C. I. Nass, *Stanford University*
J. D. Moore, *University of Edinburgh*
R. Illowsky, *Stanford University*

1347 Tracking the Interaction of Users with AJAX Applications for Usability Testing
R. Atterer, *University of Munich*
A. Schmidt, *University of Bonn*

Kids & Family

Session Chair: J. Zimmerman, *Carnegie Mellon University*

1351 Grow and Know: Understanding Record-Keeping Needs for Tracking the Development of Young Children
J. A. Kientz, R. I. Arriaga, M. Chetty, G. R. Hayes, J. Richardson, S. N. Patel, G. D. Abowd, *Georgia Institute of Technology*

1361 Sharing Motion Information with Close Family and Friends
F. Bentley, C. Metcalf, *Motorola Laboratories*

1371 Comicboarding: Using Comics as Proxies for Participatory Design with Children
N. Moraveji, *Microsoft Research Asia*
J. Li, *Brown University*
J. Ding, *University of Michigan*
P. O'Kelley, S. Woolf, *Microsoft Corporation*

Alternative Interaction

Session Chair: M. Beaudouin-Lafon, *Université Paris-Sud*

1375 Pressure Marks
G. Ramos, R. Balakrishnan, *University of Toronto*

1385 Augmenting the Mouse with Pressure Sensitive Input

J. Cechanowicz, *University of Saskatchewan*
P. Irani, *University of Manitoba*
S. Subramanian, *University of Saskatchewan*

1395 earPod: Eyes-free Menu Selection using Touch Input and Reactive Audio Feedback
S. Zhao, P. Dragicevic, M. Chignell, R. Balakrishnan, *University of Toronto*
P. Baudisch, *Microsoft Research*

Usability Evaluation

Session Chair: R. Jeffries, *Google*

1405 What Happened to Remote Usability Testing? An Empirical Study of Three Methods
M. S. Andreasen, *Systematic A/S*
H. V. Nielsen, *Aalborg University*
S. O. Schrøder, *Danske Bank Group*
J. Stage, *Aalborg University*

1415 Usability Testing: What Have We Overlooked?

G. Lindgaard, *Carleton University*
J. Chattratichart, *Kingston University*

1425 *Touchstone:* Exploratory Design of Experiments
W. E. Mackay, *INRIA & LRI, Univ. Paris-Sud & CNRS*
C. Appert, M. Beaudouin-Lafon,O. Chapuis, Y. Du, *LRI, Université Paris-Sud & CNRS and INRIA*
J.-D. Fekete, *INRIA & LRI, Univ. Paris-Sud & CNRS*
Y. Guiard, *LMP, CNRS & Université Mediterranee*

Programming By & With End-Users

Session Chair: L. Nelson, *PARC*

1435 Making Mashups with Marmite: Towards End-User Programming for the Web
J. Wong, J. I. Hong, *Carnegie Mellon University*

1445 VIO: A mixed-initiative approach to learning and automating procedural update tasks
J. Zimmerman, A. Tomasic, I. Simmons, I. Hargraves, K. Mohnkern, J. Cornwell, R. M. McGuire, *Carnegie Mellon University*

1455 Storytelling Alice Motivates Middle School Girls to Learn Computer Programming
C. Kelleher, R. Pausch, S. Kiesler, *Carnegie Mellon University*

Trust & Engagement

Session Chair: T. Winograd, *Stanford University*

1465 MultiView: Improving Trust in Group Video Conferencing Through Spatial Faithfulness

D. Nguyen, J. Canny, *University of California at Berkeley*

1475 Presence and Engagement in an Interactive Drama
S. Dow, M. Mehta, E. Harmon, B. MacIntyre, *Georgia Institute of Technology*
M. Mateas, *University of California at Santa Cruz*

1485 Engaging Constable: Revealing Art with New Technology
D. vom Lehn, J. Hindmarsh, P. Luff, C. Heath, *King's College London*

Models of Mobile Interaction

Session Chair: R. St. Amant, *North Carolina State University*

1495 Modeling Human Performance of Pen Stroke Gestures
X. Cao, *IBM Almaden Research Center & University of Toronto*
S. Zhai, *IBM Almaden Research Center*

1505 Keystroke-Level Model for Advanced Mobile Phone Interaction
P. Holleis, F. Otto, H. Hußmann, *University of Munich*
A. Schmidt, *University of Bonn*

1515 An Extended Keystroke Level Model (KLM) for Predicting the Visual Demand of In-Vehicle Information Systems
M. Pettitt, G. Burnett, *University of Nottingham*
A. Stevens, *TRL Ltd.*

Color/Blind

Session Chair: S. Feiner, *Columbia University*

1525 Towards Developing Assertive Haptic Feedback for Visually Impaired Internet Users

R. Kuber, W. Yu, G. McAllister, *Queen's University Belfast*

1535 An Interface to Support Color Blind Computer Users
L. Jefferson, R. Harvey, *University of East Anglia*

1539 An Adaptive & Adaptable Approach to Enhance Web Graphics Accessibility for Visually Impaired People
C. C. Tan, W. Yu, G. McAllister, *Queen's University Belfast*

Social Influence

Session Chair: E. Churchill, *Yahoo!*

1543 Modeling the Impact of Shared Visual Information on Collaborative Reference
D. Gergle, *Northwestern University*
C. P. Rosé, *Carnegie Mellon University*
R. E. Kraut, *Carnegie Mellon University*

1553 Similarity Is More Important than Expertise: Accent Effects in Speech Interfaces
N. Dahlbäck, *Linköping University*
QY. Wang, C. Nass, *Stanford University*
J. Alwin, *Linköping University*

1557 Provoking Sociability
B. Foucault, *Northwestern University*
H. M. Mentis, *Pennsylvania State University*
P. Sengers, *Cornell Information Science*
D. Welles, *Intel Corporation*

1561 Social Responses to Virtual Humans: Implications for Future Interface Design
C. Zanbaka, A. Ulinski, P. Goolkasian, L. F. Hodges, *University of North Carolina at Charlotte*

Learning

Session Chair: M. Twidale, *University of Illinois*

1571 Hard Lessons: Effort-Inducing Interfaces Benefit Spatial Learning
A. Cockburn, *University of Canterbury*
P. O. Kristensson, *Linköpings Universitet*
J. Alexander, *University of Canterbury*
S. Zhai, *IBM Almaden Research Center*

1581 Multiple Mice for Retention Tasks in Disadvantaged Schools
U. S. Pawar, *Microsoft Research India*
J. Pal, *University of California at Berkeley*
R. Gupta, *Microsoft Research India*
K. Toyama, *Microsoft Research India*

1591 Strategies for Accelerating On-line Learning of Hotkeys
T. Grossman, P. Dragicevic, R. Balakrishnan, *University of Toronto*

1601 Author Index

1605 Keyword Index

Chair's Welcome

Welcome to CHI 2007! CHI is the premier international conference on human-computer interaction (HCI). This year we gather to celebrate our 25th anniversary: reflecting on all that we have accomplished in the past quarter century, while reaching beyond to the challenges and opportunities of the next.

CHI 2007 has reproduced and refined many of the innovations introduced at CHI 2006 in Montreal. The main conference program again takes place over four days, and courses have been scheduled in parallel with other program sessions. In keeping with the Reach Beyond theme you'll find considerable variety in papers and notes found in these two archival volumes, as well as in the Extended Abstracts that document other conference events (interactive sessions, experience reports, interactivity, SIGs, and student competitions). We continue to have contributions from individuals involved in our many communities—design, education, engineering, management, research, and usability. Many of the papers, notes, and other events are cross-cutting, appealing to multiple communities.

San Jose is a fitting location for CHI's 25th anniversary, given the substantial contributions that HCI researchers and practitioners from the Silicon Valley have made over the years. While you are here, try to find time to get out to explore the area and to interact with attendees from local industry, many of whom are participating in our sponsorship and exhibition program. For those of you who will be here an extra day, participate in the lab tours that area companies are offering on Friday. As always at CHI, there is much to do, much to see, much to learn.

We hope you enjoy this year's conference.

Mary Beth Rosson
CHI 2007 Conference Chair

David Gilmore
Technical Program Chair

Welcome from the Papers and Notes Chairs

Welcome to the CHI 2007 proceedings. We believe the technical papers and notes herein present some of the best current work in the diverse and dynamic field of human-computer interaction (HCI).

CHI is the leading HCI conference. Creating the technical program requires a huge investment of time and effort from members of the research community. 840 submissions were processed (571 papers, 269 notes), requiring over 3000 reviews. We thank all the reviewers for the dedication with which they undertook this task. We are particularly indebted to the papers and notes program committee members, also known as the Associate Chairs (ACs). Balancing areas of expertise, ACs were selected from the field's leading researchers. The AC role included recruiting all reviewers, moderating and supervising the review process to ensure a high-quality set of reviews was obtained, initiating and organizing author rebuttal and reviewer discussions and approving final submissions. The estimated time expenditure to serve as an AC was 11 days of full-time work; many committee members spent more time than that. Papers ACs came to San Jose in December 2006 from around the world for two intense days of review, debates, and deliberation; Notes ACs who could not attend the parallel notes meeting in San Jose engaged in a virtual conference. The committee was extremely serious and careful in making CHI paper and note decisions, with many submissions receiving multiple discussions, before and during the program committee meetings. No review process can guarantee perfect decisions, but we are confident that every possible effort was made to ensure fair process and high quality decision-making. This year's program committee certainly has our respect and gratitude, and deserves the sincere appreciation of the entire HCI community. We would also like to thank the ACs and their organizations for underwriting the travel expenses for meetings.

CHI is both a journal-quality archival forum and a community-building conference. To encourage quality in the written presentation of accepted work, all of the 142 full paper and 40 note acceptances were provisional. As a result, authors actively responded and incorporated feedback from the reviews into the final versions of the papers that appear here.

Twenty-eight accepted papers and four accepted notes (5% of submissions) deemed to make an especially noteworthy contribution to human-computer interaction research were nominated by the program committee for Best Paper and Best Note Awards; these nominated papers and notes are identified in the Final Program. At the conference, up to six of these will be announced as winners of a CHI Best Paper Award (1% of submissions), and one note will be selected as an exemplary note. While all papers accepted into the CHI technical papers program have passed a rigorous examination of their quality, the Best Paper and Best Notes Awards signal and reward particularly outstanding contributions in each year.

We are confident you will enjoy the papers program at CHI 2007 and find the work reported to be of lasting value.

Stephen Payne, Bo Begole, Elizabeth Churchill and Rob St Amant
CHI Papers and Notes Chairs, CHI 2007

From ACM SIGCHI's President and Vice President for Conferences

Welcome to CHI 2007! SIGCHI is proud to sponsor the premier annual conference in the field of human-computer interaction. Many notable events and advances in HCI have taken place at past CHI conferences, and this year is no exception. We are also extremely grateful to Mary Beth Rosson, the CHI 2007 Conference Chair, David Gilmore, the CHI 2007 Technical Program Chair, and their entire committee for putting together such an impressive program and experience.

The CHI conference, sponsored by ACM's Special Interest Group on Computer-Human Interaction (SIGCHI), is an ideal forum for people to meet, both formally and informally, to exchange views, to share experiences, and to learn. This conference brings together professionals from research and practice; people from industry, academia, and government; long-time veterans of HCI and newly emerging students and professionals; all in an environment designed to encourage interaction. We invite you to take an active part in that interaction--introduce yourself to people, interact with presenters and speakers, renew old friendships or make new ones.

SIGCHI is an international group of professionals who share an interest in the many diverse facets of HCI. SIGCHI is committed both to advancing the field of HCI and to facilitating exchange of information within the SIGCHI community. While the CHI conference is the single most visible activity of SIGCHI, we also sponsor and support a wide range of more specialized conferences in areas ranging from interactive system design to user interface technology to computer-supported cooperative work to user interfaces imbued with artificial intelligence. Please consult the SIGCHI conference schedule, or visit our website at http://www.sigchi.org/ for more information.

SIGCHI and ACM also produce some of the most highly respected publications in the field. All members receive *interactions*, a highly-acclaimed magazine covering the broad field of HCI and user interface design. ACM Transactions on Computer-Human Interaction, now in its 13th year, is our flagship journal--a quarterly publication with the top-quality archival research aimed at researchers and those translating research into practice. To help members keep up in these fast-paced times, we also publish an on-line newsletter--SIGCHI Bulletin--with information about SIGCHI's activities and news in the field.

SIGCHI is truly an international organization, with 65 chapters in 30 countries on six continents. We encourage all SIGCHI members to join their local chapter - or if there isn't one in your area, we would love to help you create one. And don't forget virtual communities! SIGCHI hosts dozens of electronic mailing lists on topics ranging from HCI and the Web, to HCI education, to public policy and beyond. These lists range from dozens of subscribers to thousands, and are an excellent way to keep up with the field and with friends.

Finally, on behalf of ACM SIGCHI, we again want to thank the conference committee and all of the hundreds of volunteers who make this conference possible. Their work makes this a rewarding experience for each of us.

Julie A. Jacko
SIGCHI President

Dennis Wixon
SIGCHI Vice-President for Conferences

About SIGCHI and ACM

CHI 2007 is sponsored by ACM's Special Interest Group on Computer-Human Interaction (ACM SIGCHI). The scope of SIGCHI consists of the study of the human-computer interaction processes and includes research, design, development, and evaluation efforts for interactive computer systems. The focus of SIGCHI is on how people communicate and interact with a broadly-defined range of computer systems. SIGCHI serves as a forum for the exchange of ideas among computer scientists, human factors scientists, psychologists, social scientists, system designers, and end users. Nearly 5,000 professional members of the SIGCHI community work together toward common goals and objectives.

ACM, the Association for Computing Machinery http://www.acm.org, is an educational and scientific society uniting the world's computing educators, researchers and professionals to inspire dialogue, share resources and address the field's challenges. ACM strengthens the profession's collective voice through strong leadership, promotion of the highest standards, and recognition of technical excellence. ACM supports the professional growth of its members by providing opportunities for life-long learning, career development, and professional networking.

ACM offers its more than 80,000 global members cutting-edge technical information through world class journals and magazines, dynamic special interest groups and globally recognized conferences.

MANAGEMENT

Conference Chair
Mary Beth Rosson, *The Pennsylvania State University,* USA

Technical Program Chair
David Gilmore, *Intel,* USA

Conference Chair's Administrator
Helena M. Mentis, *The Pennsylvania State University,* USA

Communications Chair
Marta Rey-Babarro, *University of Michigan,* USA

ACM SIGCHI Program Coordinator
Brooke Hardy, *ACM,* USA

ACM SIGCHI Vice Chair for Conferences
Dennis Wixon, *Microsoft,* USA

TECHNICAL PROGRAM

Papers Co-Chairs
James 'Bo' Begole, *PARC,* USA
Stephen Payne, *University of Manchester,* UK

Notes Co-Chairs
Elizabeth F. Churchill, *Yahoo!,* USA
Rob St. Amant, *North Carolina State University,* USA

Workshops Co-Chairs
Margaret Burnett, *Oregon State University,* USA
J. J. Cadiz, *Microsoft,* USA

Courses Co-Chairs
Jean Scholtz, *Pacific Northwest National Laboratory,* USA
Susan Palmiter, *Design Technologies, Inc.,* USA

Interactivity Co-Chairs
Lars Erik Holmquist, *Swedish Institute of Computer Science,* Sweden
Tom Igoe, *ITP, NYU,* USA

Work-in-Progress Co-Chairs
Catalina Danis, *IBM,* USA
Scott McCrickard, *Virginia Polytechnic Institute and State University,* USA

Doctoral Consortium Co-Chairs
Deborah Tatar, *Virginia Polytechnic Institute and State University,* USA
Tom Rodden, *University of Nottingham*, UK

Student Design Competition
Steven A. Wall, *University of Glasgow,* UK
Ilona Posner, *Usability Consultant,* Canada

Student Research Competition
Kori M. Inkpen, *Dalhousie University,* Canada
Robert C. Miller, *MIT,* USA

alt.chi Co-Chairs
Lars Erik Holmquist, *Swedish Institute of Computer Science,* Sweden
Barry Brown, *University of Glasgow,* UK

Best of CHI Awards Chair
Wendy A. Kellogg, *IBM,* USA

COMMUNITY CHAIRS

Design Co-Chairs
Jon Kolko, *Savannah College of Art and Design,* USA
Bill Lucas, *MAYA Design,* USA

Education Co-Chairs
Scott Berkun, *Scott Berkun Consulting,* USA
Charles van der Mast, *Delft University of Technology,* the Netherlands

Engineering Co-Chairs
Alan Blackwell, *Cambridge University,* UK
John 'Scooter' Morris, *University of California, San Francisco,* USA

Management Co-Chairs
Scott Berkun, *Scott Berkun Consulting,* USA
Jeremy Ashley, *Oracle,* USA

Research Chair
David Gilmore, *Intel,* USA

Usability Co-Chairs
Carol Righi, *Perficient,* USA
Janice James, *Perficient,* USA

PARTICIPATION AND VOLUNTEERING CHAIRS

Mentoring Co-Chairs
Michael J. Muller, *IBM,* USA
Kumiyo Nakakoji, *University of Tokyo & SRA-KTL Inc.,* Japan

Student Volunteer Co-Chairs
Cliff Lampe, *Michigan State University,* USA
Kirstie Hawkey, *Dalhousie University,* Canada

CHI Madness Co-Chairs
Patrick Baudisch, *Microsoft,* USA
Gonzalo Ramos, *University of Toronto,* Canada

OPERATIONS

Sponsors & Exhibits Coordinator
Carol Klyver, *Foundations of Excellence,* USA

Logistics
Janeé Pelletier, *Conference & Logistics Consultants,* USA

Technology Liaison
John 'Scooter' Morris, *University of California, San Francisco,* USA

Reviewing Software
James Stewart, *Precision Conference Solutions,* Canada

Registration
Deb Bartlett, *Executive Events,* USA
Yvonne Lopez, *Executive Events,* USA

e-Publications Coordinator
Joshua B. Gross, *The Pennsylvania State University,* USA

Online Community Designer
Dejin Zhao, *The Pennsylvania State University,* USA

Print Publications Co-Chairs
Lana Krolikowski, *Ford Motor Company,* USA
Kathy Seyama, *Qualcomm Inc.,* USA

Local Arrangements Chair
Jennifer Gove, *Google,* USA

PAPERS ASSOCIATE CHAIRS

Anne Anderson, *University of Dundee*, UK
Paul Aoki, *Intel*, USA
Brian Bailey, *University of Illinois*, USA
Jakob Bardram, *University of Aarhus*, Denmark
Patrick Baudisch, *Microsoft*, USA
Rachel Bellamy, *IBM*, USA
Ann Blandford, *University College London*, UK
Stephen Brewster, *University of Glasgow*, UK
Pamela Briggs, *Northumbria University*, UK
John Canny, *Univeristy of California, Berkeley*, USA
Stuart Card, *PARC*, USA
John Carroll, *The Pennsylvania State University*, USA
Maria Francesca Costabile, *Univerisity Bari*, Italy
Edward Cutrell, *Microsoft*, USA
Mary Czerwinski, *Microsoft*, USA
Anind Dey, *Carnegie Mellon University*, USA
Keith Edwards, *Georgia Institute of Technology*, USA
Steven Feiner, *Columbia University*, USA
Jodi Forlizzi, *Carnegie Mellon University*, USA
Susan Fussell, *Carnegie Mellon University*, USA
Carl Gutwin, *University of Saskatchewan*, Canada
Beverly Harrison, *Intel*, USA
Steven Harrison, *Virginia Polytechnic Institute and State University*, USA
Anthony Hornof, *University of Oregon*, USA
Andrew Howes, *University of Manchester*, UK
Scott Hudson, *Carnegie Mellon University*, USA
Kori Inkpen, *Dalhousie University*, Canada
Robert Jacob, *Tufts University*, USA
Wendy Kellogg, *IBM,* USA
Sara Kiesler, *Carnegie Mellon University*, USA
Scott Klemmer, *Stanford University*, USA
Boriana Koleva, *University of Nottingham*, UK
David McDonald, *University of Washington*, USA
Joanna McGrenere, *University of Brisith Columbia*, Canada
Bonnie Nardi, *University of California, Irvine*, USA
Kenton O'Hara, *Hewlett-Packard*, UK
Claire O'Malley, *University of Nottingham*, UK
Yvonne Rogers, *Open University*, UK
mc schraefel, *University of Southampton*, UK
Abigail Sellen, *Microsoft*, UK
Chia Shen, *Mitsubishi Electric Research Labs*, USA
Ian Smith, *Intel*, USA
John Stasko, *Georgia Institute of Technology*, USA
Alistair Sutcliffe, *University of Manchester*, UK
John Tang, *IBM*, USA
Deborah Tatar, *Virginia Polytechnic Institute and State University*, USA
John Thomas, *IBM* , USA
Michael Twidale, *University of Illinois*, USA
Gina Venolia, *Microsoft*, USA
Leon Watts, *University of Bath*, UK
Terry Winograd, *Stanford University*, USA
Allison Woodruff, *Intel*, USA
Shumin Zhai, *IBM*, USA
John Zimmerman, *Carnegie Mellon University*, USA

PAPERS REVIEWERS

Gregory Abowd, *Georgia Tech,* USA
Mark Ackerman, *University of Michigan,* USA
Piotr Adamczyk, *University of Illinois, Urbana-Champaign,* USA
Maneesh Agrawala, *Microsoft,* USA
David Ahlstroem, *University of Klagenfurt,* Austria
Ryan Aipperspach, *Intel,* USA
David Akers, *Stanford University,* USA
Fahim Akhter, *Zayed University,* United Arab Emirates
Jennifer Allanson, *Independent,* UK
Meghan Allen, *University of British Columbia,* Canada
Nancy Alvarado, *California State Polytechnic University, Pomona,* USA
Brian Amento, *AT&T,* USA
Morgan Ames, *Stanford University,* USA
Einat Amitay, *IBM,* Israel
Tue Andersen, *University of Copenhagen,* Denmark
Richard J Anderson, *University of Washington,* USA
Anne Anderson, *University of Dundee,* UK
Alissa Antle, *Simon Fraser University,* Canada
Pedro Antunes, *University of Lisboa,* Portugal
Paul Aoki, *Intel,* USA
Ernesto Arroyo, *MIT,* USA
Brent Auernheimer, *California State University, Fresno,* USA
Anne Aula, *Tampere University of Techonlogy,* Finland
Daniel Avrahami, *Carnegie Mellon University,* USA
Jeff Axup, *University of Queensland,* Australia
Tamara Babaian, *Bentley College,* USA
Paula Bach, *The Pennsylvania State University,* USA
Maribeth Back, USA
Ronald Baecker, *University of Toronto,* Canada
Jeremy Bailenson, *Stanford University,* USA
Brian Bailey, *University of Illinois,* USA
Lynne Baillie, *Forschungszentrum Telekommunikation Wien,* Austria
Ryan Baker, *University of Nottingham,* UK
Ravin Balakrishnan, *University of Toronto,* Canada
Sandrine Balbo, *The University of Melbourne,* Australia
Jakob Bardram, *University of Aarhus,* Denmark
Jeffrey Bardzell, *Indiana University,* USA
Shaowen Bardzell, *Indiana University,* USA
Louise Barkhuus, *University of Glasgow,* UK
Bill Barnert, *Tufts Uiniversity,* USA
Armando Barreto, *Florida International University,* USA
Christoph Bartneck, *Eindhoven University of Technology,* The Netherlands
John Barton, *IBM,* USA
Lyn Bartram, *Simon Fraser University,* Canada
Sumit Basu, *Microsoft,* USA
Steven Bathiche, *Microsoft,* USA
Katja Battarbee, *University of Art and Design, Helsinki,* Finland
Thomas Baudel, *ILOG,* France
Patrick Baudisch, *Microsoft,* USA
Konrad Baumann, *FH Joanneum School of Information Design,* Austria
Russell Beale, *University of Birmingham,* UK
Michel Beaudouin-Lafon, *Université Paris-Sud,* France
Kent Beck, *Three Rivers Institute,* USA
Andrew Begel, *Microsoft,* USA
James "Bo" Begole, *PARC,* USA
Wolfgang Beinhauer, *Fraunhofer Institute for Industrial Engineering,* Germany
Marek Bell, *University of Glasgow,* UK
Blaine Bell, *Schrodinger,* USA
Rachel Bellamy, *IBM,* USA
Peter Benda, *The University of Melbourne,* Australia
Steve Benford, *University of Nottingham,* UK
Hrvoje Benko, *Columbia University,* USA
David Benyon, *Napier University,* UK
Regina Bernhaupt, *Salzburg University,* Austria
Nadia Berthouze, *University College London,* UK
Katie Bessiere, *Carnegie Mellon University,* USA
Nigel Bevan, *Profesional Usability Services,* UK
Anastasia Bezerianos, *University of Toronto,* Canada
Suresh Bhavnani, *University of Michigan,* USA
Timothy Bickmore, *Northeastern University,* USA
Jacob Biehl, *University of Illinois, Urbana-Champaign,* USA
Tora Bikson, *RAND,* USA
Matt Billings, *Univeristy of Bath,* UK
Jeremy Birnholtz, *University of Toronto,* Canada
Staffan Björk, *Interactive Institute,* Sweden
Marilyn Blackmon, *University of Colorado,* USA
Alan Blackwell, *University of Cambridge,* UK
Ann Blandford, *University College London,* UK
Eli Blevis, *Indiana University,* USA

Jeanette Blomberg, *IBM,* USA
Sara Bly, *Sara Bly Consulting,* USA
Susanne Bodker, *University of Aarhus,* Denmark
Shawn Bohner, *Virginia Polytechnic Institute and State University,* USA
Agnieszka Bojko, *User Centric, Inc.,* USA
Kellogg Booth, *University of British Columbia,* Canada
Jan Borchers, *RWTH Aachen University,* Germany
Katy Borner, *Indiana University,* USA
Gaetano Borriello, *University of Washington,* USA
Claus Bossen, *University of Aarhus,* Denmark
Dominic Bouwhuis, *Eindhoven University of Technology,* the Netherlands
Doug Bowman, *Virginia Polytechnic Institute and State University,* USA
Danah Boyd, *University of California, Berkeley,* USA
Erin Bradner, *University of California, Irvine,* USA
Susan Brennan, *Stoney Brook, SUNY,* USA
Stephen Brewster, *University of Glasgow,* UK
Pamela Briggs, *Northumbria University,* UK
Derek Brock, *Naval Research Laboratory,* USA
Christina Brodersen, *University of Aarhus,* Denmark
Lorna Brown, *Microsoft,* UK
Barry Brown, *University of Glasgow,* UK
Georgina Browne, *Microsoft,* UK
Amy Bruckman, *Georgia Institute of Technology,* USA
Duncan Brumby, *Drexel University,* USA
A.J. Brush, *Microsoft,* USA
Nick Bryan-Kinns, *Queen Mary College, University of London,* UK
Mike Brzozowski, *Hewlett-Packard,* USA
Raluca Budiu, *PARC,* USA
Stephanie Buisine, *LCPI-ENSAM,* France
Andrea Bunt, *University of British Columbia,* Canada
Jamika Burge, *Virginia Polytechnic Institute and State University,* USA
Moira Burke, *Carnegie Mellon University,* USA
Gary Burnett, *University of Nottingham,* UK
Daniela Busse, *SAP,* USA
Kirsten Butcher, *University of Pittsburgh,* USA
William Buxton, *Buxton Design,* Canada
JJ Cadiz, *Microsoft,* USA
Paul Cairns, *University College London,* UK
Licia Calvi, *Katholieke Universiteit Leuven,* Belgium
John Canny, *University of California, Berkeley,* USA
Xiang Cao, *University of Toronto,* Canada
Stuart Card, *PARC,* USA
Andy Carle, *University of California, Berkeley,* USA
Alex Carmichael, *University of Dundee,* UK
Stefan Carmien, *University of Colorado, Boulder,* USA
Sheelagh Carpendale, *University of Calgary,* Canada
Luis Carriço, *University of Lisbon,* Portugal
John Carroll, *The Pennsylvania State University,* USA
Justine Cassell, *Northwestern University,* USA
Anxo Cereijo Roibas, *University of Brighton,* UK
Ann-Marie Chadwick-Dias, *Fidelity Investments,* USA
Matthew Chalmers, *University of Glasgow,* UK
Michele Chang, *Intel,* USA
Angela Chang, *Massachusetts Institute of Technology,* USA
Olivier Chapuis, *Laboratoire de Recherche en Informatique,* France
Mousumi Chatterjee, *Mobius Management Systems,* USA
Dr Jarinee Chattratichart, *Kingston University,* UK
Mike Chen, *Intel,* USA
Lynn Cherny, *Adobe,* USA
Keith Cheverst, *Lancaster University,* UK
Ed Chi, *PARC,* USA
Mark Chignell, *University of Toronto,* Canada
Luca Chittaro, *University of Udine,* Italy
Jan Chong, *Stanford University,* USA
Konstantinos Chorianopoulos, *Bauhaus University of Weimar,* Germany
Georgios Christou, *Cyprus College,* Cyprus
Yu Shan Chuang, *Yahoo!,* USA
Elizabeth Churchill, *PARC,* USA
Luigina Ciolfi, *University of Limerick,* Ireland
Siobhan Clarke, *Trinity College Dublin,* Ireland
Andy Cockburn, *University of Canterbury,* New Zealand
Gilbert Cockton, *University of Sunderland,* UK
Mike Cohen, *Google,* USA
Katherine Connelly, *Indiana University,* USA
Frederick Conrad, *University of Michigan,* USA
Sunny Consolvo, *Intel,* USA
Gregorio Convertino, *The Pennsylvania State University,* USA
Dan Cosley, *University of Minnesota,* USA
Maria Francesca Costabile, *University of Bari,* Italy
Tim Coughlan, *University of Bath,* UK
Scott Counts, *Microsoft,* USA
Lynne Coventry, *NCR,* UK
Andy Crabtree, *University of Nottingham,* UK
Lorrie Cranor, *Carnegie Mellon University,* USA
Andrew Crossan, *University of Glasgow,* UK
Abe Crystal, *University of North Carolina, Chapel Hill,* USA
James Cunningham, *AT&T,* USA
Douglas Cunningham, *University of Tübingen,* Germany
William Curtis-Davidson, *IBM,* USA
Paul Curzon, *Queen Mary College, University of London,* UK
Edward Cutrell, *Microsoft,* USA
Allen Cypher, *IBM,* USA
Sara Czaja, *University of Miami,* USA
Mary Czerwinski, *Microsoft,* USA
Laura Dabbish, *Carnegie Mellon University,* USA
Owen Daly-Jones, *Serco Usability Services,* UK
Ben Daniel, *University of Saskatchewan,* Canada
Catalina Danis, *IBM,* USA
Francoise Darses, *CNAM, Paris,* France
Scott Davidoff, *Carnegie Mellon University,* USA
Richard Davis, *University of California, Berkeley,* USA
Antonella De Angeli, *University of Manchester Institute of Science and Technology,* UK
Oscar de Bruijn, *University of Manchester,* UK
Nadja De Carolis, *University of Bari,* Italy
Wim De Pauw, *IBM,* USA
Cleidson de Souza, *Universidade Federal do Pará,* Brazil
David Dearman, *University of Toronto,* Canada
Uri Dekel, *Carnegie Mellon University,* USA
Leonidas Deligiannidis, *University of Georgia,* USA
Rob DeLine, *Microsoft,* USA
Pieter Desmet, *Delft University of Technology,* The Netherlands
Anind Dey, *Carnegie Mellon University,* USA
Rachna Dhamija, *University of California, Berkeley,* USA
Nicholas Diakopoulos, *Georgia Institute of Technology,* USA
Stephan Diehl, *University of Trier,* Germany
Paul Dietz, *Mitsubishi Electric Research Laboratories,* USA
Joan DiMicco, *Massachusetts Institute of Technology,* USA
Carl DiSalvo, *Carnegie Mellon University,* USA
Alan Dix, *Lancaster University,* UK
Ellen Yi-Luen Do, *Georgia Institute of Technology,* USA
Judith Donath, *Massachusetts Institute of Technology,* USA
Mira Dontcheva, *University of Washington,* USA
John Dowell, *University College London,* UK
Silke Dr. Lang, *ETH Zurich,* Switzerland
Pierre Dragicevic, *University of Toronto,* France
Steven Drucker, *Microsoft,* USA
Benedict du Boulay, *University of Sussex,* UK
Carlos Duarte, *Faculdade de Ciencias da Universidade de Lisboa,* Portugal
Nicolas Ducheneaut, *PARC,* USA

Andrew Duchowski, *Clemson University,* USA
Geoffrey Duggan, *University of Manchester,* UK
Henry Been-Lirn Duh, *Nanyang Technological University,* Singapore
Lynne Dunckley, *Thames Valley University,* UK
Anthony Dunne, *Royal College of Art,* UK
Keith Edwards, *Georgia Institute of Technology,* USA
Kate Ehrlich, *IBM,* USA
Rana El Kaliouby, *University of Cambridge,* UK
Ame Elliott, *PARC,* USA
Dan Ellis, *Columbia Univesity,* USA
Jason Ellis, *IBM,* USA
Niklas Elmqvist, *INRIA Futurs,* France
David England, *Liverpool John Moores University,* UK
Deniz Erdogmus, *Oregon Health and Science University,* USA
Thomas Erickson, *IBM,* USA
Mattias Esbjörnsson, *Mobility, The Interactive Institute,* Sweden
Shelley Evenson, *Carnegie Mellon University,* USA
Katherine Everitt, *University of Washington,* USA
Rod Farmer, *The University of Melbourne,* Australia
Shelly Farnham, *Microsoft,* USA
Umer Farooq, *The Pennsylvania State University,* USA
Robert Farrell, *IBM,* USA
J. Shawn Farris, *Atlantic Human Factors,* USA
Steven Feiner, *Columbia University,* USA
Jean-Daniel Fekete, *INRIA,* France
Sue Fenley, *Reading University,* UK
Bob Fields, *Middlesex University,* UK
Leah Findlater, *University of British Columbia,* Canada
Thomas Finholt, *University of Michigan,* USA
Glenn Fink, *Pacific Northwest National Laboratory,* USA
Janet Finlay, *Leeds Metropolitan University,* UK
Andrew Fiore, *University of California, Berkeley,* USA
Brian Fisher, *University of British Columbia,* Canada
Danyel Fisher, *Microsoft,* USA
George Fitzmaurice, *Autodesk,* Canada
Geraldine Fitzpatrick, *University of Sussex,* UK
Morten Fjeld, *Chalmers University of Technology,* Sweden
James Fogarty, *University of Washington,* USA
Andrew Fogg, UK
Eelke Folmer, *University of Nevada, Reno,* USA
Clifton Forlines, *Mitsubishi Electric Research Laboratories,* USA
Jodi Forlizzi, *Carnegie Mellon University,* USA
Andrea Forte, *Georgia Institute of Technology,* USA
Brooke Foucault, *Northwestern University,* USA
Katie Fraser, *University of Nottingham,* UK
Mike Fraser, *University of Bristol,* UK
Adrian Friday, *Lancaster University,* UK
Batya Friedman, *University of Washington,* USA
Bernd Froehlich, *Bauhaus-Universität Weimar,* Germany
Jon Froehlich, *University of Washington,* USA
Peter Fröhlich, *Telecommunications Research Center Vienna,* Austria
Erik Frøkjær, *Københavns Universitet,* Denmark
Robert Fuller, *University of Tennessee,* USA
George Furnas, *University of Michigan,* USA
Susan Fussell, *Carnegie Mellon University,* USA
Krzysztof Gajos, *University of Washington,* USA
Craig Ganoe, *The Pennsylvania State University,* USA
Michael Gardner, *University of Essex,* UK
Simson Garfinkel, *Massachusetts Institute of Technology,* USA
Franca Garzotto, *HOC-Politecnico di Milano,* Italy
William Gaver, *Goldsmiths College,* UK
Shirley Gaw, *Princeton University,* USA
Erik Geelhoed, *Hewlett-Packard,* UK
Jim Gemmell, *Microsoft,* USA
Darren Gergle, *Northwestern University,* USA
Werner Geyer, *IBM,* USA
Elisa Giaccardi, *University of Colorado, Boulder,* USA
Juan Gilbert, *Auburn University,* USA
Audrey Girouard, *Tufts University,* USA
Paul Gnanayutham, *University of Portsmouth,* UK
Rachel Gockley, *Carnegie Mellon University,* USA
Carsten Goerg, *Georgia Institute of Technology,* USA
Jennifer Golbeck, *University of Maryland, College Park,* USA
Scott Golder, *Hewlett-Packard,* USA
Victor Gonzalez, *University of Manchester,* UK
Monica Gonzalez Veron, *Carnegie Mellon University,* USA
Lance Good, *PARC,* USA
Kim Goodwin, *Cooper,* USA
Dina Goren-Bar, *Ben-Gurion University,* Israel
Dorian Gorgan, *Technical University of Cluj-Napoca,* Romania
Peter Gorny, *University of Oldenburg,* Germany
Jeremy Gow, *University College London,* UK
Denis Gracanin, *Virginia Polytechnic Institute and State University,* USA
Peter Graf, *University of British Columbia,* Canada
Andrina Granic, *University of Split,* Croatia
Rego Granlund, *Linköping University,* Sweden
Wayne Gray, *Rensselaer Polytechnic Institute,* USA
Paul Green, *University of Michigan Transportation Research Institute,* USA
Saul Greenberg, *University of Calgary,* Canada
Dan Grigorovici, *The Pennsylvania State University,* USA
Andrea Grimes, *Georgia Institute of Technology,* USA
Georges G. Grinstein, *University of Massachusetts, Lowell,* USA
Rebecca Grinter, *Georgia Institute of Technology,* USA
Kaj Gronbak, *University of Aarhus,* Denmark
Joshua Gross, *The Pennsylvania State University,* USA
Ben Gross, *University of Illinois, Urbana-Champaign,* USA
Mark Gross, *Carnegie Mellon University,* USA
Tom Gross, *Bauhaus-University Weimar,* Germany
Tovi Grossman, *University of Toronto,* Canada
Jonathan Grudin, *Microsoft,* USA
Zhiwei Guan, *University of Washington, Seattle,* USA
Catherine Guastavino, *McGill University,* Canada
Agnes Guerraz, *INRIA,* France
Yves GUIARD, *CNRS & U2 Marseille France,* France
Francois Guimbretiere, *University of Maryland,* USA
Anuj Gujar, *DARTdevices Corporation,* USA
Carl Gutwin, *University of Saskatchewan,* Canada
Jonna Häkkilä, *Nokia,* Finland
Michael Haller, *Upper Austria University of Applied Sciences,* Austria
John Halloran, *Coventry University,* UK
Tim Halverson, *University of Oregon,* USA
Christine Halverson, *IBM,* USA
Tracy Hammond, *Texas A&M University,* USA
Kari Hamnes, *Telenor R&D,* Norway
Jeff Hancock, *Cornell University,* USA
John Paulin Hansen, *University of Copenhagen,* Denmark
Richard Harper, *Microsoft,* UK
Steve Harrison, *Virginia Polytechnic Institute and State University,* USA
Beverly Harrison, *IBM,* USA
Bjoern Hartmann, *Stanford University,* USA
Marc Hassenzahl, *University of Koblenz-Landau,* Germany
Kirstie Hawkey, *Dalhousie University,* Canada
Gillian Hayes, *Georgia Institute of Technology,* USA
Steven Haynes, *The Pennsylvania State University,* USA
James Hays, *Carnegie Mellon University,* USA

Richard Hazlett, *The Johns Hopkins University,* USA
William Hazlewood, *Indiana University, Bloomington,* USA
Jeffrey Heer, *University of California, Berkeley,* USA
Ilona Heldal, *Chalmers University of Technology,* Sweden
Austin Henderson, *Pitney Bowes,* USA
Denise Henriques, *York University,* Canada
Daryl Hepting, *University of Regina,* Canada
Morten Hertzum, *Roskilde University,* Denmark
Jonathan Hey, *University of California, Berkeley,* USA
Martin Hicks, *Microsoft,* UK
Ken Hinckley, *Microsoft,* USA
Jon Hindmarsh, *King's College London,* UK
Nicolas Hine, *University of Dundee,* UK
Laurian Hobby, *Virginia Polytechnic Institute and State University,* USA
Harry Hochheiser, *Towson University,* USA
Steve Hodges, *Microsoft,* UK
Blaine Hoffman, *The Pennsylvania State University,* USA
James Hollan, *University of California, San Diego,* USA
Lars Erik Holmquist, *Viktoria Institute,* Sweden
Kate Hone, *Brunel University,* UK
Jason Hong, *Carnegie Mellon University,* USA
Kristina Hook, *Stockholm University,* Sweden
Michael Horn, *Tufts University,* USA
Dan Horn, *U. S. Army Research Institute,* USA
Kasper Hornbæk, *University of Copenhagen,* Denmark
Eva Hornecker, *Technical University Vienna,* Austria
Anthony Hornof, *University of Oregon,* USA
Eric Horvitz, *Microsoft,* USA
Juan Pablo Hourcade, *University of Iowa,* USA
Andrew Howes, *University of Manchester,* UK
Gary Hsieh, *Carnegie Mellon University,* USA
Hao-Wei Hsieh, *Texas A&M University,* USA
Elaine Huang, *Georgia Institute of Technology,* USA
Jim Hudson, *PayPal,* USA
Scott Hudson, *Carnegie Mellon University,* USA
Christopher Hundhausen, *Washington State University,* USA
Anne Hunt, *Microsoft,* USA
Amy Hurst, *Carnegie Mellon,* USA
Dugald Hutchings, *Bowling Green State University,* USA
Hilary Hutchinson, *Google,* USA
Ebba Thora Hvannberg, *University of Iceland,* Iceland
Faustina Hwang, *The University of Reading,* UK
Giovanni Iachello, *Georgia Institute of Technology,* USA
Takeo Igarashi, *The University of Tokyo,* Japan
Tommi Ilmonen, *Helsinki Institute for Information Technology,* Finland
Ohad Inbar, *Ben Gurion University,* Israel
Kori Inkpen, *Dalhousie University,* Canada
Stephen Intille, *Massachusetts Institute of Technology,* USA
Shamsi Iqbal, *University of Illinois, Urbana-Champaign,* USA
Pourang Irani, *University of Manitoba,* Canada
Charles Isbell, *Georgia Institute of Technology,* USA
Katherine Isbister, USA
Edward Ishak, *Columbia University,* USA
Hiroshi Ishii, *Massachusetts Institute of Technology,* USA
Suguru Ishizaki, *QUALCOMM Incorporated,* USA
Poika Isokoski, *University of Tampere,* Finland
Shahram Izadi, *Microsoft,* UK
Robert Jacob, *Tufts University,* USA
Giulio Jacucci, *Helsinki Institute for Information Technology,* Finland
Jhilmil Jain, *Hewlett-Packard,* USA
Frankie James, *SAP,* USA
Anthony Jameson, *German Research Institute for Artificial Intelligence,* Germany
Robin Jeffries, *Google,* USA
Qiang Ji, *Rensselaer Polytechnic Institute,* USA
Hao Jiang, *The Pennsylvania State University,* USA
Orvalho João, *Scytl Secure Electronic Voting,* Spain
Bonnie John, *Carnegie Mellon University,* USA
Christopher Johnson, *University of Glasgow,* UK
Jeff Johnson, *UI Wizards, Inc.,* USA
Adam Joinson, *The Open University,* UK
Steve Jones, *University of Waikato,* New Zealand
M. Cameron Jones, *University of Illinois, Urbana-Champaign,* USA
Matt Jones, *University of Waikato,* New Zealand
Anker Jorgensen, *University of Copenhagen,* Denmark
Wendy Ju, *Stanford University,* USA
Oskar Juhlin, *Interactive Institute,* Sweden
Susanne Jul, USA
Hyunjoon Jung, *Republic of Korea Telecom,* Republic of Republic of Korea
Younbo Jung, *University of Southern California,* USA
Edward Kaiser, *Adapx,* USA
Matthew Kam, *University of California, Berkeley,* USA
Eser Kandogan, *IBM,* USA
Hyunmo Kang, *Human Computer Interaction Lab,* USA
Anu Kankainen, *Idean Research,* Finland
Victor Kaptelinin, *Umeå University,* Sweden
Maria Karam, *University of Southampton,* UK
Clare-Marie Karat, *IBM,* USA
John Karat, *IBM,* USA
Demetrios Karis, *Verizon,* USA
Kristiina Karvonen, *Helsinki University of Technology,* Finland
Hannes Kaufmann, *Institute of Software Technology and Interactive Systems,* Austria
Laura Kauhanen, *Helsinki University of Technology,* Finland
Judy Kay, *University of Sydney,* Australia
Joseph Kaye, *Cornell University,* USA
Simeon Keates, *IBM,* USA
Daniel Keefe, *Brown University,* USA
Melanie Kellar, *Dalhousie University,* Canada
Wendy Kellogg, *IBM,* USA
Jon Kelly, *Vanderbilt University,* USA
Andruid Kerne, *Texas A&M University,* USA
Pekka Ketola, *Nokia,* Finland
Sanshzar Kettebekov, *Keane Inc,* USA
Pedram Keyani, *Carnegie Mellon University,* USA
Azam Khan, *Autodesk,* Canada
Julie Kientz, *Georgia Institute of Technology,* USA
David Kieras, *University of Michigan,* USA
Sara Kiesler, *Carnegie Mellon University,* USA
Jeong Kim, *Carnegie Mellon University,* USA
Hans Kim, *Santa Clara University,* USA
Tim Kindberg, *Hewlett-Packard,* UK
Esin Kiris, *AT&T,* USA
David Kirk, *University of Nottingham,* UK
Arthur Kirkpatrick, *Simon Fraser University,* Canada
Rick Kjeldsen, *IBM,* USA
Gary Klatsky, *Oswego, SUNY,* USA
Scott Klemmer, *Stanford University,* USA
Alexander Klippel, *The Pennsylvania State University,* USA
Amy Ko, *Carnegie Mellon University,* USA
Michael Koch, *Technische Universitaet Muenchen,* Germany
Boriana Koleva, *University of Nottingham,* UK
Jon Kolko, *Savannah College of Art & Design,* USA
Joseph Konstan, *University of Minnesota,* USA
Hannu Korhonen, *Nokia,* Finland
Robert Kosara, *University of North Carolina, Charlotte,* USA
Ilpo Koskinen, *University of Art and Design Helsinki,* Finland
Vassilis Kostakos, *University of Bath,* UK
Paula Kotze, *University of South Africa,* South Africa
Robert Kraut, *Carnegie Mellon University,* USA

Christian Kray, *Newcastle University,* UK
Per Ola Kristensson, *Linkoping University,* Sweden
Peter Krogh, *Arhus School of Architecture,* Denmark
Ernst Kruijff, *Graz University of Technology,* Austria
Manu Kumar, *Stanford University,* USA
Sri Kurniawan, *University of Manchester,* UK
Gordon Kurtenbach, *Autodesk,* Canada
Jennifer Lai, *IBM,* USA
Shyong Lam, *University of Minnesota,* USA
Anthony LaMarca, *Intel,* USA
James Landay, *University of Washington,* USA
Jonas Landgren, *Viktoria Institute,* Sweden
David Lane, *Rice University,* USA
Marc Langheinrich, *ETH Zurich,* Switzerland
Rosa Lanzilotti, *University of Bari,* Italy
Kevin Larson, *Microsoft,* USA
Kent Larson, *Massachusetts Institute of Technology,* USA
Celine Latulipe, *University of Waterloo,* Canada
Tessa Lau, *IBM,* USA
Effie Law, *Swiss Federal Institute of Technology,* Switzerland
Shaun Lawson, *University of Lincoln,* UK
Joonhwan Lee, *Carnegie Mellon University,* USA
John Lee, *University of Iowa,* USA
Bongshin Lee, *Microsoft,* USA
Stelios Lelis, *University of Manchester,* UK
Rock Leung, *University of British Columbia,* Canada
Vincent Levesque, *McGill University,* Canada
Lan Li, *Carnegie Mellon University,* USA
Yang Li, *University of Washington,* USA
Henry Lieberman, *Massachusetts Institute of Technology,* USA
Ann Light, *Queen Mary College, University of London,* UK
Youn-kyung Lim, *Indiana University,* USA
James Lin, *IBM,* USA
James Jeng-Weei Lin, *Siemens,* USA
Gitte Lindgaard, *Carleton University,* Canada
Sian Lindley, *University College London,* England
Matthew Lipson, *Bristol University,* UK
Linda Little, *Northumbria University,* UK
Feng Liu, *Mercer University,* USA
Mark Livingston, *Naval Research Laboratory,* USA
Sara Ljungblad, *Viktoria Institute,* Sweden
Rosemary Luckin, *University of Sussex,* UK
Paul Luff, *King's College London,* UK
Jay Lundell, *Intel,* USA
Saturnino Luz, *Trinity College Dublin,* Ireland
Michael Lyons, *ATR Media Information Science Research Labs,* Japan
Kent Lyons, *Georgia Institute of Technology,* USA
Catriona Macaulay, *University of Dundee,* UK
Liliane Machado, *Federal University of Paraiba,* Brazil
Wendy Mackay, *INRIA,* France
Christine MacKenzie, *Simon Fraser University,* Canada
Karon MacLean, *University of British Columbia,* Canada
Allan MacLean, *Image Semantics Ltd,* UK
Ed Maclin, *University of Illinois, Urbana-Champaign,* USA
Scott Mainwaring, *Intel,* USA
Heidy Maldonado, *Stanford University,* USA
Peter Mambrey, *Fraunhofer FIT,* Germany
Thomas Mandl, *Universität Hildesheim,* Germany
Regan Mandryk, *Dalhousie University,* Canada
Jennifer Mankoff, *Carnegie Mellon University,* USA
Wendy March, *Intel,* USA
Georgios Marentakis, *McGill University,* Canada
Gloria Mark, *University of California, Irvine,* USA
Gary Marsden, *University of Cape Town,* South Africa
Masood Masoodian, *The University of Waikato,* New Zealand
Dominic Massaro, *University of California, Santa Cruz,* USA
Anijo Mathew, *Mississippi State University,* USA
Nicholas Matsakis, *Massachusetts Institute of Technology,* USA
Tara Matthews, *University of California, Berkeley,* USA
Dan Maynes-Aminzade, *Stanford University,* USA
Ali Mazalek, *Georgia Institute of Technology,* USA
Scott McCrickard, *Virginia Polytechnic Institute and State University,* USA
Malcolm Mccullough, *University of Michigan,* USA
Sharon McDonald, *University of Sunderland,* UK
David McDonald, *University of Washington,* USA
Daniel McFarlane, *Lockheed Martin Advanced Technology Laboratories,* USA
David McGee, *Natural Interaction Systems,* USA
Marilyn McGee-Lennon, *University of Glasgow,* UK
Jane McGonigal, *University of California, Berkeley,* USA
David McGookin, *University of Glasgow,* UK
Joanna McGrenere, *University of Brisith Columbia,* Canada
Michael McGuffin, *University of Toronto,* Canada
Sean McNee, *Attenex Corporation,* USA
Timothy McNerney, *Tuva Design,* USA
Guy Melancon, *LIRMM,* France
Cecelia Merkel, *The Pennsylvania State University,* USA
Crysta Metcalf, *Motorola,* USA
Nadyne Mielke, *Microsoft,* USA
Gareth Miles, *University of Glamorgan,* UK
Russell Milham, *Microsoft,* USA
David Millard, *University of Southampton,* UK
Craig Miller, *DePaul University,* USA
Rob Miller, *Massachusetts Institute of Technology,* USA
Karyn Moffatt, *University of British Columbia,* Canada
Tom Moher, *University of Illinois, Chicago,* USA
Andrew Monk, *University of York,* UK
Bob Moore, *PARC,* USA
Tom Moran, *IBM,* USA
Rob Mori, *Sun Microsystems,* USA
Margaret Morris, *Intel,* USA
Meredith Morris, *Microsoft,* USA
Michael Morrissey, *Microsoft,* USA
Emile Morse, *NIST,* USA
Ingrid Mulder, *Telematica Instituut,* The Netherlands
Michael Muller, *IBM,* USA
Bjørn Erik Munkvold, *Agder University College,* Norway
Guadalupe Muñoz, *University Rey Juan Carlos,* Spain
Cosmin Munteanu, *University of Toronto,* Canada
Tamara Munzner, *University of British Columbia,* Canada
Gail Murphy, *University of British Columbia,* Canada
Roderick Murray-Smith, *Glasgow University & Hamilton Institute,* UK
Bilge Mutlu, *Carnegie Mellon University,* USA
Brad Myers, *Carnegie Mellon University,* USA
Elizabeth Mynatt, *Georgia Institute of Technology,* USA
Mor Naaman, *Yahoo!,* USA
Miguel Nacenta, *University of Saskatchewan,* Canada
Kristine Nagel, *Clayton State University,* USA
Bonnie Nardi, *Agilent Technologies,* USA
Clifford Nass, *Stanford University,* USA
Raquel Navarro-Prieto, *Barcelona Media-Innovation Center,* Spain
Lisa Neal, *eLearn Magazine,* USA
Les Nelson, *PARC,* USA
Carman Neustaedter, *University of Calgary,* Canada
Christine Neuwirth, *Carnegie Mellon University,* USA
Alan Newell, *Dundee University,* UK
David Nguyen, *University of California, Irvine,* USA

Tao Ni, *Virginia Polytechnic Institute and State University,* USA
David Nichols, *University of Waikato,* New Zealand
Jeffrey Nichols, *Carnegie Mellon University,* USA
Helen Nissenbaum, *New York University,* USA
Sylvie Noël, *Communications Research Centre,* Canada
Chris North, *Virginia Polytechnic Institute and State University,* USA
Kenton O'Hara, *Hewlett-Packard,* UK
Masao Ohira, *Nara Institute of Science and Technology,* Japan
Dan Olsen, *Brigham Young University,* USA
Gary Olson, *University of Michigan,* USA
Judith Olson, *University of Michigan,* USA
Claire O'Malley, *University of Nottingham,* UK
Hernando Ombao, *University of Illinois,* USA
Eamonn O'Neill, *University of Bath,* UK
Brittney Oppermann, *Rensselaer Polytechnic Institute,* USA
Carljohan Orre, *Umeå University,* Sweden
Chiara Orsingher, *University of Bologna,* Italy
Antti Oulasvirta, *Helsinki Institute for Information Technology,* Finland
Kees Overbeeke, *TU Eindhoven,* the Netherlands
Sharon Oviatt, *Natural Interaction Systems,* USA
Sharon Oviatt, *Oregon Health & Science University,* USA
Volker Paelke, *University of Hannover,* Germany
Andreas Paepcke, *Stanford University,* USA
Leysia Palen, *University of Colorado, Boulder,* USA
Shimei Pan, *IBM,* USA
Bing Pan, *Cornell University,* USA
Tapan Parikh, *University of Washington,* USA
Cecile Paris, *CSIRO,* Australia
Eunkwang Park, *Nanyang Technological University,* Singapore
Caroline Parker, *Glasgow Caledonian University,* UK
J. Karen Parker, *University of British Columbia,* Canada
Timo Partala, *University of Oulu,* Finland
Kurt Partridge, *PARC,* USA
Fabio Paternò, *ISTI-CNR,* Italy
Sameer Patil, *University of California, Irvine,* USA
Andrew Patrick, *National Research Council of Canada,* Canada
Donald Patterson, *University of California, Irvine,* USA
Celeste Paul, *User-Centered Design, Inc.,* USA
Eric Paulos, *Intel,* USA
Andriy Pavlovych, *York University,* Canada
Celia Pearce, *University of California, Irvine,* USA
Thomas Pederson, *Umeå University & Bari University,* Sweden & Italy
Samuli Pekkola, *University of Jyvaskyla,* Finland
Catherine Pelachaud, *University of Paris,* France
Gerald Penn, *University of Toronto,* Canada
Manuel Perez-Quinones, *Virginia Polytechnic Institute and State University,* USA
Mark Perry, *Brunel University,* UK
Christian Peter, *Fraunhofer Institute for Computer Graphics Rostock,* Germany
Daniela Petrelli, *University of Sheffield,* UK
Mårten Pettersson, *Malmö University,* Sweden
Doantam Phan, *Stanford University,* USA
Wayne Piekarski, *University of South Australia,* Australia
Jeffrey Pierce, *IBM,* USA
David Pinelle, *University of Saskatchewan,* Canada
Claudio Pinhanez, *IBM,* USA
Niels Pinkwart, *TU Clausthal,* Germany
Volkmar Pipek, *University of Siegen,* Germany
Christopher Plaue, *Georgia Institute of Technology,* USA
Beryl Plimmer, *University of Auckland,* New Zealand
Barry Po, *Cogneto Development Inc.,* Canada
Michael Poor, *Tufts University,* USA
Florin Popescu, *Fraunhofer FIRST,* Germany
Vesna Popovic, *Queensland University of Technology,* Australia
Zachary Pousman, *Georgia Institute of Technology,* USA
Christopher Power, *University of York,* Canada
Jenny Preece, *University of Maryland,* USA
Tony Pridmore, *University of Nottingham,* UK
Simon Prince, *University College London,* UK
Wolfgang Prinz, *Fraunhofer FIT,* Germany
John Pruitt, *Microsoft,* USA
Pardha Pyla, *Virginia Polytechnic Institute and State University,* India
Yan Qu, *University of Maryland, College Park,* USA
Aaron Quigley, *University College Dublin,* Ireland
Pernilla Qvarfordt, *FX Palo Alto Laboratory,* USA
Kari-Jouko Räihä, *University of Tampere,* Finland
Roope Raisamo, *University of Tampere,* Finland
Gonzalo Ramos, *University of Toronto,* Canada
Rebecca Randell, *City University,* UK
Tye Rattenbury, *University of California, Berkeley,* USA
Janet Read, *University of Central Lancashire,* England
Madhu Reddy, *The Pennsylvania State University,* USA
David Redmiles, *University of California, Irvine,* USA
Stuart Reeves, *University of Nottingham,* England
Tim Regan, *Microsoft,* UK
Holger Regenbrecht, *University of Otago,* New Zealand
Susan Regli, *Lockheed Martin,* USA
Derek Reilly, *Dalhousie University,* Canada
Ehud Reiter, *University of Aberdeen,* UK
Jun Rekimoto, *Sony,* Japan
Yuqing Ren, *Carnegie Mellon University,* USA
Karen Renaud, *University of Glasgow,* UK
Michael Richardson, *Colby College,* USA
Heather Richter, *University of North Carolina, Charlotte,* USA
Jens Riegelsberger, *University College London,* UK
Christine Riley, *Intel,* USA
Daniel Robbins, *Microsoft,* USA
Dave Roberts, *IBM,* UK
George Robertson, *Microsoft,* USA
Peter Robinson, *University of Cambridge,* England
Kerry Rodden, *Google,* USA
Tom Rodden, *University of Nottingham,* UK
Jennifer Rode, *University of California, Irvine,* USA
Con Rodi, *Virginia Polytechnic Institute and State University,* USA
Yvonne Rogers, *The Open University,* UK
Michael Rohs, *TU Berlin,* Germany
John Rooksby, *Lancaster University,* UK
Volker Roth, *FX Palo Alto Laboratory,* USA
Ling Rothrock, *The Pennsylvania State University,* USA
Nicolas Roussel, *Projet In Situ, LRI & INRIA Futurs,* France
Maria Roussou, *University College London,* UK
Joe Rubleske, *Syracuse University,* USA
Yong Rui, *Microsoft,* USA
Enrico Rukzio, *University of Munich,* Germany
Daniel Russell, *Google,* USA
Zsofia Ruttkay, *University of Twente,* the Netherlands
Kathy Ryall, *MERL,* USA
Eva-Lotta Sallnäs, *Royal Institute of Technology, IPLab,* Sweden
Dario Salvucci, *Drexel University,* USA
Jaime Sánchez, *University of Chile,* Chile
Bob Sandusky, *University of Tennessee, Knoxville,* USA
Aleksandra Sarcevic, *Rutgers University,* USA
Martina Angela Sasse, *University College London,* UK
Christine Satchell, *University of Melbourne,* Australia
Walt Scacchi, *Institute for Software Research,* USA
Wendy Schafer, *The Pennsylvania State University,* USA

Chris Schmandt, *Massachusetts Institute of Technology,* USA
Holger Schnädelbach, *Mixed Reality Lab,* UK
m.c. schraefel, *University of Southampton,* UK
Will Schroeder, *The MathWorks,* USA
Till Schümmer, *FernUniversität in Hagen,* Germany
Stan Sclaroff, *Boston University,* USA
Donia Scott, *The Open University,* UK
Stacey Scott, *Massachusetts Institute of Technology,* USA
Peter Scupelli, *Carnegie Mellon University,* USA
Andrew Sears, *University of Maryland, Baltimore County,* USA
Stuart Selber, *The Pennsylvania State University,* USA
Abigail Sellen, *Microsoft,* UK
John Senders, *University of Toronto,* Canada
Phoebe Sengers, *Cornell University,* USA
Orit Shaer, *Tufts University,* USA
N. Sadat Shami, *Cornell University,* USA
Helen Sharp, *The Open University,* UK
Chia Shen, *Mitsubishi Electric Research Labs,* USA
Irina Shklovski, *Carnegie Mellon University,* USA
John Sibert, *The George Washington University,* USA
Linda Sibert, USA
Rosanne Siino, *Stanford University,* USA
Carla Simone, *Universita' di Milano-Bicocca,* Italy
Mike Sinclair, *Microsoft,* USA
Vikash Singh, *Mississippi State University,* USA
Vineet Sinha, *Massachusetts Institute of Technology,* USA
Roger Slack, *University of Edinburgh,* UK
Malcolm Slaney, *IBM,* USA
Mel Slater, *University College London,* UK
Diana Smetters, *PARC,* USA
Hilary Smith, *University of Sussex,* UK
Daniel Smith, *University of Southampton,* UK
Brian Smith, *The Pennsylvania State University,* USA
Marc Smith, *Microsoft,* USA
Shamus Smith, *Durham University,* UK
Ian Smith, *Intel,* USA
Mirjana Spasojevic, *Yahoo!,* USA
Clay Spinuzzi, *University of Texas, Austin,* USA
Mark Springett, *Middlesex University,* UK
Thad Starner, *Georgia Institute of Technology,* USA
John Stasko, *Georgia Institute of Technology,* USA
Michelle Steves, *NIST,* USA
Erik Stolterman, *Indiana University, Bloomington,* USA
Susan Straus, *RAND,* USA
Wolfgang Stuerzlinger, *York University,* Canada
Simone Stumpf, *Oregon State University,* USA
Sriram Subramanian, *University of Saskatchewan,* Canada
Bongwon Suh, *PARC,* USA
Bernhard Suhm, *Enterprise Integration Group,* USA
James Sullivan, *Center for Lifelong Learning and Design,* USA
Jay Summet, *Georgia Institute of Technology,* USA
Pen-Fan Sun, *SAP,* USA
S. Shyam Sundar, *The Pennsylvania State University,* USA
Alistair Sutcliffe, *University of Manchester,* UK
Gunnvald Svendsen, *Telenor R&D,* Norway
Leila Takayama, *Stanford University,* USA
Desney Tan, *Microsoft,* USA
Charlotte Tang, *University of Calgary,* Canada
Anthony Tang, *University of British Columbia,* Canada
John Tang, *IBM,* USA
Steven Tanimoto, *University of Washington,* USA
Craig Tashman, *Georgia Institute of Technology,* USA
Deborah Tatar, *Virginia Polytechnic Institute and State University,* USA
Alex Taylor, *Microsoft,* UK
Jaime Teevan, *Massachusetts Institute of Technology,* USA
Alexandru Telea, *Eindhoven University of Technology,* the Netherlands
Lucia Terrenghi, *Ludwig Maximilian University Munich,* Germany
Michael Terry, *University of Waterloo,* Canada
Loren Terveen, *University of Minnesota,* USA
Jakob Tholander, *Södertörn University College,* Sweden
Bruce Thomas, *University of South Australia,* Australia
John Thomas, *IBM,* USA
Jennifer Thom-Santelli, *Cornell University,* USA
James Thornton, *PARC,* USA
Ramayah Thurasamy, *Universiti Sains Malaysia,* Malaysia
Peter Tolmie, *Nottingham University,* UK
Stefanie Tomko, *Carnegie Mellon University,* USA
Bill Tomlinson, *University of California, Irvine,* USA
Elaine Toms, *Dalhousie University,* Canada
Cristen Torrey, *Carnegie Mellon University,* USA
Melanie Tory, *University of Victoria,* Canada
Noam Tractinsky, *Ben-Gurion University,* Israel
Erin Treacy, *Tufts University,* USA
Marilyn Tremaine, *Rutgers University,* USA
Shari Trewin, *IBM,* USA
Jennifer Trich Kremer, *The Pennsylvania State University Erie, The Behrend College,* USA
Philippe Truillet, *IRIT CNRS,* France
Khai Truong, *University of Toronto,* Canada
Theophanis Tsandilas, *University of Toronto,* Canada
Manfred Tscheligi, *University of Salzburg,* Austria
Edward Tse, *University of Calgary,* Canada
Yuan-Chi Tseng, *University of Manchester,* UK
Joe Tullio, *Carnegie Mellon University,* USA
Susan Turner, *Napier University,* UK
Michael Twidale, *University of Illinois, Urbana-Champaign,* USA
Brygg Ullmer, *Massachusetts Institute of Technology,* USA
Richard Urban, *University of Illinois, Urbana-Champaign,* USA
Gerrit van der Veer, *Open Universiteit Nederland,* the Netherlands
Frank van Ham, *IBM,* USA
Nancy Van House, *University of California, Berkeley,* USA
Henriette Van Vugt, *Free University,* the Netherlands
Jarke van Wijk, *Technische Universiteit Eindhoven,* the Netherlands
Ravi Vatrapu, *University of Hawaii, Manoa,* USA
Catherine Vaucelle, *Massachusetts Institute of Technology,* USA
Elizabeth Veinott, *Klein Associates,* USA
Gina Venolia, *Microsoft,* USA
Colin Venters, *University of Manchester,* UK
Alonso Vera, *NASA,* USA
Frederic Vernier, *Université Paris XI,* France
Roel Vertegaal, *Queen's University,* Canada
Fernanda Viégas, *IBM,* USA
Stephen Viller, *University of Queensland,* Australia
Juergen Vogel, *European Media Lab,* Germany
Daniel Vogel, *University of Toronto,* Canada
Stephen Voida, *Georgia Institute of Technology,* USA
Amy Voida, *Georgia Institute of Technology,* USA
Lucian Voinea, *Technische Universiteit Eindhoven,* the Netherlands
Dirk Vom Lehn, *King's College London,* UK
Ron Wakkary, *Simon Fraser University,* Canada
Bruce Walker, *Georgia Institute of Technology,* USA
Steven Wall, *University of Glasgow,* UK
Gerd Waloszek, *SAP,* Germany
Shuo Wang, *Microsoft,* China
Matthew Ward, *Worcester Polytechnic Institute,* USA
Nigel Ward, *University of Texas, El Paso,* USA
Martin Wattenberg, *IBM,* USA
Leon Watts, *University of Bath,* UK

Gerhard Weber, *Multimedia Campus Kiel,* Germany
Dane Webster, *Virginia Polytechnic Institute and State University,* USA
Stephan Weibelzahl, *National College of Ireland,* Ireland
Alexandra Weilenmann, *University of Göteborg,* Sweden
Suzanne Weisband, *University of Arizona,* USA
Justin Weisz, *Carnegie Mellon University,* USA
Martin Wetterstrand, *Århus University,* Denmark
Alan Wexelblat, *Charles River Associates,* USA
Ryen White, *Microsoft,* USA
Sean White, *Columbia University,* USA
Steve Whittaker, *Sheffield University,* UK
Mikael Wiberg, *Umea University,* Sweden
Susan Wiedenbeck, *Drexel University,* USA
Daniel Wigdor, *University of Toronto,* Canada
Eric Wilcox, *IBM,* USA
Pete Willemsen, *University of Minnesota, Duluth,* USA
Amanda Williams, *University of California, Irvine,* USA
Gary Wills, *University of Southampton,* UK
Max Wilson, *University of Southampton,* UK
Michael Wilson, *CCLRC Rutherford Appleton Laboratory,* UK
Andrew Wilson, *Microsoft,* USA
Stefan Winkler, *National University of Singapore,* Singapore
Terry Winograd, *Stanford University,* USA
Jacob Wobbrock, *University of Washington,* USA
Tracee Wolf, *IBM,* USA
Steven Wolfman, *University of British Columbia,* Canada
Christa Womser-Hacker, *University of Hildesheim,* Germany
Pak-Chung Wong, *Pacific Northwest National Laboratory,* USA
Jeffrey Wong, *Carnegie Mellon University,* USA
Kenneth Wood, *Microsoft,* UK
Allison Woodruff, *Intel,* USA
Christopher Wren, *Mitsubishi Electric Research Laboratory,* USA
Mike Wu, *The University of Toronto,* Canada
Susan Wyche, *Georgia Institute of Technology,* USA
Peta Wyeth, *University of Queensland,* Australia
Yan Xiao, *Human Factors & Technology Research,* USA
Jun Xiao, *Georgia Institute of Technology,* USA
Lu Xiao, *The Pennsylvania State University,* USA
Xing Xie, *Microsoft,* China
Murat Yakici, *University of Strathclyde,* UK
Jing Yang, *University of North Carolina, Charlotte,* USA
Nicole Yankelovich, *Sun Microsystems,* USA
Yunwen Ye, *University of Colorado,* USA
Ka-Ping Yee, *University of California, Berkeley,* USA
Ron Yeh, *Stanford University,* USA
Alvin Yeo, *Universiti Malaysia Sarawak,* Malaysia
Min Yin, *IBM,* USA
Beth Yost, *Virginia Polytechnic Institute and State University,* USA
Richard Young, *University College London,* UK
Mihaela Zahariev, *Simon Fraser University,* Canada
Panayiotis Zaphiris, *City University,* UK
Robert Zeleznik, *Brown University,* USA
Shumin Zhai, *IBM,* USA
Xiaolong Zhang, *University of Arizona,* USA
Sam Zheng, *Seimens,* USA
Michelle Zhou, *IBM,* USA
Martina Ziefle, *RWTH Aachen University,* Germany
Juergen Ziegler, *University of Duisburg-Essen,* Germany
Jamie Zigelbaum, *Tufts University,* USA
John Zimmerman, *Carnegie Mellon University,* USA
Alexander Zotov, *Microsoft,* USA

NOTES ASSOCIATE CHAIRS

Simone Barbosa, *PUC-Rio*, Brazil
Julian Bleecker, *University of Southern California*, USA
Barry Brown, *University of Glasgow*, UK
AJ Brush, *Microsoft*, USA
Mike Byrne, *Rice University*, USA
Patrick Chiu, *FX Palo Alto Laboratory*, USA
Davor Cubranic, *Business Objects SA*, Canada
Laurent Denoue, *FX Palo Alto Laboratory*, USA
Garett Dworman, *Tec-Ed*, USA
Ame Elliott, *PARC*, USA
Shelly Farnham, *Farnham Research*, USA
Danyel Fisher, *Microsoft*, USA
Scott Golder, *Hewlett-Packard*, USA
Marti Hearst, *University of California, Berkeley*, USA
Jim Herbsleb, *Carnegie Mellon University*, USA
Jim Hudson, *PayPal*, USA
Satoshi Ichimura, *Tokyo University of Technology*, Japan
Katherine Isbister, *Rensselaer Polytechnic Institute*, USA
Quentin Jones, *New Jersey Institute of Technology*, USA
Andruid Kerne, *Texas A&M University*, USA
Joe McCarthy, *Nokia*, USA
Meredith Morris, *Microsoft*, USA
Dianne Murray, *Independent Consultant*, UK
Les Nelson, *PARC*, USA
Elin Pederson, *Microsoft*, USA
Mark Perry, *Brunel University*, UK
Pearl Pu, *Swiss Federal Institute of Technology*, Switzerland
Frank Ritter, *The Pennsylvania State University*, USA
Diane Schiano, *PARC*, USA
Frank Vetere, *University of Melbourne*, Australia
Fernanda Viegas, *IBM*, USA

NOTES REVIEWERS

Mark Ackerman, *University of Michigan,* USA
Piotr Adamczyk, *University of Illinois, Urbana-Champaign,* USA
Ray Adams, *Middlesex University,* UK
Eytan Adar, *University of Washington,* USA
John Adcock, *FX Palo Alto Laboratory,* USA
Ammar Ahmed, *CSIRO,* Australia
Ryan Aipperspach, *Intel,* USA
Fahim Akhter, *Zayed University,* United Arab Emirates
Diane Alonso, *University of Maryland, Baltimore County,* USA
Brian Amento, *AT&T,* USA
Morgan Ames, *Stanford University,* USA
Pedro Antunes, *University of Lisboa,* Portugal
Ana Carolina Araujo, *PUC-Rio,* Brazil
Timo Arnall, *Oslo School of Architecture & Design,* Norway
Ashwini Asokan, *Intel,* USA
Brent Auernheimer, *California State University, Fresno,* USA
Anne Aula, *Tampere University of Techonlogy,* Finland
Jeff Axup, *University of Queensland,* Australia
Julie Baca, *Mississippi State University,* USA
Maribeth Back, USA
Brian Bailey, *University of Illinois,* USA
Sameer Bajaj, *New York University,* USA
Marko Balabanovic, *lastminute.com,* UK
Sandrine Balbo, *The University of Melbourne,* Australia
Dirk Balfanz, *PARC,* USA
Rafael Ballagas, *RWTH Aachen University,* Germany
Simone Barbosa, *PUC-Rio,* Brasil
Jeffrey Bardzell, *Indiana University,* USA
Louise Barkhuus, *University of Glasgow,* UK
Arianna Bassoli, *London School of Economics,* UK
Thomas Baudel, *ILOG,* France
Patrick Baudisch, *Microsoft,* USA
Eric Baumer, *University of California, Irvine,* USA
Martin Beer, *Sheffield Hallam University,* UK
Andrew Begel, *Microsoft,* USA

Wolfgang Beinhauer, *Fraunhofer Institute for Industrial Engineering,* Germany
Blaine Bell, *Schrodinger,* USA
Marek Bell, *University of Glasgow,* UK
Peter Benda, *The University of Melbourne,* Australia
Steve Benford, *University of Nottingham,* UK
Regina Bernhaupt, *Salzburg University,* Austria
Suresh Bhavnani, *University of Michigan,* USA
Jacob Biehl, *University of Illinois, Urbana-Champaign,* USA
Kim Binsted, *University of Hawaii,* USA
Jeremy Birnholtz, *University of Toronto,* Canada
Staffan Björk, *Interactive Institute,* Sweden
Julian Bleecker, *Art Technologist,* USA
Eli Blevis, *Indiana University,* USA
Mark Blythe, *University of York,* UK
Richard Boardman, *Google,* USA
Clara Boj, *Interaction and Entertainment Research Center,* Singapore
Susanne Boll, *University of Oldenburg,* Germany
Claus Bossen, *University of Aarhus,* Denmark
Dominic Bouwhuis, *Technical University Eindhoven,* the Netherlands
Susan Boyce, *Tellme Networks,* USA
Danah Boyd, *University of California, Berkeley,* USA
Erin Bradner, *University of California, Irvine,* USA
Stephen Brewster, *University of Glasgow,* UK
Christina Brodersen, *University of Aarhus,* Denmark
Peter Brown, *RealityAllStarz,* USA
Lorna Brown, *Microsoft,* UK
Barry Brown, *University of Glasgow,* UK
Amy Bruckman, *Georgia Institute of Technology,* USA
Duncan Brumby, *Drexel University,* USA
A.J. Brush, *Microsoft,* USA
Mike Brzozowski, *Hewlett-Packard,* USA
Sam Bucolo, *Australasian CRC for Interaction Design,* Australia
Daniela Busse, *SAP,* USA
Michael Byrne, *Rice University,* USA
Kelly Caine, *Georgia Institute of Technology,* USA
John Canny, *University of California, Berkeley,* USA
Luis Carriço, *University of Lisbon,* Portugal
Scott Carter, *University of California, Berkeley,* USA
Will Carter, USA
Marc Cavazza, *University of Tesside,* UK
Anna Cavender, *University of Washington,* USA
Ann-Marie Chadwick-Dias, *Fidelity Investments,* USA
Bay-Wei Chang, *Google,* USA
Angela Chang, *Massachusetts Institute of Technology,* USA
Dr Jarinee Chattratichart, *Kingston University,* UK
Ling Chen, *Zhejiang University,* China
Li-Te Cheng, *IBM,* USA
Gifford Cheung, *University of Washington,* USA
Ed Chi, *PARC,* USA
Mario Chiesa, *Istituto Superiore Mario Boella,* Italy
Patrick Chiu, *FX Palo Alto Laboratory,* USA
Konstantinos Chorianopoulos, *Bauhaus University of Weimar,* Germany
Georgios Christou, *Cyprus College,* Cyprus
Yu Shan Chuang, *Yahoo!,* USA
Luigina Ciolfi, *University of Limerick,* Ireland
Nathalie Colineau, *CSIRO,* Australia
Katherine Connelly, *Indiana University,* USA
Stéphane Conversy, *Ecole Nationale de l'Aviation Civile,* France
Matthew Cooper, *FX Palo Alto Laboratory,* USA
Tim Coughlan, *University of Bath,* UK
Scott Counts, *Microsoft,* USA
Lorrie Cranor, *Carnegie Mellon University,* USA
Davor Cubranic, *University of British Columbia,* Canada
James Cunningham, *AT&T,* USA
Dave Curbow, *NASA,* USA
William Curtis-Davidson, *IBM,* USA
Laura Dabbish, *Carnegie Mellon University,* USA
Brinda Dalal, *PARC,* USA
Ben Daniel, *University of Saskatchewan,* Canada
Kushal Dave, *IBM,* USA
Scott Davidoff, *Carnegie Mellon University,* USA
Richard Davis, *University of California, Berkeley,* USA
Antonella De Angeli, *University of Manchester,* UK
Flavio De Paoli, *Universita' di Milano Bicocca,* Italy
Maira de Paula, *Pontificia Universidade Católica do Rio de Janeiro,* Brasil
Marco de Sá, *University of Lisbon,* Portugal
Clarisse de Souza, *PUC-Rio,* Brazil
David Demirdjian, *Massachusetts Institute of Technology,* USA
Brent Dennis, *North Carolina State University,* USA
Laurent Denoue, *FX Palo Alto Laboratory,* USA
Guy Dewsbury, *Lancaster University,* UK
Nicholas Diakopoulos, *Georgia Institute of Technology,* USA
Joan DiMicco, *Massachusetts Institute of Technology,* USA
Ellen Yi-Luen Do, *Carnegie Mellon University,* USA
Ellen Yi-Luen Do, *Georgia Institute of Technology,* USA
Hilko Donker, *Dresden University of Technology,* Germany
Steven Dow, *Georgia Institute of Technology,* USA
Silke Dr. Lang, *ETH Zurich,* Switzerland
Carlos Duarte, *Universidade de Lisboa,* Portugal
Andrew Duchowski, *Clemson University,* USA
Garett Dworman, *Tec-Ed, Inc.,* USA
Catherine Dwyer, *Pace University,* USA
Serge Egelman, *Carnegie Mellon University,* USA
Ame Elliott, *PARC,* USA
David England, *Liverpool John Moores University,* UK
Mattias Esbjörnsson, *Mobility, The Interactive Institute,* Sweden
Katherine Everitt, *University of Washington,* USA
Rod Farmer, *The University of Melbourne,* Australia
Shelly Farnham, *Microsoft,* USA
J. Shawn Farris, *Atlantic Human Factors,* USA
Jonathan Feinberg, *IBM,* USA
Daniel Felix, *ergonomie & technologie (e&t) GmbH,* Switzerland
Sue Fenley, *Reading University,* UK
Bob Fields, *Middlesex University,* UK
Thomas Finholt, *University of Michigan,* USA
Andrew Fiore, *University of California, Berkeley,* USA
Danyel Fisher, *Microsoft,* USA
Andrea Forte, *Georgia Institute of Technology,* USA
Brooke Foucault, *Northwestern University,* USA
Katrin Franke, *Fraunhofer IPK,* Germany
Peter Fröhlich, *Telecommunications Research Center Vienna,* Austria
Erik Frøkjær, *Københavns Universitet,* Denmark
Sara Gatmir motahari, *New Jersey Institute of Technology,* USA
William Gaver, *Goldsmiths College,* UK
Darren Gergle, *Northwestern University,* USA
Jennifer Gibbs, *Rutgers University,* USA
Juan Gilbert, *Auburn University,* USA
David Gilmore, *Intel,* USA
Audrey Girouard, *Tufts University,* USA
Paul Gnanayutham, *University of Portsmouth,* UK
Scott Golder, *Hewlett-Packard,* USA
Gene Golovchinsky, *FX Palo Alto Laboratory,* USA
Gloria Gomez, *Swinburne University of Technology,* Australia
Joy Goodman, *University of Cambridge,* UK
Elizabeth Goodman, *University of California, Berkeley,* USA
Dina Goren-Bar, *Ben-Gurion University,* Israel
Dorian Gorgan, *Technical University of Cluj-Napoca,* Romania

Sukeshini Grandhi, *New Jersey Institute of Technology,* USA
Phil Gray, *University of Glasgow,* UK
Georges G. Grinstein, *University of Massachusetts, Lowell,* USA
Kaj Gronbak, *University of Aarhus,* Denmark
Mark Gross, *Carnegie Mellon University,* USA
Ben Gross, *University of Illinois, Urbana-Champaign,* USA
Dennis Groth, *Indiana University,* USA
Jonathan Grudin, *Microsoft,* USA
Zhiwei Guan, *University of Washington, Seattle,* USA
Catherine Guastavino, *McGill University,* Canada
Yves GUIARD, *CNRS & U2 Marseille France,* France
Francois Guimbretiere, *University of Maryland,* USA
Anuj Gujar, *DARTdevices Corporation,* USA
Glenn Gunzelmann, *Air Force Research Laboratory,* USA
Feng Guo, *Arizona State University,* USA
Ankur Gupta, *New Jersey Institute of Technology,* USA
Jonna Häkkilä, *Nokia,* Finland
Malcolm Hall, *University of Glasgow,* UK
Michael Haller, *Upper Austria University of Applied Sciences,* Austria
Dong-Han Ham, *Middlesex University,* UK
Tracy Hammond, *Texas A&M University,* USA
Mark Handel, *University of Michigan,* USA
Thomas Hansen, *Aarhus University,* Denmark
Chandra Harrison, *University of York,* UK
Bjoern Hartmann, *Stanford University,* USA
Kirstie Hawkey, *Dalhousie University,* Canada
Gillian Hayes, *Georgia Institute of Technology,* USA
Christopher Healey, *North Carolina State University,* USA
Marti Hearst, *University of California, Berkeley,* USA
Chris Heathcote, *Nokia,* Finland
Jeffrey Heer, *University of California, Berkeley,* USA
Ilona Heldal, *Chalmers University of Technology,* Sweden
Austin Henderson, *Pitney Bowes,* USA
Jim Herbsleb, *Carnegie Mellon University,* USA
Roxanne Hiltz, *New Jersey Institute of Technology,* USA
Bernie Hogan, *University of Toronto,* Canada
Jason Hong, *Carnegie Mellon University,* USA
Kristina Hook, *Stockholm University,* Sweden
Ben Hooker, *Royal College of Art,* UK
Eva Hornecker, *Technical University Vienna,* Austria
Thomas Horton, *North Carolina State University,* USA
Juan Pablo Hourcade, *University of Iowa,* USA
Steve Howard, *The University of Melbourne,* Australia
Andrew Howes, *University of Manchester,* UK
Elaine Huang, *Georgia Institute of Technology,* USA
Jim Hudson, *PayPal,* USA
Amy Hurst, *Carnegie Mellon University,* USA
Hilary Hutchinson, *Google,* USA
Ebba Thora Hvannberg, *University of Iceland,* Iceland
Giovanni Iachello, *Georgia Institute of Technology,* USA
Satoshi Ichimura, *Tokyo University of Technology,* Japan
Pourang Irani, *University of Manitoba,* Canada
Katherine Isbister, USA
Yuichi Itoh, *Osaka University,* Japan
Wassim Jabi, *New Jersey Institute of Technology,* USA
Alejandro Jaimes, *FujiXerox,* Japan
Jhilmil Jain, *Hewlett-Packard,* USA
Frankie James, *SAP,* USA
Anthony Jameson, *German Research Institute for Artificial Intelligence,* Germany
Arnav Jhala, *North Carolina State University,* USA
Mike Tian-Jian Jiang, *National Tsing Hua University,* Taiwan
Qun Jin, *Waseda University,* Japan
Adam Joinson, *The Open University,* UK
William Jones, *University of Washington,* USA
Quentin (Gad) Jones, *New Jersey Institute of Technology,* USA
Anker Jorgensen, *IT University of Copenhagen,* Denmark
Wendy Ju, *Stanford University,* USA
Oskar Juhlin, *Interactive Institute,* Sweden
Susanne Jul, USA
Hyunjoon Jung, *Republic of Korea Telecom,* Republic of Republic of Korea
Ajay Kamath, *New Jersey Institute of Technology,* USA
Maryam Kamvar, *Google,* USA
Eser Kandogan, *IBM,* USA
Anu Kankainen, *Idean Research,* Finland
Thomas Kannampallil, *The Pennsylvania State University,* USA
Laurie Kantner, *Tec-Ed, Inc.,* USA
Karrie Karahalios, *Massachusetts Institute of Technology,* USA
Demetrios Karis, *Verizon Labs,* USA
Amy Karlson, *University of Maryland,* USA
Kristiina Karvonen, *Helsinki University of Technology,* Finland
Judy Kay, *University of Sydney,* Australia
Joseph Kaye, *Cornell University,* USA
Melanie Kellar, *Dalhousie University,* Canada
Andruid Kerne, *Texas A&M,* USA
Pekka Ketola, *Usability Engineer,* Finland
Sanshzar Kettebekov, *Keane Inc,* USA
Azam Khan, *Autodesk,* Canada
Michael Khoo, *National Science Digital Library,* USA
Julie Kientz, *Georgia Institute of Technology,* USA
Hans Kim, *Santa Clara University,* USA
Steven Kimbrough, *University of Pennsylvania,* USA
Esin Kiris, *AT&T,* USA
Rick Kjeldsen, *IBM,* USA
Palle Klante, *Pixelpark AG,* Germany
Gary Klatsky, *Oswego, SUNY,* USA
John Knight, *Intiuo Research and Design,* UK
Amy Ko, *Carnegie Mellon University,* USA
Minoru Kobayashi, *Nippon Telegraph and Telephone Corporation,* Japan
Michael Koch, *Technische Universitaet Muenchen,* Germany
Eunyee Koh, *Texas A&M University,* USA
Joseph Konstan, *University of Minnesota,* USA
Jesse Kriss, *IBM,* USA
Per Ola Kristensson, *Linkoping University,* Sweden
Ernst Kruijff, *Graz University of Technology,* Austria
John Krumm, *Microsoft,* USA
Michael Kuniavsky, *ThingM,* USA
Gordon Kurtenbach, *Autodesk,* Canada
Hideaki Kuzuoka, *University of Tsukuba,* Japan
Jennifer Lai, *IBM,* USA
Denis Lalanne, *University of Fribourg,* Switzerland Tessa Lau, *IBM,* USA
Effie Law, *Swiss Federal Institute of Technology (ETH Zurich),* UK
Eric Lee, *RWTH Aachen University,* Germany
Brian Lee, *Stanford University,* USA
Surapong Lertsithichai, *Silpakorn University,* Thailand
James Lester, *North Carolina State University,* USA
Du Li, *Texas A&M University,* USA
Yang Li, *University of Washington,* USA
James Lin, *IBM,* USA
Lorna Lines, *Brunel University,* UK
Shih-yen Liu, *National Taiwan University,* Taiwan
Mark Livingston, *Naval Research Laboratory,* USA
Sara Ljungblad, *Viktoria Institute,* Sweden
Peter Ljungstrand, *Chalmers University of Technology,* Sweden
Steve Love, *Brunel University,* UK
Christopher Lueg, *University of Tasmania,* Australia

Jay Lundell, *Intel,* USA
Johan Lundin, *Viktoria Institute,* Sweden
Jan-Maarten Luursema, *University of Twente,* The Netherlands
Catriona Macaulay, *University of Dundee,* UK
José Macías iglesias, *Universidad Autónoma de Madrid,* Spain
Christine MacKenzie, *Simon Fraser University,* Canada
Sascha Mahlke, *Berlin University of Technology,* Germany
Scott Mainwaring, *Intel,* USA
Heidy Maldonado, *Stanford University,* USA
Regan Mandryk, *Dalhousie University,* Canada
Jennifer Mankoff, *Carnegie Mellon University,* USA
Ana Maria Marhan, *Institutul de Filosofie si Psihologie,* Romania
Panos Markopoulos, *Technical University Eindhoven,* the Netherlands
Catherine C. Marshall, *Microsoft,* USA
Stefan Marti, *Samsung,* USA
Masood Masoodian, *The University of Waikato,* New Zealand
Michael Massimi, *University of Toronto,* Canada
Takashi Matsumoto, *Keio University,* Japan
Tara Matthews, *University of California, Berkeley,* USA
Joe McCarthy, *Nokia,* USA
David McDonald, *University of Washington,* USA
Jane McGonigal, *University of California, Berkeley,* USA
David McGookin, *University of Glasgow,* UK
Sean McNee, *Attenex Corporation,* USA
Yevgeniy Medynskiy, *Georgia Institute of Technology,* USA
David Millen, *IBM,* USA
Jessica Miller, *University of Washington,* USA
Craig Miller, *DePaul University,* USA
Rob Miller, *Massachusetts Institute of Technology,* USA
Audris Mockus, *Avaya,* USA
David Moffat, *Glasgow Caledonian University,* UK
Karyn Moffatt, *University of British Columbia,* Canada
Daniel Morris, *Microsoft,* USA
Meredith Morris, *Microsoft,* USA
Denis Mottet, *Université de Montpellier,* France
Jackie Moyes, *News Digital Media,* Australia
Christian Mueller-Tomfelde, *CSIRO,* Australia
Michael Muller, *IBM,* USA
Guadalupe Muñoz, *University Rey Juan Carlos,* Spain
Dianne Murray, UK
Roderick Murray-Smith, *Glasgow University & Hamilton Institute,* UK
Frank Nack, *Université de Lyon,* France
Kumiyo Nakakoji, *University of Tokyo,* Japan
Hideyuki Nakanishi, *Kyoto University,* Japan
Bonnie Nardi, *Agilent Technologies,* USA
Les Nelson, *PARC,* USA
Carman Neustaedter, *University of Calgary,* Canada
David Nguyen, *University of California, Irvine,* USA
Jeffrey Nichols, *Carnegie Mellon University,* USA
Lira Nikolovska, *Massachusetts Institute of Technology,* USA
Alexander Nischelwitzer, *University of Applied Sciences, Joanneum,* Austria
Nicolas Nova, *Ecole Polytechnique Fédérale de Lausannne,* Switzerland
Nuno Nunes, *University of Madeira,* Portugal
Kenton O'Hara, *Hewlett-Packard,* UK
Masao Ohira, *Nara Institute of Science and Technology,* Japan
Jim Oliver, *eBay, Inc.,* USA
Joshua O'Madadhain, *Microsoft & University of California, Irvine,* USA
Takehiko Oono, *NTT Department II,* Japan
Benoit Otjacques, *Public Research Centre – Gabriel Lippmann,* Luxembourg
Volker Paelke, *University of Hannover,* Germany
Andreas Paepcke, *Stanford University,* USA
Philippe Palanque, *Université Paul Sabatier,* France
Leysia Palen, *University of Colorado, Boulder,* USA
Bing Pan, *Cornell University,* USA
Tapan Parikh, *University of Washington,* USA
Shwetak Patel, *Georgia Institute of Technology,* USA
Sameer Patil, *University of California, Irvine,* USA
Andrew Patrick, *National Research Council of Canada,* Canada
Eric Paulos, *Intel,* USA
Jon Pearce, *University of Melbourne,* Australia
Sonja Pedell, *The University of Melbourne,* Australia
Elin Pedersen, *Microsoft,* USA
Trevor Pering, *Intel,* USA
Mark Perry, *Brunel University,* UK
Christian Peter, *Fraunhofer Institute for Computer Graphics Rostock,* Germany
Susan Petrick, *Intuit,* USA
Mårten Pettersson, *Malmö University,* Sweden
Doantam Phan, *Stanford University,* USA
Bruce Phillips, *Microsoft,* USA
David Pinelle, *University of Saskatchewan,* Canada
Claudio Pinhanez, *IBM,* USA
Niels Pinkwart, *TU Clausthal,* Germany
Barry Po, *Cogneto Development Inc.,* Canada
Sascha Pohflepp, *UDK, Berlin,* Germany
Christopher Power, *University of York,* Canada
Raquel Prates, *Federal University of Minas Gerais,* Brazil
Scott Preece, *Motorola,* USA
Wolfgang Prinz, *Fraunhofer FIT,* Germany
Thomas Psik, *Vienna Universtity of Technology,* Switzerland
Aaron Quigley, *University College Dublin,* Ireland
David Racz, *Nokia,* USA
Roope Raisamo, *University of Tampere,* Finland
Rebecca Randell, *City University,* UK
Pei-Luen Patrick Rau, *Tsinghua University,* China
Janet Read, *University of Central Lancashire,* UK
Stuart Reeves, *University of Nottingham,* UK
Tim Regan, *Microsoft,* UK
Karen Renaud, *University of Glasgow,* UK
Heather Richter, *University of North Carolina, Charlotte,* USA
Jens Riegelsberger, *University College London,* UK
Frank Ritter, *The Pennsylvania State University,* USA
Daniel Robbins, *Microsoft,* USA
Erica Robles, *Stanford University,* USA
Kerry Rodden, *Google,* USA
Jennifer Rode, *University of California, Irvine,* USA
Steven Rohall, *IBM,* USA
John Rooksby, *Lancaster University,* UK
Mattias Rost, *Viktoria Institute,* Sweden
James Rowan, *University of West Georgia,* USA
Enrico Rukzio, *University of Munich,* Germany
Daniel Russell, *Google,* USA
Cristian Rusu, *Pontificia Universidad Catolica de Valparaiso,* Chile
Kathy Ryall, *Mitsubishi Electric Research Laboratories,* USA
Dan Saffer, *Carnegie Mellon University,* USA
Jaime Sánchez, *University of Chile,* Chile
Aleksandra Sarcevic, *Rutgers University,* USA
Diane Schiano, *Stanford University,* USA
m c schraefel, *University of Southampton,* UK
Martin Schrepp, *SAP,* Germany
Richard Schuler, *New Jersey Institute of Technology,* USA
Jordan Schwartz, *Microsoft,* USA
Stacey Scott, *Massachusetts Institute of Technology,* USA
Abigail Sellen, *Microsoft,* UK
Phoebe Sengers, *Cornell University,* USA
N. Sadat Shami, *Cornell University,* USA
Chris Shaw, *Simon Fraser University Surrey,* Canada
Wingly Shih, *National Chiao Tung University,* Taiwan
Bruno Silva, *PUC-Rio,* Brasil

Carla Simone, *Universita' di Milano-Bicocca,* Italy
Rashmi Sinha, USA
Roger Slack, *University of Edinburgh,* UK
Diana Smetters, *PARC,* USA
Marc Smith, *Microsoft,* USA
Timothy Sohn, *University of California, San Diego,* USA
Tomas Sokoler, *Malmoe University,* Sweden
Dezhen Song, *Department of Computer Science,* USA
Eyal Sonsino, *IBM,* Israel
Suzanne Soroczak, *University of Washington,* USA
Vladimir Soroka, *IBM,* Israel
Mirjana Spasojevic, *Yahoo!,* USA
Robert St. Amant, *North Carolina State University,* USA
John Stasko, *Georgia Institute of Technology,* USA
Molly Stevens, *Georgia Institute of Technology,* USA
James Stewart, *Queen's Univeristy,* Canada
Maureen Stone, *StoneSoup Consulting,* USA
Hank Strub, *Siemens,* USA
Sriram Subramanian, *University of Saskatchewan,* Canada
Bongwon Suh, *PARC,* USA
Martin Svensson, *Swedish Institue of Computer Science,* Sweden
Laurel Swan, *Brunel University,* UK
Desney Tan, *Microsoft,* USA
Diane Tang, *Google,* USA
Anthony Tang, *University of British Columbia,* Canada
Matthew Tarpy, *PCTEL, Inc.,* USA
Hiroyuki Tarumi, *Kagawa University,* Japan
Laura Tateosian, *North Carolina State University,* USA
Alex Taylor, *Microsoft,* UK
Kimberly Tee, *University of Calgary,* Canada
Jaime Teevan, *Massachusetts Institute of Technology,* USA
Monica Tentori, *CICESE,* Mexico
Andrea Thomaz, *Massachusetts Institute of Technology,* USA
Jennifer Thom-Santelli, *Cornell University,* USA
James Thornton, *PARC,* USA
Ramayah Thurasamy, *Universiti Sains Malaysia,* Malaysia
Bill Tomlinson, *University of California, Irvine,* USA
Phoebe O. Toups Dugas, *Texas A&M University,* USA
Stefan Trausan-Matu, *Polytechnic University Bucharest,* Romania
Shari Trewin, *IBM,* USA
Khai Truong, *University of Toronto,* Canada
Manfred Tscheligi, *University of Salzburg - ICT&S,* Austria
Edward Tse, *University of Calgary,* Canada
Lorna Uden, *Staffordshire University,* UK
Frank van Ham, *IBM,* USA
Charles VanderMast, *Delft University of Technology,* the Netherlands
Ravi Vatrapu, *University of Hawaii, Manoa,* USA
Catherine Vaucelle, *Massachusetts Institute of Technology,* USA
Elizabeth Veinott, *Klein Associates,* USA
Frank Vetere, *University of Melbourne,* Australia
Paul Vickers, *Northumbria University,* UK
Fernanda Viégas, *IBM,* USA
Nadine VIGOUROUX, *Institut de Recherche en Informatique, Centre National de la Recherche Scientifique,* France
Nicolas Villar, *Lancaster University,* UK
Stephen Viller, *University of Queensland,* Australia
Robert Virzi, *Verizon,* USA
Juergen Vogel, *European Media Lab,* Germany
Amy Voida, *Georgia Institute of Technology,* USA
Luis von Ahn, *Carnegie Mellon University,* USA
Ron Wakkary, *Simon Fraser University,* Canada
Steven Wall, *University of Glasgow,* UK
Michael Wallick, *University of Wisconsin, Madison,* USA
QianYing Wang, *Stanford University,* USA
Shuo Wang, *Microsoft,* China
Nigel Ward, *University of Texas, El Paso,* USA
Andrew Warr, *University of Oxford,* UK
Martin Wattenberg, *IBM,* USA
Leon Watts, *University of Bath,* UK
Gerhard Weber, *Multimedia Campus Kiel,* Germany
Alexandra Weilenmann, *IT-University of Göteborg,* Sweden
Catherine Weir, *The University of Edinburgh,* UK
Martin Wetterstrand, *Århus University,* Denmark
Ryen White, *Microsoft,* USA
Mikael Wiberg, *Umea University,* Sweden
Charlotte Wiberg, *Umea University,* Sweden
Amanda Williams, *University of California, Irvine,* USA
Jacob Wobbrock, *University of Washington,* USA
Christa Womser-Hacker, *University of Hildesheim,* Germany
Pak-Chung Wong, *Pacific Northwest National Laboratory,* USA
Alan Woolrych, *University of Sunderland,* UK
Susan Wyche, *Georgia Institute of Technology,* USA
Sha Xin Wei, *Concordia University,* Canada
Jeonghwa Yang, *Georgia Institute of Technology,* USA
Nicole Yankelovich, *Sun Microsystems,* USA
Hiroaki Yano, *University of Tsukuba,* Japan
Yunwen Ye, *University of Colorado,* USA
Ka-Ping Yee, *University of California, Berkeley,* USA
Ron Yeh, *Stanford University,* USA
Alvin Yeo, *Universiti Malaysia Sarawak,* Malaysia
Richard Young, *University College London,* UK
Alexandra Zafiroglu, *Intel,* USA
Panayiotis Zaphiris, *City University,* UK
Nora Zelhofer, *Ludwig-Maximilians-Universität Munich,* Germany
Shengdong Zhao, *University of Toronto,* Canada
Qixing Zheng, *University of British Columbia,* Canada
Martina Ziefle, *RWTH Aachen University,* Germany
Juergen Ziegler, *University of Duisburg-Essen,* Germany
Jamie Zigelbaum, *Tufts University,* USA
John Zimmerman, *Carnegie Mellon University,* USA
Aaron Zinman, *Massachusetts Institute of Technology,* USA

CHI 2007 Sponsors & Supporters

CHI 2007 Sponsors

Association for Computing Machinery

SIGCHI

CHI 2007 Hero

intel

CHI 2007 Champions

CISCO

cooper

Google

Intuit

Microsoft

NSF

SAP

Sun microsystems

YAHOO!

CHI 2007 Contributors

Adobe

Autodesk

ebay

eLearn MAGAZINE

NOKIA

PitneyBowes

Friends of CHI 2007

FX Palo Alto Laboratory, Inc. **VMware, Inc.**