

February 14–17, 2012
Lisbon, Portugal



**Association for
Computing Machinery**

Advancing Computing as a Science & Profession



IUI'12

**Proceedings of the 17th International Conference on
Intelligent User Interfaces**

Sponsored by:

ACM SIGART and SIGCHI

Supported by:

***Microsoft Research, IBM Research, National Science Foundation,
& Interaction-Design.org***



**Association for
Computing Machinery**

Advancing Computing as a Science & Profession

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

Copyright © 2012 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: permissions@acm.org or Fax +1 (212) 869-0481.

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 www.copyright.com.

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.

ISBN: 978-1-4503-1048-2

Additional copies may be ordered prepaid from:

ACM Order Department

PO Box 30777
New York, NY 10087-0777, USA

Phone: 1-800-342-6626 (USA and Canada)
+1-212-626-0500 (Global)
Fax: +1-212-944-1318
E-mail: acmhelp@acm.org
Hours of Operation: 8:30 am – 4:30 pm ET

ACM Order Number 608120

Printed in the USA

IUI 2012 Chairs' Welcome

It is our great pleasure to welcome you to the 2012 ACM International Conference on Intelligent User Interfaces – IUI'12 and to Lisboa, Portugal. Starting in 1993, IUI is now on its 17th edition and has established itself as the premier venue for reporting outstanding research and development on intelligent user interface. The IUI series continues to be the principal forum for the meeting of the Human-Computer Interaction (HCI) and the Artificial Intelligence (AI) communities. This gives rise to unique, creative, interdisciplinary contributions. This year's meeting showcases those topics, with works covering innovations in mobile interfaces, collaboration technology, affective interfaces, multimodal interfaces, pen interfaces, haptic and gesture interfaces, multi-touch interfaces, speech interfaces, gaze-based interfaces, tabletop interfaces, health applications, entertainment applications, adaptive narratives and theater, sports and in-vehicle applications, geographic applications, social media interfaces, educational interfaces, sketch recognition, human-robot interfaces, personalization and assistive technologies, end-user programming, ubiquitous and smart environments, location-aware interfaces, recommender interfaces, persuasive interfaces, web-based interfaces and agent-based interfaces.

Building on previous years' success, the IUI 2012 call for papers attracted 134 full paper submissions and 78 short paper submissions. To ensure the highest possible quality we assembled a team of 48 senior program committee members and 367 reviewers. This guaranteed that every submission had at least three reviews plus one meta-review. This was followed by a rebuttal phase, keeping the procedure started two years ago. We believe that this process has guaranteed the highest quality possible for this year technical program and we would like to thank all the senior program committee members and reviewers for their hard work in making sure the most relevant works were selected. Through this very thorough review process we were able to accept 18 full papers, 15 short papers and 16 poster presentations, meaning an acceptance rate of 13% for full papers, 16% for oral presentations and 23% for combined oral and poster presentations.

In addition to the full and short papers presentations and poster presentations, IUI will also feature a Demonstrations session for which 18 submissions were accepted from a total of 26 submissions.

This year, the IUI programme includes three notable invited speakers sharing their innovative work and experiences with the conference participants: Alex 'Sandy' Pentland from the MIT Human Dynamic Lab, Christopher Bishop from Microsoft Research and Takeo Igarashi from the University of Tokyo.

In order to foster the growth of the community, IUI 2012 will feature for the first time in the IUI series a Doctoral Consortium. Its success can be measured by the 12 high quality submissions received. Doctoral Consortium students will also be able to exhibit their work to the main conference audience in the poster session, thus promoting their insertion into the IUI community. We would also like to thank the conference sponsors and supporters that made it possible to provide financial support for Doctoral Consortium attendees and other students participating in the conference.

Nine full-day workshops will take place at IUI 2012 covering diverse trending topics in the IUI area: Activity Context Representation: Techniques and Languages; Developing Intelligent User Interfaces for e-Accessibility and e-Inclusion; Context-awareness in Retrieval and Recommendation (CaRR 2012); 3rd Workshop on Semantic Models for Adaptive Interactive Systems (SEMAIS); Scent and Scensibility; User Modeling from Social Media; 2nd Workshop on Interacting with Smart Objects;

2nd Workshop on Location Awareness for Mixed and Dual Reality (LaMDa'12); 1st International Workshop on Ubiquitous Personalization (UP'2012).

IUI 2012 continues and extends the cooperation with the ACM Transactions on Interactive Intelligent Systems (TiiS). Besides the streamlined processing of journal submissions based on IUI 2012 papers, IUI 2012 will feature a special session where authors of recently accepted articles for the ACM TiiS will spotlight key contributions of their work. It is our conviction that it will benefit greatly every member of the IUI community. We would like to thank Anthony Jameson and John Riedl, the Editors in Chief of TiiS, for their cooperation.

The organisation of IUI 2012 is a team effort and, besides the contributions of all Chairs and the Program committee members, a team of volunteers worked very hard to make it a reality. We are very grateful to everyone who helped managing the different aspects of the conference and contributed to its success. We would like to extend our thanks to Daniel Kim of Red Whale for assisting with the Conference web site, and Lisa Tolles of Sheridan Printing Company for the preparation of the proceedings.

Finally, we acknowledge the support of the ACM through its special interest groups SIGART and SIGCHI. We also wish to thank our corporate supporters RedWhale Software, Microsoft Research and IBM Research, and the institutional support of the National Science Foundation.

We hope that you find this an innovative and interesting program, and that the conference will provide you with the opportunities to meet other researchers and practitioners with whom you can share ideas and cooperate in the future. We're looking forward to see you in Lisboa!

**Carlos Duarte
and Luís Carriço**

IUI'12 General Chairs

**Joaquim Jorge, Sharon Oviatt,
and Daniel Gonçalves**

IUI'12 Program Chairs

Table of Contents

IUI 2012 Conference Organization.....	xi
---------------------------------------	----

IUI 2012 Sponsors & Supporters.....	xxii
-------------------------------------	------

Session 1: Mobile Interfaces & Novel Interaction

• Probabilistic Pointing Target Prediction via Inverse Optimal Control	1
Brian D. Ziebart, Anind K. Dey, J. Andrew Bagnell (<i>Carnegie Mellon University</i>)	
• Towards Online Adaptation and Personalization of Key-Target Resizing for Mobile Devices	11
Tyler Baldwin, Joyce Y. Chai (<i>Michigan State University</i>)	
• Multimodal Interaction Patterns in Mobile Local Search	21
Patrick Ehlen (<i>AT&T</i>), Michael Johnston (<i>AT&T Labs Research</i>)	
• In-Vehicle Driver Recognition Based on Hands ECG Signals	25
Hugo Silva (<i>IT/IST-UTL</i>), André Lourenço (<i>DEETC/ISEL-IPL</i>), Ana Fred (<i>IT/IST-UTL</i>)	
• Performance Comparisons of Phrase Sets and Presentation Styles for Text Entry Evaluations	29
Per Ola Kristensson (<i>University of St Andrews</i>), Keith Vertanen (<i>Montana Tech of the University of Montana</i>)	
• Towards Providing Just-in: Time Vocabulary Support for Assistive and Augmentative Communication	33
Carrie Demmans Epp, Justin Djordjevic, Shimu Wu (<i>University of Toronto</i>), Karyn Moffatt (<i>University of Toronto & McGill University</i>), Ronald M. Baecker (<i>University of Toronto</i>)	
• Mobile Texting: Can Post-ASR Correction Solve the Issues? An Experimental Study on Gain vs. Costs	37
Michael Feld (<i>German Research Center for Artificial Intelligence</i>), Saeedeh Momtazi (<i>University of the Saarland</i>), Farina Freigang (<i>German Research Center for Artificial Intelligence</i>), Dietrich Klakow (<i>University of the Saarland</i>), Christian Müller (<i>German Research Center for Artificial Intelligence</i>)	

Session 2: Learning with Technology

• Style by Demonstration: Teaching Interactive Movement Style to Robots	41
James E. Young (<i>University of Manitoba & JST ERATO</i>), Kentaro Ishii, Takeo Igarashi (<i>JST ERATO & The University of Tokyo</i>), Ehud Sharlin (<i>University of Calgary</i>)	
• PhysicsBook: A Sketch-based Interface for Animating Physics Diagrams	51
Salman Cheema, Joseph J. LaViola Jr. (<i>University of Central Florida</i>)	
• A Learning Support Tool with Clinical Cases Based on Concept Maps and Medical Entity Recognition	61
Manuel de la Villa (<i>Universidad de Huelva</i>), Fernando Aparicio (<i>Universidad Europea de Madrid</i>), Manuel J. Maña (<i>Universidad de Huelva</i>), Manuel de Buenaga (<i>Universidad Europea de Madrid</i>)	
• PedConnect: An Intelligent Assistant for Teacher Social Networking	71
Jihie Kim, Yu-Han Chang, Sen Cai, Siddharth Jain (<i>University of Southern California</i>)	

Session 3: Gestures and Large Displays

• An Adaptive Solution for Intra-Operative Gesture-based Human-Machine Interaction	75
Ali Bigdelou, Loren Arthur Schwarz, Nassir Navab (<i>Technische Universität München</i>)	
• Unistroke Gestures on Multi-Touch Interaction:	
• Supporting Flexible Touches with Key Stroke Extraction	85
Yingying Jiang, Feng Tian, Xiaolong Zhang, Wei Liu, Guozhong Dai, Hongan Wang (<i>Chinese Academy of Sciences</i>)	

- **Continuous Recognition of One-Handed and Two-Handed Gestures Using 3D Full-Body Motion Tracking Sensors** 89
Per Ola Kristensson, Thomas F.W. Nicholson, Aaron Quigley (*University of St Andrews*)
- **Studying User-defined iPad Gestures for Interaction in Multi-display Environment** 93
Ekaterina Kurdyukova, Matthias Redlin, Elisabeth André (*University of Augsburg*)
- **Using Intelligent Natural User Interfaces to Support Sales Conversations** 97
Sven Gehring, Markus Löchtefeld, Florian Daiber, Matthias Böhrer, Antonio Krüger (*Saarland University*)
- **A Glove for Tapping and Discrete 1D/2D Input**..... 101
Sam A. Miller (*NASA Langley Research Center*),
Andy Smith, Sina Bahram, Robert St. Amant (*North Carolina State University*)
- **Using Overlays to Support Collaborative Interaction with Display Walls** 105
Arvind Satyanarayan (*Stanford University*), Nadir Weibel, James D. Hollan (*University of California, San Diego*)

Session 4: Designing Narratives & Theater

- **Virtual Stage Linked with a Physical Miniature Stage to Support Multiple Users in Planning Theatrical Productions** 109
Yosuke Horiuchi (*Keio University*), Tomoo Inoue (*University of Tsukuba*), Ken-ichi Okada (*Keio University*)
- **Exploring Passive User Interaction for Adaptive Narratives** 119
Stephen W. Gilroy, Julie Porteous, Fred Charles, Marc Cavazza (*Teesside University*)

Session 5: Personalization, Search & Usability

- **On Slide-Based Contextual Cues for Presentation Reuse** 129
Moushumi Sharmin, Lawrence Bergman, Jie Lu, Ravi Konuru (*IBM T.J. Watson Research Center*)
- **Collecting Relevance Feedback on Titles and Photographs in Weblog Posts** 139
Amy Campbell (*University of California, Berkeley*),
Christopher Wienberg, Andrew S. Gordon (*University of Southern California*)
- **Effective Browsing and Serendipitous Discovery with an Experience-Infused Browser** . 149
Sudheendra Hangal, Abhinay Nagpal, Monica S. Lam (*Stanford University*)
- **Towards an Intelligent Reviewer’s Assistant: Recommending Topics to Help Users to Write Better Product Reviews** 159
Ruihai Dong, Kevin McCarthy, Michael P. O’Mahony, Markus Schaal, Barry Smyth (*University College Dublin*)
- **Are Explanations Always Important? A Study of Deployed, Low-Cost Intelligent Interactive Systems** 169
Andrea Bunt, Matthew Lount (*University of Manitoba*), Catherine Lauzon (*University of British Columbia*)

Session 6: Social Computing & Media

- **Modeling Topic Specific Credibility in Twitter** 179
Byungkyu Kang, John O’Donovan, Tobias Höllerer (*University of California, Santa Barbara*)
- **Summarizing Sporting Events Using Twitter** 189
Jeffrey Nichols, Jalal Mahmud, Clemens Drews (*IBM Research – Almaden*)
- **EPIC: A Multi-Tiered Approach to Enterprise Email Prioritization** 199
Jie Lu, Zhen Wen, Shimei Pan, Jennifer Lai (*IBM T. J. Watson Research Center*)
- **Finding Someone in My Social Directory Whom I Do Not Fully Remember or Barely Know** 203
Michelle X. Zhou, Wei Zhang, Barton Smith (*IBM Research – Almaden*),
Erika Varga (*IBM Software Group – Collaboration Solutions*), Martin Farias, Hernan Badenes (*IBM Argentina*)

Session 7: Smart Infrastructure

- **A Visual Programming Language for Designing Interactions Embedded in Web-based Geographic Applications** 207
The Nhan Luong, Patrick Etcheverry, Christophe Marquesuzaà, Thierry Nodenot
(*Université de Pau et des Pays de l’Adour*)

- **Automatic Reverse Engineering of Interactive Dynamic Web Applications to Support Adaptation across Platforms**217
Federico Bellucci, Giuseppe Ghiani, Fabio Paternò, Claudio Porta (*CNR-ISTI, HIIS*)
- **Towards Automatic Functional Test Execution**227
Pablo Pedemonte (*IBM Argentina*), Jalal Mahmud, Tessa Lau (*IBM Research – Almaden*)
- **Lin-spiration: Using a Mixture of Spiral and Linear Layouts to Explore Time Series**237
Eduardo Graells (*Universitat Pompeu Fabra*), Alejandro Jaimes (*Yahoo! Research Barcelona*)

Poster Presentation

- **Intelligent Pairing Assistant for Air Operation Centers**241
Jeremy Ludwig (*Stottler Henke Associates*), Eric Geiselman (*Air Force Research Laboratory*)
- **CAVIAR: A Vibrotactile Device for Accessible Reaching**245
Sina Bahram, Arpan Chakraborty, Robert St. Amant (*North Carolina State University*)
- **Clustering Web Pages to Facilitate Revisitation on Mobile Devices**249
Jie Liu, Chun Yu, Wenchang Xu, Yuanchun Shi (*Tsinghua University*)
- **Out of the Bubble - Serendipitous Event Recommendations at an Urban Culture Festival**253
Andreas Forsblom, Petteri Nurmi, Pirkka Åman, Lassi Liikkanen (*Helsinki Institute for Information Technology*)
- **Image Registration for Text-gaze Alignment**257
Pascual Martinez-Gomez, Chen Chen (*The University of Tokyo*),
Tadayoshi Hara (*National Institute of Informatics*),
Yoshinobu Kano (*PRESTO, Japan Science and Technology Agency*),
Akiko Aizawa (*National Institute of Informatics*)
- **Music Listening History Explorer: An Alternative Approach for Browsing Music Listening History Habits**261
Ricardo Dias, J. Fonseca, Daniel Gonçalves (*Technical University of Lisbon*)
- **LogicPad: A Pen-Based Application for Visualization and Verification of Boolean Algebra**265
Bo Kang, Joseph J. LaViola Jr. (*University of Central Florida*)
- **Interactive Uncertainty Analysis**269
Pedro Szekeley, Rajiv T. Maheswaran, Yu-Han Chang, Yan Wang, Huihui Cheng, Karan Singh (*University of Southern California*)
- **The Quest for Validated Personality Trait Stories**273
Matt Dennis, Judith Masthoff, Chris Mellish (*University of Aberdeen*)
- **Audio Cloud: Creation and Rendering**277
Jitendra Ajmera, Om D Deshmukh, Anupam Jain, Amit Anil Nanavati, Nitendra Rajput, Saurabh Srivastava (*IBM India Research Lab*)
- **Pointing at Responsive Objects Outdoors**281
Yang-Lei Zhao, Arpan Chakraborty, KyungWha Hong, Shishir Kakkaradi, Robert St. Amant (*North Carolina State University*)
- **Towards Recognizing “Cool”: Can End Users Help Computer Vision Recognize Subjective Attributes of Objects in Images?**285
William Curran, Travis Moore, Todd Kulesza, Weng-Keen Wong, Sinisa Todorovic (*Oregon State University*),
Simone Stumpf (*City University, London*), Rachel White, Margaret Burnett (*Oregon State University*)
- **Where Do Facebook Intelligent Lists Come From?**289
Fatoumata Camara, Gaelle Calvary (*Laboratoire d’Informatique de Grenoble*),
Rachel Demumieux (*Orange Labs*), Nadine Mandran (*Laboratoire d’Informatique de Grenoble*)
- **Machine Listening: Acoustic Interface with ART**293
Benjamin D. Smith, Guy E. Garnett (*University of Illinois at Urbana-Champaign*)

- **1F: One Accessory Feature Design for Gesture Recognizers**297
Radu-Daniel Vatavu (*University Stefan cel Mare of Suceava*)
- **Activity-Aware Recommendation for Collaborative Work in Operating Rooms** 301
Afsaneh Doryab, Julian Togelius, Jakob E. Bardram (*IT University of Copenhagen*)

Demonstration Session

- **Universal Earphones: Earphones with Automatic Side and Shared Use Detection** 305
Kohei Matsumura (*Japan Advanced Institute of Science and Technology & JST ERATO*),
Daisuke Sakamoto (*JST ERATO & The University of Tokyo*),
Masahiko Inami (*JST ERATO & Keio University*),
Takeo Igarashi (*JST ERATO & The University of Tokyo*)
- **A Demo of a Facial UI Design Approach for Digital Artists**307
Pedro Bastos (*Engenharia University Porto*), Xenxo Alvarez, Verónica Orvalho (*Ciências University Porto*)
- **Simple, Fast, and Accurate Clustering of Data Sequences** 309
Luis A. Leiva, Enrique Vidal (*Universitat Politècnica de València*)
- **Interaction-based User Interface Redesign**311
Luis A. Leiva (*Universitat Politècnica de València*)
- **Explain-a-LOD: Using Linked Open Data for Interpreting Statistics** 313
Heiko Paulheim (*Technische Universität Darmstadt*)
- **Smart Interface for Reshaping Photos in 3D**315
Rui Nóbrega, Nuno Correia (*Universidade Nova de Lisboa*)
- **RadSpeech’s Mobile Dialogue System for Radiologists**317
Daniel Sonntag, Christian Schulz, Christian Reuschling, Luis Galarraga (*German Research Center for AI - DFKI*)
- **Airwriting: Demonstrating Mobile Text Input by 3d-Space Handwriting Recognition**319
Christoph Amma, Tanja Schultz (*Karlsruhe Institute of Technology*)
- **Wheeling around with Wanteat:
Exploring Mixed Social Networks in the Gastronomy Domain** 321
Fabrizio Antonelli (*Telecom Italia*),
Giulia Biamino, Francesca Carmagnola, Federica Cena, Elisa Chiabrando, Luca Console (*University of Turin*),
Vincenzo Cuciti, Matteo Demichelis (*Telecom Italia*), Franco Fassio (*University of Gastronomic Sciences*),
Fabrizio Franceschi (*Telecom Italia*), Roberto Furnari, Cristina Gena (*University of Turin*),
Marina Geymonat (*Telecom Italia*), Piercarlo Grimaldi (*University of Gastronomic Sciences*),
Pierluigi Grillo (*University of Turin*), Elena Guercio (*Telecom Italia*),
Silvia Likavec, Iliaria Lombardi (*University of Turin*), Dario Mana, Alessandro Marcengo (*Telecom Italia*),
Michele Mioli (*University of Turin*), Mario Mirabelli (*Telecom Italia*),
Monica Perrero (*University of Turin & Telecom Italia*), Claudia Picardi (*University of Turin*),
Federica Protti (*University of Turin & Telecom Italia*), Amon Rapp (*Telecom Italia*),
Roberta Sandon (*University of Gastronomic Sciences*), Rossana Simeoni (*Telecom Italia*),
Daniele Theseider Dupré, Iliaria Torre, Andrea Toso (*University of Turin*),
Fabio Torta (*University of Gastronomic Science*), Fabiana Vernerio (*University of Turin*)
- **KMuIE: A Framework for User-Based Comparison of Recommender Algorithms** 323
Alan Said, Ernesto W. De Luca, Benjamin Kille, Brijnesh J. Jain, Immo Micus, Sahin Albayrak
(*Technische Universität Berlin*)
- **A Prototype for Interactive Speech Transcription Balancing Error
and Supervision Effort** 325
Isaias Sanchez-Cortina, Nicolás Serrano, Alberto Sanchis, Alfons Juan (*Universitat Politècnica de València*)
- **Seamless Online/Offline Shopping Experience Design for In-store Customers**327
Udana Bandara (*Rakuten Inc.*)
- **icAuth: Image Color Based Authentication System** 329
Prمود Verma (*Johns Hopkins University*)
- **A Web-Based User Interface for Interaction with Hierarchically Structured Events**331
Sven Buschbeck, Anthony Jameson (*German Research Center for Artificial Intelligence*),
Tanja Schneeberger, Robin Woll (*Saarland University*)

- **PINTER: Interactive Storytelling with Physiological Input**.....333
Stephen W. Gilroy, Julie Porteous, Fred Charles, Marc Cavazza (*Teesside University*)
- **A Flexible Platform for Developing Context-Aware 3D Gesture-based Interfaces** 335
Ali Bigdelou, Loren Arthur Schwarz, Tobias Benz, Nassir Navab (*Technische Universität München*)
- **First Demonstration of the Intelligent Reviewer’s Assistant**.....337
Ruihai Dong, Kevin McCarthy, Michael P. O’Mahony, Markus Schaal, Barry Smyth (*University College Dublin*)
- **Collecting Multimodal Data in the Wild**.....339
Michael Johnston (*AT&T Labs Research*), Patrick Ehlen (*AT&T*)

Doctoral Consortium

- **Deducing Parameters for Personalizing Maps from Map Interaction Patterns** 341
Beate Weninger (*HafenCity University Hamburg*)
- **Evaluating an Organic User Interface for Learning Mathematics**..... 345
Wong Bee Suan (*Victoria University of Wellington*)
- **Generation Y Interactions** 349
Wei Liu (*Delft University of Technology*)
- **Active Forms for Responsive Environments** 353
Simon Scott-Harden (*Northumbria University*)
- **Using Theories of Intrinsic Motivation to Support ICT Learning for the Ageing Population** 359
Tanya Goldhaber (*Cambridge University*)
- **Virtual Marionette**..... 363
Luís Leite (*FEUP*)
- **Eliciting Evaluative Comments from Users in Web 2.0 Scenarios**..... 367
Richard C. Gomer (*University of Southampton*)
- **Graph Based User Modeling** 371
Amit Tiroshi (*University of Haifa*)
- **An Explanation-Centric Approach for Personalizing Intelligent Agents** 375
Todd Kulesza (*Oregon State University*)
- **Design for Reflection on Health Behavior Change** 379
Feng Gao (*University of Southampton*)
- **Managing Implicit Assumptions in Natural Language Interfaces** 383
Dustin Arthur Smith (*Massachusetts Institute of Technology*)
- **Quantitative Analysis and Inference on Gaze Data Using Natural Language Processing Techniques** 389
Pascual Martinez-Gomez (*The University of Tokyo*)

Workshops

- **IUI 2012 2nd Workshop on Location Awareness for Mixed and Dual Reality (LaMDa’12)** 393
Tim Schwartz (*Cluster of Excellence - Multimodal Computing & Interaction*), Gerrit Kahl (*German Research Center for Artificial Intelligence*), Petteri Nurmi, Teemu Pulkkinen (*Helsinki Institute for Information Technology*), Eyal Dim (*The University of Haifa*), Sally Applin (*University of Kent*)
- **1st International Workshop on User Modeling from Social Media** 397
Jalal Mahmud, Jeffrey Nichols, Michelle Zhou (*IBM Research - Almaden*)
- **3rd Workshop on Semantic Models for Adaptive Interactive Systems (SEMAIS)** 401
Tim Hussein (*University of Duisburg-Essen*), Stephan Lukosch (*Delft University of Technology*), Heiko Paulheim (*Technische Universität Darmstadt*), Jürgen Ziegler (*University of Duisburg-Essen*), Gaëlle Calvary (*Grenoble INP, CNRS, LIG*)

- **Developing Intelligent User Interfaces for e-Accessibility and e-Inclusion** 405
Pradipta Biswas, Pat Langdon (*University of Cambridge*),
Christoph Jung, Pascal Hamisu (*Fraunhofer-Institut für Graphische*), Carlos Duarte (*University of Lisbon*),
Luis Almeida (*Centro de Computação Gráfica*)
- **2nd Workshop on Context-awareness in Retrieval and Recommendation** 409
Ernesto W. De Luca (*Technische Universität Berlin*), Matthias Böhmer (*DFKI GmbH*),
Alan Said (*Technische Universität Berlin*), Ed Chi (*Google Inc.*)
- Author Index** 413

IUI 2012 Conference Organization

General Chairs: Carlos Duarte (*University of Lisbon, Portugal*)
Luís Carriço (*University of Lisbon, Portugal*)

Program Chairs: Joaquim Jorge (*INESC-ID, Portugal*)
Sharon Oviatt (*Incaa Designs, USA*)
Daniel Gonçalves (*INESC-ID, Portugal*)

Workshops Chairs: Andreas Butz (*University of Munich, Germany*)
Per Ola Kristensson (*University of St. Andrews, UK*)

Demonstrations Chair: Nadir Weibel (*University of California San Diego, USA*)

Doctoral Consortium Chairs: Nuria Oliver (*Telefonica Research, Spain*)
Mauro Cherubini (*Telefonica Research, Spain*)

Local Arrangements Chairs: André Falcão (*University of Lisbon, Portugal*)
António Ferreira (*University of Lisbon, Portugal*)

Treasurer: Lawrence Bergman (*IBM Watson Labs, USA*)

Steering Committee Chair: Angel Puerta (*RedWhale Software, USA*)

Steering Committee: W. Lewis Johnson (*USC/ISI, USA*)
Mark Maybury (*MITRE, USA*)
Doug Riecken (*CCLS Columbia University, USA*)
Candace Sidner (*BAE Systems, AIT, USA*)
Robert St. Amant (*North Carolina State University, USA*)

Senior Program Committee: Christine Alvarado (*Harvey Mudd College, USA*)
Elisabeth André (*Augsburg University, Germany*)
Sumit Basu (*Microsoft Research, USA*)
Mark Billingham (*HIT Lab NZ, University of Canterbury, New Zealand*)
Oliver Brdiczka (*Darmstadt University of Technology, Germany*)
Jose Campos (*Universidade do Minho, Portugal*)
Pedro Campos (*University of Madeira, Portugal*)
Joyce Chai (*Michigan State University, USA*)
Teresa Chambel (*LaSIGE, University of Lisbon, Portugal*)
Fang Chen (*NICTA, Australia*)
Phil Cohen (*OGI/OHSU, USA*)
Cristina Conati (*University of British Columbia, Canada*)
Nuno Correia (*New University of Lisbon, Portugal*)

Senior Program Committee

(continued): Maria Francesca Costabile (*University of Bari, Italy*)
Allen Cypher (*IBM Almaden Research Center, USA*)
Danyel Fisher (*Microsoft Research, USA*)
Manuel Fonseca (*INESC-I/IST/UTL, Portugal*)
Bernd Froehlich (*Bauhaus-Universitaet Weimar, Germany*)
Tiago Guerreiro (*INESC-I/IST/UTL, Portugal*)
Tracy Hammond (*Texas A&M University, USA*)
Stacy Hobson (*IBM, USA*)
Antonio Krüger (*DFKI GmbH, Germany*)
Tessa Lau (*IBM Almaden Research Center, USA*)
Joseph LaViola (*University of Central Florida, USA*)
James Lester (*North Carolina State University, USA*)
Henry Lieberman (*Massachusetts Institute of Technology, USA*)
Wendy Mackay (*INRIA, France*)
Louis-Philippe Morency (*University of Southern California, USA*)
Christian Mueller (*German Research Center for Artificial Intelligence, Germany*)
Petteri Nurmi (*University of Helsinki, Finland*)
Nuria Oliver (*Telefonica R&D, Spain*)
Philippe Palanque (*ICS-IRIT, Université Paul Sabatier, France*)
Cecile Paris (*CSIRO/ICT Centre, Australia*)
Fabio Paternó (*CNR-ISTI, Italy*)
Catherine Pelachaud (*University of Paris 8, France*)
Beryl Plimmer (*University of Auckland, New Zealand*)
Rui Prada (*INESC-ID and Instituto Superior Técnico-UTL, Portugal*)
John Riedl (*University of Minnesota, USA*)
Thomas Rist (*University of Applied Sciences Augsburg, Germany*)
Dave Roberts (*Open University, UK*)
Teresa Romão (*FCT/UNL, Portugal*)
Carolyn Rose (*Human Computer Interaction Institute, Carnegie Mellon University, USA*)
Metin Sezgin (*MIT CSAIL, USA*)
Manas Tungare (*Virginia Tech / Google, USA*)
Min Wu (*Oracle, USA*)
Massimo Zancanaro (*FBK-irst, Italy*)
Michelle Zhou (*IBM Almaden Research Center, USA*)
Ingrid Zukerman (*Monash University, Australia*)

Program Committee: Matt Adcock (*CSIRO, Australia*)
Aaron Adler (*BBN Technologies, USA*)
Ana Afonso (*Universidade de Lisboa, Portugal*)
Wolfgang Aigner (*Vienna University of Technology, Austria*)
Jason Alexander (*Lancaster University, United Kingdom*)
Dzmitry Aliakseyeu (*Philips Research Europe, The Netherlands*)
Margarita Anastassova (*CEA, LIST, Laboratoire d'Interfaces Sensorielles, France*)
Adrienne Andrew (*University of Washington, USA*)
Pierre Andrews (*Università degli Studi di Trento, Italy*)
Liliana Ardissono (*University of Torino, Italy*)
Carmelo Ardito (*Università degli Studi di Bari, Italy*)
Kenneth Arnold (*MIT, USA*)
Ernesto Arroyo (*MIT, USA*)
Daniel Ashbrook (*Nokia Research Center Hollywood, Georgia Institute of Technology, USA*)
Nikolaos Avouris (*University of Patras, Greece*)
Daniel Avrahami (*Intel, University of Washington, USA*)
Seok-Hyung Bae (*KAIST, Republic of Korea*)
Alok Baikadi (*North Carolina State University, USA*)
Brian Bailey (*University of Illinois-Urbana, USA*)
Rafael Ballagas (*Nokia Research Center, USA*)
Tiffany Barnes (*The University of North Carolina at Charlotte, USA*)
Barbara Rita Barricelli (*Università degli Studi di Milano, Italy*)
Paulo Barthelmess (*Adapx Inc., USA*)
Christian Bastien (*Univ. Paul Verlaine – Metz, France*)
Scott Bateman (*University of Saskatchewan, Canada*)
Eric Baumer (*Cornell University, USA*)
Joerg Baus (*German Research Center for Artificial Intelligence, Germany*)
Russell Beale (*University of Birmingham, UK*)
Michel Beaudouin-Lafon (*Université Paris-Sud, France*)
Karin Bee (*Augsburg University, Germany*)
Nikolaus Bee (*Augsburg University, Germany*)
Andrew Begel (*Microsoft Research, USA*)
Gordon Bell (*Microsoft, USA*)
Victoria Bellotti (*Palo Alto Research Center, USA*)
Lawrence Bergman (*IBM T.J. Watson Research Center, USA*)
Shlomo Berkovsky (*CSIRO, Australia*)
Michael Bernstein (*Massachusetts Institute of Technology, USA*)
Sven Bertel (*Bauhaus-Universität Weimar, Germany*)
Sumithra Bhakthavatsalam (*Adapx, USA*)
Sourav Bhattacharya (*Helsinki Institute for Information Technology HIIT, Finland*)

Program Committee

(continued): Jeffrey Bigham (*University of Rochester, USA*)
Fernando Birra (*Faculdade Ciências e Tecnologia/UNL, Portugal*)
Pradipta Biswas (*University of Cambridge Computer Laboratory, England*)
Roland Blach (*CC Virtual Environments, Fraunhofer IAO, Germany*)
Rachel Blagojevic (*University of Auckland, New Zealand*)
Marco Blumendorf (*TU-Berlin, DAI-Labor, Germany*)
Matthias Böhmer (*German Research Center for Artificial Intelligence, Germany*)
Jared Bott (*University of Central Florida, USA*)
Matt-Mouley Bouamrane (*University of Manchester, United Kingdom*)
Mohamed Bourimi (*University of Siegen, Germany*)
Chris Bowers (*University of Birmingham, UK*)
Gregor Broll (*DOCOMO Euro-Labs, Germany*)
Andrea Bunt (*University of Manitoba, Canada*)
Paolo Buono (*Università degli Studi di Bari, Italy*)
Robin Burke (*DePaul University, USA*)
Margaret Burnett (*Oregon State University, USA*)
Giuseppe Carenini (*University of British Columbia, Canada*)
Mark Carman (*Monash University, Australia*)
Luis Carriço (*Faculty of Sciences, University of Lisbon, Portugal*)
Stefania Castellani (*Xerox Research Centre Europe, France*)
Sandro Castronovo (*DFKI, Germany*)
Marc Cavazza (*University of Tesside, United Kingdom*)
Eva Cerezo (*University of Zaragoza, Spain*)
Daniel Cernea (*University of Kaiserslautern, Germany & Linnaeus University, Sweden*)
Duen Horng Chau (*Carnegie Mellon University, USA*)
Beenish Chaudry (*Indiana University, USA*)
Zebin Chen (*Microsoft, USA*)
Jilin Chen (*Palo Alto Research Center, USA*)
Chi-Hua Chen (*National Chiao Tung University, Taiwan*)
Shiwei Cheng (*Zhejiang University, China*)
Lynn Cherny (*Adobe, Inc., USA*)
Mauro Cherubini (*Telefonica Research, Italy*)
Keith Cheverst (*Lancaster University, UK*)
Yoram Chisik (*University of Baltimore, USA & Madeira Interactive - Technologies Institute, Portugal*)
Eric Choi (*National ICT Australia, Australia*)
Jason Chuang (*Stanford University, USA*)
Cagla Cig (*Koc University, Turkey*)
Alexis Clay (*ESTIA, France*)
Nathalie Colineau (*CSIRO - ICT Centre, Australia*)
Christopher Collins (*University of Ontario Institute of Technology, Canada*)

Program Committee

(continued): Dan Cosley (*Cornell University, USA*)
Nadine Couture (*LIPSI-ESTIA, France*)
Danielle Cummings (*Texas A&M University, USA*)
Raimund Dachsel (*University of Magdeburg, Germany*)
Aba-Sah Dadzie (*The University of Sheffield, UK*)
Florian Daiber (*DFKI GmbH, Germany*)
Ionut Damian (*Augsburg University, Germany*)
José Danado (*NTNU, Norway*)
Chi Tai Dang (*University of Augsburg, Germany*)
Randall Davis (*MIT, USA*)
Nadja De Carolis (*University of Bari, Italy*)
Alexander De Luca (*Ludwig-Maximilians Universität München, Germany*)
Marco de Sá (*Yahoo! Research, USA*)
Frederic Dehais (*ISAE, France*)
Matthias Deller (*TU Kaiserslautern \ DFKI GmbH, Germany*)
Xiaoming Deng (*Institute of Software, Chinese Academy of Sciences, China*)
Debayan Dhar (*Indian Institute of Technology, India*)
A. Eduardo Dias (*Faculdade de Ciências e Tecnologia - Universidade Nova de Lisboa, Portugal*)
Paulo Dias (*IEETA - University of Aveiro, Portugal*)
Jonathan Diehl (*RWTH Aachen University, Germany*)
Anke Dittmar (*University of Rostock, Germany*)
John Dowding (*Adapx, Inc., USA*)
Steven Drucker (*Microsoft Research, USA*)
Carlos Duarte (*Universidade de Lisboa, Portugal*)
Henry Been-Lirn Duh (*National University of Singapore, Singapore*)
Elizabeth Dykstra-Erickson (*ACCESS Systems Americas, USA*)
Achim Ebert (*University of Kaiserslautern, Germany*)
Gary Edwards (*Lockheed Martin Adv Tech Labs, USA*)
Patrick Ehlen (*AT&T Labs Research, USA*)
Julien Epps (*National ICT Australia, The University of New South Wales, Australia*)
Elisabetta Farella (*DEIS - University of Bologna, Italy*)
Michael Feld (*German Research Center for AI (DFKI), Germany*)
Mirko Fetter (*Otto-Friedrich-Universität Bamberg, Germany*)
Rebecca Fiebrink (*Princeton University, Microsoft Research, University of Washington, USA*)
Martin Field (*Texas A&M University, USA*)
Frederico Figueiredo (*Nokia Siemens Networks, INESC-ID, Portugal*)
Siska Fitrianie (*Delft University of Technology, The Netherlands*)
Morten Fjeld (*Chalmers University of Technology, Sweden*)
Peter Forbrig (*University of Rostock, Germany*)
Kenneth Forbus (*Northwestern University, USA*)

Program Committee

(continued): Ana Fred (*Instituto de Telecomunicacoes, Portugal*)
Jochen Frey (*DFKI GmbH, Germany*)
Jill Freyne (*CSIRO, Australia*)
Enrique Frias-Martinez (*Telefonica Research, Spain*)
Doron Friedman (*The Interdisciplinary Center, Israel*)
Krzysztof Gajos (*Harvard University, United States*)
Xuefei Gao (*University of Illinois at Urbana-Champaign, USA*)
Daniel Gatica-Perez (*Idiap Research Institute, Switzerland*)
Sven Gehring (*German Research Center for Artificial Intelligence, Germany*)
Melinda Gervasio (*SRI International, USA*)
Werner Geyer (*IBM T.J. Watson Research, USA*)
Yolanda Gil (*University of Southern California Information Sciences Institute, USA*)
Roland Goecke (*University of Canberra, Australia*)
Gloria Gomez (*Oceanbrowser Ltd, New Zealand*)
Dorian Gorgan (*Technical University of Cluj-Napoca, Romania*)
Raphael Grasset (*ARTIS-GRAVIR/IMAG INRIA, France*)
Paul Gross (*Washington University in St. Louis, USA*)
Anne Gross (*Fraunhofer IESE, Germany*)
João Guerreiro (*INESC-ID, Instituto Superior Técnico, Portugal*)
Chris Gunn (*CSIRO, Australia*)
Gholamreza Haffari (*Monash University, Australia*)
Martin Halvey (*University of Glasgow, United Kingdom*)
Michael Harrison (*School of Computing Science, Newcastle University, England*)
Kirstie Hawkey (*Dalhousie University, Canada*)
Dominikus Heckmann (*DFKI, Germany*)
Niels Henze (*University of Oldenburg, Germany*)
Eelco Herder (*L3S Research Center, Germany*)
Wilko Heuten (*OFFIS, Germany*)
DJ Hoets, (*Flipside, The Netherlands*)
Paul Holleis (*DoCoMo Euro-Labs Munich, Germany*)
Christian Holz (*Hasso Plattner Institute, Germany*)
Aaron Houssian (*Philips Research, Delft University of Technology, The Netherlands*)
Hao-Wei Hsieh (*University of Iowa, USA*)
Jochen Huber (*TU Darmstadt, Germany*)
Stephane Huot (*Univ Paris-Sud, CNRS, INRIA, France*)
Amy Hurst (*Carnegie Mellon University, USA*)
Tim Hussein (*University of Duisburg-Essen, Germany*)
Aulikki Hyrskykari (*University of Tampere, Finland*)
Francisco Iacobelli (*Northeastern Illinois University, USA*)
Netta Iivari (*University of Oulu, Finland*)

Program Committee Shamsi Iqbal (*Microsoft Research, USA*)
(continued): Pourang Irani (*University of Manitoba, Canada*)
Linda Jackson (*Michigan State University, USA*)
Christophe Jacquet (*Supélec, LIMSI-CNRS, France*)
Anthony Jameson (*German Research Institute for Artificial Intelligence (DFKI), Germany*)
Krystian Ji (*National ICT Australia, Australia*)
Michael Johnston (*AT&T Labs Research, USA*)
Arne Jonsson (*Linköping University, Sweden*)
Christophe Jouffrais (*CNRS, Univ. of Toulouse, France*)
Kshitij Judah (*Oregon State University, USA*)
Sasa Junuzovic (*Microsoft Research, USA*)
Marko Jurmu (*University of Oulu, Finland*)
Gerrit Kahl (*German Research Center for Artificial Intelligence, Germany*)
Edward Kaiser (*Adapx, USA*)
Donald Kalar (*NASA Ames Research Center, USA*)
Ece Kamar (*Microsoft Research, USA*)
Slim Kammoun (*IRIT, CNRS & University of Toulouse, France*)
Eser Kandogan (*IBM, USA*)
Ashish Kapoor (*Microsoft Research, USA*)
Sarvnaz Karimi (*NICTA, The University of Melbourne, Australia*)
Nikolaus Karpinsky (*Iowa State University, USA*)
Judy Kay (*University of Sydney, Australia*)
Patrick Gage Kelley (*Carnegie Mellon University, USA*)
Aisling Kelliher (*Arizona State University, USA*)
Peter Khooshabeh (*University of California, Santa Barbara, USA*)
Sung-Hee Kim (*Purdue, USA*)
Jonghwa Kim (*University Augsburg, Germany*)
Felix Kistler (*Augsburg University, Germany*)
Thomas Kleinbauer (*Monash University, Australia*)
Andrea Kohlhase (*Jacobs University Bremen, Germany*)
Nicolas Kokkalis (*Stanford University, USA*)
Regis Kopper (*University of Florida, USA*)
Matthias Kranz (*Technische Universität München, Germany*)
Sven Kratz (*University of Munich, Germany*)
Per Ola Kristensson (*University of St Andrews, United Kingdom*)
David Krum (*Institute for Creative Technologies, USA*)
Alexander Kulik (*Bauhaus-Universität Weimar, Germany*)
Rohit Kumar (*Raytheon BBN Technologies, USA*)
A. Kumaran (*Microsoft Research India, India*)
Andrew Kun (*University of New Hampshire, USA*)
Mary LaLomia (*Philips Medical, USA*)
Shyong Lam (*University of Minnesota, USA*)
Rosa Lanzilotti (*University of Bari, Italy*)
Luis Leiva (*Universitat Politècnica de València, Spain*)

Program Committee

(continued): Céline Lemercier (*Université de Toulouse, France*)
Raimondas Lencevicius (*USA*)
Barbara Leporini (*ISTI – CNR, Italy*)
Bruno Lepri (*FBK, Italy*)
Ian Li (*Carnegie Mellon University, USA*)
Chunyuan Liao (*FXPAL, USA*)
Ilaria Liccardi (*INRIA, Université de Paris-Sud, France*)
Brian Lim (*Carnegie Mellon University, USA*)
Thomas Lin (*University of Washington, USA*)
Agnes Lisowska Masson (*University of Fribourg, Switzerland*)
Shixia Liu (*Microsoft Research Asia, China*)
Wenyin Liu (*City University of Hong Kong, China*)
Markus Löchtefeld (*German Research Center for Artificial Intelligence (DFKI), Germany*)
Joern Loviscach (*Fachhochschule Bielefeld (University of Applied Sciences), Germany*)
George Lucchese (*Texas A&M University, USA*)
Christopher Lueg (*University of Tasmania, Australia*)
Kris Luyten (*Hasselt University, Expertise Centre for Digital Media, Belgium*)
Michael Lyons (*Ritsumeikan University, Japan*)
Leilah Lyons (*University of Illinois at Chicago, USA*)
José Macías Iglesias (*Universidad Autónoma de Madrid, Spain*)
Allan MacLean (*Image Semantics Ltd, UK*)
Rui Madeira (*ESTSetúbal/IPS, IMG/CITI/FCT/UNL, Portugal*)
Jalal Mahmud (*IBM Research – Almaden, USA*)
Apostolos Malatras (*University of Fribourg, Switzerland*)
Alessio Malizia (*University Carlos III, Spain*)
Stefan Marti (*Samsung, MIT Media Lab, USA*)
Masood Masoodian (*The University of Waikato, New Zealand*)
Judith Masthoff (*University of Aberdeen, UK*)
Davide Mazza (*Politecnico di Milano, Italy*)
Emanuela Mazzone (*University of Central Lancashire, UK*)
David McGee (*Adapx, Inc., USA*)
Marilyn McGee-Lennon (*University of Glasgow, United Kingdom*)
Joanna McGrenere (*University of British Columbia, Canada*)
Gerrit Meixner (*German Research Center for Artificial Intelligence (DFKI), Germany*)
Helen Meng (*The Chinese University of Hong Kong, China*)
Takashi Miyaki (*Karlsruhe Institute of Technology, Germany*)
Jesus Molina (*Universidad de Murcia, Spain*)
Kyle Montague (*University of Dundee, Scotland*)
Florian Mueller (*RMIT University, Australia*)
Michael Muller (*IBM T.J. Watson Research, USA*)

Program Committee

(continued): Cosmin Munteanu (*National Research Council Canada, Canada*)
Dianne Murray (*Indep. Consultant, UK*)
Mirco Musolesi (*University of Birmingham, United Kingdom*)
Lennart Nacke (*University of Ontario Institute of Technology, Canada*)
Luciana Nedel (*Universidade Federal do Rio Grande do Sul, Brazil*)
Jeffrey Nichols (*IBM Research, USA*)
Hugo Nicolau (*INESC-ID, IST, UTL, Portugal*)
Sylvie Noël (*Communications Research Centre, Canada*)
Marcus Nyberg (*Ericsson Research, Sweden*)
Amy Ogan (*Carnegie Mellon University, United States*)
Alex Olwal (*Royal Institute of Technology (KTH), Columbia University, MIT Media Lab, USA*)
Stefan Oppl (*Johannes Kepler Universitaet Linz, Austria*)
Tihomir Orehovacki (*University of Zagreb, Croatia*)
Daniel Ortiz-Martínez (*Instituto Tecnológico de Informática, Universidad Politécnica de Valencia, Spain*)
Shimei Pan (*IBM Research, USA*)
Yue Pan (*School of Informatics & Computing, Indiana University, USA*)
Nadia Pantidi (*University of Nottingham, The Open University, UK*)
Oscar Pastor (*Universidad Politecnica de Valencia, Spain*)
Sharoda Paul (*GE Global Research, PARC, Penn State, USA*)
Celeste Paul (*University of Maryland Baltimore County, United States*)
Heiko Paulheim (*Technische Universitaet Darmstadt, Germany*)
Thomas Pederson (*IT University of Copenhagen, Denmark*)
Adam Perer (*IBM Research, USA*)
Mark Pfaff (*Indiana University – Indianapolis, USA*)
Matthai Philipose (*Microsoft Research, USA*)
Martin Pielot (*OFFIS Institute for Information Technology, Germany*)
Jeffrey Pierce (*IBM Research, US*)
Emmanuel Pietriga (*INRIA, University Paris-Sud, France*)
Catherine Plaisant (*University of Maryland, USA*)
Ondrej Polacek (*Czech Technical University in Prague, Czech Republic*)
Benjamin Poppinga (*OFFIS - Institute for Information Technology, Germany*)
Manoj Prasad (*Texas A&M University, USA*)
Nitendra Rajput (*IBM Research, India*)
Jamie Rasmussen (*IBM Research, United States*)
Pei-Luen Patrick Rau (*Tsinghua University, China*)
Martin Raubal (*ETH Zurich, Switzerland*)
Janet Read (*University of Central Lancashire, England*)
Tim Regan (*Microsoft Research, UK*)
Andreas Riener (*Johannes Kepler University Linz, Austria*)
Michael Robin (*Adapx, USA*)

Program Committee

(continued): Jennifer Robison (*North Carolina State University, USA*)
Michael Rohs (*University of Munich, Germany*)
Mario Romero (*Georgia Institute of Technology, USA*)
José Rouillard (*Laboratoire Trigone, France*)
Jonathan Rowe (*North Carolina State University, USA*)
Tom Rowlands (*CSIRO, Australian National University, Australia*)
Natalie Ruiz (*National ICT Australia Ltd, Australia*)
Murat Russell (*TAMU, USA*)
Antti Salovaara (*Helsinki Institute for Information Technology, HIIT, Finland*)
Carmen Santoro (*ISTI-CNR, Italy*)
Arvind Satyanarayan (*Stanford University, United States*)
Thomas Schlegel (*Technical University of Stuttgart, Germany*)
Dominik Schmidt (*Lancaster University, UK*)
Michael Schmitz (*DFKI GmbH, Germany*)
Bjoern Schuller (*Technische Universitaet Muenchen, Germany*)
Doree Seligmann (*Avaya Labs, USA*)
Shilad Sen (*Macalester College, USA*)
Yanir Seroussi (*Monash University, Australia*)
Ricky Sethi (*UC Riverside, USA*)
Frank Shipman (*Texas A&M University, USA*)
Sajad Shirali-Shahreza (*University of Toronto, Canada*)
Candace Sidner (*Worcester Polytechnic Institute, BAE Systems AIT, USA*)
Adam Sporka (*Czech Technical University in Prague, Czech Republic*)
Robert St. Amant (*North Carolina State University, USA*)
Oliver Staadt (*University of Rostock, Germany*)
Rainer Stiefelhagen (*Universität Karlsruhe (TH), Germany*)
Oliviero Stock (*FBK-IRST, Italy*)
Simone Stumpf (*City University London, UK*)
Fred Stutzman (*Carnegie Mellon University, USA*)
Xiao Hua Sun (*IBM Research China, China*)
Petra Sundström (*SICS, Mobile Life Centre, Sweden*)
Aurélien Tabard (*IT University of Copenhagen, Denmark*)
Ronnie Taib (*National ICT Australia, Australia*)
Federico Tajariol (*University of Franche-Comté, France*)
John Tang (*Microsoft Research, USA*)
Craig Tashman (*Georgia Institute of Technology, USA*)
VinhTuan Thai (*National University of Ireland, Ireland*)
Feng Tian (*Institute of Software, Chinese Academy of Sciences, P.R. China*)
Sabine Timpf (*University of Augsburg, Germany*)
Caglar Tirkaz (*Sabanci University, Koc University, Turkey*)
Elaine Tozman (*ACM, CAS, Canada*)
Polly Tremoulet (*Lockheed Martin Advanced Technology Laboratories, USA*)
Jennifer Trich Kremer (*WellPoint, Inc., USA*)

Program Committee

- (continued): Manfred Tscheligi (*University of Salzburg - ICT&S, CURE-Center for Usability Research & Engineering, Austria*)
Simon Tucker (*University of Sheffield, United Kingdom*)
Recep Sinan Tumen (*Koç University, İstanbul, Turkey*)
Rogier van Dalen (*University of Cambridge, United Kingdom*)
Jan Van den Bergh (*Hasselt University, Belgium*)
Egon van den Broek (*Center for Telematics and Information Technology, University of Twente, The Netherlands*)
Keith Vander Linden (*Calvin College, USA*)
Radu-Daniel Vatavu (*University Stefan cel Mare of Suceava, Romania*)
Keith Vertanen (*Montana Tech of The University of Montana, USA*)
Jesse Vig (*University of Minnesota, United States*)
Markel Vigo (*University of Manchester, United Kingdom*)
Juergen Vogel (*SAP Research, Switzerland*)
Gualtiero Volpe (*University of Genova, Italy*)
Johannes Wagner (*University Augsburg, Germany*)
Julie Wagner (*INRIA, Univ Paris-Sud, CNRS, France*)
James Wallace (*University of Waterloo, Canada*)
Stephen Wan (*CSIRO, Australia*)
Robert Wang (*Massachusetts Institute of Technology, USA*)
Xiaoyu Wang (*Vis Center, UNC Charlotte, United States*)
Yang Wang (*NICTA, University of New South Wales, National ICT Australia, Australia*)
Jingtao Wang (*University of Pittsburgh, USA*)
Hongan Wang (*Institute of Software, Chinese Academy of Sciences, China*)
Nadir Weibel (*University of California San Diego, USA*)
Stephan Weibelzahl (*National College of Ireland, Ireland*)
Jackie Wheeler (*IBM, USA*)
Lynn Wilcox (*FX Palo Alto Lab, USA*)
Wesley Willett (*University of California, Berkeley, USA*)
Andrew Wilson (*Microsoft Research, USA*)
Marco Winckler (*LIHHS-IRIT, France*)
Stephan Winter (*The University of Melbourne, Australia*)
Maria Wolters (*University of Edinburgh, United Kingdom*)
Huahai Yang (*IBM Almaden Research Center, USA*)
Tet Yap (*University of New South Wales, National ICT Australia, Australia*)
Koji Yatani (*Microsoft Research Asia, China*)
Tom Yeh (*University of Maryland, College Park, USA*)
Chuang-wen You (*Research Center for Information Technology Innovation, Academia Sinica, Taiwan*)
R. Michael Young (*North Carolina State University, USA*)
Nelson Zagalo (*University of Minho, Portugal*)
Xiaolong (Luke) Zhang (*Pennsylvania State University, USA*)

IUI 2012 Sponsors & Supporters

Event Sponsors:



SIGART

ACM Special Interest Group on Artificial Intelligence



SIGCHI

ACM Special Interest Group on Artificial Intelligence

Corporate
Supporters:



RedWhale Software



Microsoft Research

IBM Research

IBM Research

Institutional
Supporter:



National Science Foundation

In Cooperation
With:



Interaction-Design.org