

## Wednesday, June 18<sup>th</sup> 2014

09:00–09:15	Registration
09:15–09:30	<b>Welcome to Engineering Interactive Computing Systems 2014</b> <i>Fabio Paternò, Conference Chair</i>
09:30–10:30	<b>Making the Web More Inclusive With Adaptive User Interfaces</b> <i>Prof. Krzysztof Z. Gajos (Harvard University)</i>
10:30–11:00	Coffee break
<i>Session 1</i>	<b>Adaptation</b> Chair: Paolo Bottoni (La Sapienza - University of Rome)
11:00–11:30	<b>Dynamically Adapting an AI Game Engine Based on Players' Eye Movements and Strategies</b> <i>Stefanie Wetzel, Katharina Spiel, Sven Bertel (Bauhaus-Universität Weimar, Germany)</i>
11:30–12:00	<b>What should adaptivity mean to interactive software programmers?</b> <i>Mathieu Magnaudet, Stéphane Chatty (Université de Toulouse - ENAC, France)</i>
12:00–12:30	<b>Updating Database Schemas Without Breaking the UI: Modeling Using Cognitive Semantic Categories</b> <i>Evangelos Kapros, Simon McGinnes (Trinity College, The University of Dublin, Ireland)</i>
12:30–12:45	<b>Towards a Multi-Stakeholder Engineering Approach with Adaptive Modelling Environments</b> <i>Alfonso García Frey, Jean-Sébastien Sottet, Alain Vagner (Public Research Center Henri Tudor, Luxembourg)</i>
12:45–13:00	<b>Design Space for Focus+Context Navigation in Web Forms</b> <i>Johannes Harms, Christoph Wimmer, Karin Kappel, Thomas Grechenig (Vienna University of Technology, Austria)</i>
13:00–14:30	Lunch
<i>Session 2</i>	<b>Frameworks for Cross-device Interaction</b> Chair: Giuseppe Ghiani (CNR-ISTI)
14:30–15:00	<b>A Framework for the Development of Multi-Display Environment Applications Supporting Interactive Real-Time Portals</b> <i>Chi Tai Dang, Elisabeth Andre (Augsburg University, Germany)</i>
15:00–15:30	<b>User Interface Distribution in Multi-Device and Multi-User Environments with Dynamically Migrating Engines</b> <i>Luca Frosini, Fabio Paternò (CNR-ISTI, Italy)</i>
15:30–16:00	<b>XDKinect: Development Framework for Cross-Device Interaction using Kinect</b> <i>Michael Nebeling, Elena Teunissen, Maria Husmann, Moira Norrie (ETH Zurich, Switzerland)</i>
16:00–16:30	Coffee break

<i>Session 3</i>	<b>Collaborative Environments</b> Chair: Anke Dittmar (University of Rostock, Germany)
16:30–17:00	<b>Interaction Design Patterns for Coherent and Re-usable Shape Specifications of Human-Robot Collaboration</b> <i>Tina Mioch, Wietse Ledegang, Rosie Paulissen, Mark Neerincx, Jurriaan van Diggelen (TNO, The Netherlands)</i>
17:00–17:30	<b>Multi-Models-Based Engineering of Collaborative Systems: Application to Collision Avoidance Operations for Spacecrafts</b> <i>Célia Martinie, Eric Barboni, David Navarre, Philippe Palanque, Racim Fahssi (University of Toulouse, France), Erwann Poupart, Eliane Cubero-Castan (CNES, France)</i>
<i>Session 4</i>	<b>Doctoral Consortium Report</b>
17:30–18:00	<b>The EICS 2014 Doctoral Consortium</b> <i>Laurence Nigay (University Grenoble Alpes, France), Kris Luyten (Hasselt University, Belgium)</i>
18:00–18:30	Welcome Cocktail

## Thursday, June 19<sup>th</sup> 2014

<i>Session 5</i>	<b>Multimodal and Web Applications</b> Chair: Laurence Nigay (University Grenoble Alpes)
09:00–09:30	<b>A Domain-Specific Textual Language for Rapid Prototyping of Multimodal Interactive Systems</b> <i>Fredy Cuenca Lucero, Jan Van den Bergh, Kris Luyten, Karin Coninx (Hasselt University, Belgium)</i>
09:30–10:00	<b>Metadata Type System: Integrate Presentation, Data Models and Extraction to Enable Exploratory Browsing Interfaces</b> <i>Yin Qu, Andruid Kerne, Nic Lupfer, Rhema Linder, Ajit Jain (Texas A&amp;M University, United States)</i>
10:00–10:15	<b>Towards a Behavior-Oriented Specification and Testing Language for Multimodal Applications</b> <i>Marc Hesenius, Tobias Griebel, Volker Gruhn (University of Duisburg-Essen, Germany)</i>
10:15–10:30	<b>WiFi proximity detection in mobile web applications</b> <i>Clemens Klokmose, Matthias Korn, Henrik Blunck (Aarhus University, Denmark)</i>
10:30–11:00	Coffee break
<i>Session 6</i>	<b>Model-based UIs</b> Chair: Marco Winckler (University Paul Sabatier)
11:00–11:30	<b>Model-Driven Tools for Medical Device Selection</b> <i>Judy Bowen, Annika Hinze, Selina Reid (The University of Waikato, New Zealand)</i>
11:30–12:00	<b>Predicting Task Execution Times by Deriving Enhanced Cognitive Models from User Interface Development Models</b> <i>Michael Quade, Marc</i>

12:00–12:15	<b>Considering Task Pre-Conditions in Model-based User Interface Design and Generation</b> <i>Marco Manca, Fabio Paternò, Carmen Santoro, Lucio Davide Spano (CNR-ISTI, Italy)</i>
12:15–12:30	<b>Generating Code Skeletons for Individual Media Elements in Model-driven Development of Interactive Systems</b> <i>Andreas Pleuss (Lero, University of Limerick, Ireland)</i>
12:30–12:45	<b>A Domain-Specific Model-Based Design Approach</b> <i>Anke Dittmar, Mathias Kühn, Peter Forbrig (University of Rostock, Germany)</i>
12:45–13:00	<b>Consolidating Diverse User Profiles Based on the Profile Models of Adaptive Systems</b> <i>Effie Karuzaki (FORTH, Greece), Anthony Savidis (FORTH &amp; University of Crete, Greece)</i>
13:00–14:30	Lunch
<i>Session 7</i>	<b>Industrial Panel on Research in Service Front Ends</b>
14:30–15:30	Coordinator: <i>Fabio Paternò (CNR-ISTI)</i> Panelists: <i>Stephane Chatty (ENAC+Intuilab); Cristina Chesta (Reply); Stefano De Panfilis (Engineering Ingegneria Informatica S.p.A.); Marina Geymonat (Telecom Italia); Sebastien Lejeune (Thales)</i>
<i>Session 8</i>	<b>Touch and Gesture – based UIs</b> Chair: Carmen Santoro (CNR-ISTI)
15:30–15:45	<b>Formal Modelling of Dynamic Instantiation of Input Devices and Interaction Techniques: Application to Multi-Touch Interactions</b> <i>Hamon Arnaud (University of Toulouse &amp; Airbus Operations, France), Philippe Palanque, Martin Cronel, Eric Barboni, David Navarre (University of Toulouse, France), Raphael André (Airbus Operations, France)</i>
15:45–16:00	<b>A Gestural Concrete User Interface in MARIA</b> <i>Lucio Davide Spano, Gianni Fenu (University of Cagliari, Italy), Fabio Paternò (CNR-ISTI, Italy)</i>
16:00–16:30	Coffee Break
<i>Session 9</i>	<b>Demo Presentations</b> Chair: Giulio Mori (CNR-ISTI)
16:30–17:30	<b>Location Based Experience Design For Mobile Augmented Reality</b> <i>Anton Fedosov, Stefan Misslinger (Metaio GmbH, Germany)</i> <b>AME: an Adaptive Modelling Environment as a Collaborative Modelling Tool</b> <i>Alfonso García Frey, Jean-Sébastien Sottet, Alain Vagner (Public Research Center Henri Tudor, Luxembourg)</i> <b>Metadata Enriched Visualization of Keywords in Context</b> <i>Daniel Fischl, Arno Scharl (MODUL University Vienna, Austria)</i>

IceTT: A Responsive Visualization for Task Models *Lucio Davide Spano, Gianni Fenu (University of Cagliari, Italy)*

ESSAVis++: An Interactive 2Dplus3D Visual Environment to Help Engineers in Understanding the Safety Aspects of Embedded Systems *Ragaad Altarawneh, Jens Bauer, Shah Rukh Humayoun (University of Kaiserslautern, Germany)*

**Session 10 Late Breaking Results – Posters and Demos**

Chair: Giulio Mori (CNR-ISTI)

17:30–18:30 Implementing widgets using Sifteo cubes for visual modelling on tangible user interfaces *Yves Rangoni, Valérie Maquil, Eric Tobias, Eric Ras (Public Research Center Henri Tudor, Luxembourg)*

LoMAK: A framework for generating Locative Media Apps from KML files *Trien Do, Keith Cheverst, Ian Gregory (Lancaster University, United Kingdom)*

The FrameSoC Software Architecture for Multiple-View Trace Data Analysis *Generoso Pagano (INRIA, France), Vania Marangozova-Martin (Université Joseph Fourier, France)*

PLACID: a Planner for Dynamically Composing User Interfaces Services *Yoann Gabillon (Gabriel Lippmann, Luxembourg), Gaele Calvary, Humbert Fiorino (University Grenoble Alpes, France)*

Phone Proxies: Effortless Content Sharing between Smartphones and Interactive Surfaces *Alexander Bazo, Florian Ehtler (University of Regensburg, Germany)*

Formal Verification of UI Using the Power of a Recent Tool Suite *Raquel Oliveira (University Grenoble Alpes, CNRS & INRIA, France), Sophie Dupuy-Chessa, Gaele Calvary (University Grenoble Alpes & CNRS, France)*

19:30–22:30 Social Event at Palazzo Ruspoli (Via della Fontanella di Borghese, 56, Rome)



## Friday, June 20th 2014

- 09:00–10:00 **Mindless or Mindful Technology?**  
**Keynote Prof. Yvonne Rogers (University College London)**
- Session 11 Analytic Techniques**  
Chair: Jürgen Ziegler (University of Duisburg-Essen)
- 10:00–10:30 Triangulating Empirical and Analytic Techniques for Improving Number Entry User Interfaces *Abigail Cauchi, Patrick Oladimeji, Gerrit Niezen, Harold Thimbleby (Swansea University, UK)*
- 10:30–11:00 Coffee break
- Session 12 Prototyping and Development Frameworks**  
Chair: Michael Nebeling (ETH-Zurich)
- 11:00–11:30 Extracting Behavioral Information from Electronic Storyboards *Jason Forsyth, Tom Martin (Virginia Tech, United States)*
- 11:30–12:00 Supporting Design, Prototyping, and Evaluation of Public Display Systems *Morin Ostkamp, Christian Kray (University of Münster, Germany)*
- 12:00–12:30 SecSpace: Prototyping Usable Privacy and Security for Mixed Reality Collaborative Environments *Derek Reilly, Mohamad Salimian, Bonnie MacKay, Juliano Franz (Dalhousie University, Canada), Niels Mathiasen (Trifork, Denmark), Keith Edwards (Georgia Institute of Technology, USA)*
- 12:30–12:45 Towards a Measurement framework for Tools' Ceiling and Threshold *Rui Alves, Claudio Teixeira, Monica Nascimento, Amanda Marinho, Nuno Jardim Nunes (University of Madeira, Portugal)*
- 12:45–13:00 Presenting EveWorks, a Framework for Daily Life Event Detection *Bruno Cardoso, Teresa Romão (Universidade Nova de Lisboa, Portugal)*
- 13:00–14:30 Lunch
- 14:30–15:00 Closing + EICS 2015

## Sixth International ACM SIGCHI Symposium on Engineering Interactive Computing Systems



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