

Engineering Interactive Systems 2008

2nd Conference on Human-Centred Software Engineering (HCSE 2008) and 7th International workshop on TAsk MOdels and DIAGrams (TAMODIA 2008)



Pisa, Italy
September 25-26, 2008



Engineering Interactive Systems 2008 (EIS 2008) will combine the second working conference on Human-Centred Software Engineering (HCSE 2008) and the seventh International Workshop on TAsk MOdels and DIAGrams (TAMODIA 2008).

<http://www.swt.informatik.uni-rostock.de/HCSE2008/>

Thursday, 25th September 2008

08:30–09:00	Registration
09:00–09:15	Introduction to Engineering Interactive Systems 2008, <i>Peter Forbrig and Fabio Paternò, Conference Chairs</i>
09:15–10:15	Tasks = data + action + context: <i>Invited Talk</i> automated task assistance through data-oriented analysis. <i>Alan Dix, University of Lancaster</i>
<i>Session 1</i>	TAMODIA Session on MultiModal User Interfaces Chair: <i>Jürgen Ziegler, University of Duisburg-Essen</i>
10:15–10:30	An Event-Condition-Action approach for Contextual Interaction in Virtual Environments. <i>Lode Vanacken, Joan De Boeck, Chris Raymaekers, and Karin Coninx. Hasselt University, Belgium (Short Paper)</i>
10:30–11:00	Steps in Identifying Interaction Design Patterns for Multimodal Systems. <i>Andreas Ratzka. Universität Regensburg, Germany (Long Paper)</i>
11:00–11:30	Coffee break
<i>Session 2</i>	TAMODIA Session on Task Modeling and Usability Chair: <i>Hallvard Trættestad, Norwegian University of Science and Technology</i>
11:30–12:00	Assessment of Object Use for Task Modeling. <i>Sybille Caffiau, Patrick Girard, Dominique L. Scapin, Laurent Guitte, and Loe Sanou. Laboratoire d'Informatique Scientifique et Industrielle, France, and Institut National de Recherche en Informatique et en Automatique, France (Long Paper)</i>
12:00–12:30	Task Model-based Usability Evaluation for Smart Environments. <i>Stefan Propp, Gregor Buchholz, and Peter Forbrig. University of Rostock, Germany (Long Paper)</i>
12:30–13:00	From Task to Agent-Oriented Meta-Models, and Back Again. <i>Steve Goschnick, Sandrine Balbo, and Liz Sonenberg. University of Melbourne, Australia (Long Paper)</i>
13:00–14:30	Lunch

<i>Session 3</i>	TAMODIA Session on Model-based Design for Various Application Domains Chair: <i>Ana Isabel Molina Diaz, University of Castilla La Mancha</i>
14:30–14:45	Automated Usability Evaluation during Model-based Interactive System Development. <i>Sebastian Feuerstack, Marco Blumendorf, Maximilian Kern, Michael Kruppa, Michael Quade, Mathias Runge and Sahin Albayrak. Technische Universität Berlin, Germany, and Deutsches Forschungszentrum für Künstliche Intelligenz GmbH, Germany (Short Paper)</i>
14:45–15:00	UI design without a task modeling language – using BPMN and Diamodl for task modeling and dialog design. <i>Hallvard Trættestad, Norwegian University of Science and Technology, Norway (Short Paper)</i>
15:00–15:30	AMBOSS: A Task Modeling Approach for Safety-Critical Systems. <i>Matthias Giese, Tomasz Mistrzyk, Andreas Pfau, Gerd Szwillus, and Michael von Detten. University Paderborn, Germany (Long Paper)</i>
15:30–16:00	A Method for Modeling Interactions on Task Representations in Business Task Management Systems. <i>Todor Stoitsev, and Stefan Scheid. SAP AG, SAP Research, Germany (Long Paper)</i>
16:00–16:30	Coffee break
<i>Session 4</i>	TAMODIA Session on Task Modeling in Multi-User Applications Chair: <i>Marco Winckler, University of Toulouse</i>
16:30–16:45	Integrating Groupware Notations with UML. <i>William J. Giraldo, Ana I. Molina, Manuel Ortega, and Cesar A. Collazos. University of Quindío, Colombia, La Mancha University, Spain, and University of Cauca, Colombia (Short Paper)</i>
16:45–17:15	Information Supply Mechanisms in Ubiquitous Computing, Crisis Management and Workflow Modelling. <i>Jurriaan van Diggelen, Robbert-Jan Beun, Rogier van Eijk, and Peter J. Werkhoven. Utrecht University, the Netherlands (Long Paper)</i>
17:15–17:30	Task-based Development Methodology for Collaborative Environments. <i>Maik Wurdel, Daniel Sinnig, and Peter Forbrig. University of Rostock, Germany, and Concordia University, Canada (Short Paper)</i>
18:00–23:00	Social Event

Friday, September 26th 2008

- 09:15–10:15 **Linking Human-Centered and Software Engineering Perspectives and Practice: Activity Theory and Human Activity Modeling**
Invited Talk **Larry Constantine.**
- Session 5* **TAMODIA Demo Session**
Chair: *Steve Goschnik, University of Melbourne*
- 10:15–11:00 **User Interface Migration between Mobile Devices and Digital TV.** *Fabio Paterno, Carmen Santoro, and Antonio Scorgia. ISTI-CNR, Italy*
Demonstration of Software Components for End-User Development. *Mario Gleichmann, Thomas Hasart, Ilvio Bruder, Andreas Heuer, and Peter Forbrig. Rostock University, Germany*
Transactions in Task Models. *Daniel Reichart, and Peter Forbrig. Rostock University, Germany*
- 11:00–11:30 **Coffee break**
- Session 6* **HCSE Session on Multi-Device User Interfaces**
Chair: *Peter Forbrig, University of Rostock*
- 11:30–11:45 **Preserving Rich User Interface State in Web Applications Across Various Platforms.** *Fabio Paternò, Carmen Santoro, and Antonio Scorgia. ISTI-CNR, Italy (Short Paper)*
- 11:45–12:00 **From Desktop to Tabletop: A Migration of User Interface Design for AgilePlanner.** *Xin Wang, Yaser Ghanam, and Frank Maurer. University of Calgary, Canada (Short Paper)*
- 12:00–12:15 **Learning Key Contexts of Use in the Wild for Driving Plastic User Interfaces Engineering.** *Vincent Ganneau, Gaëlle Calvary, and Rachel Demumieux. Orange Labs, France, and Laboratoire LIG, France (Short Paper)*
- 12:15–12:45 **Task-Driven Plasticity: One Step Forward with UbiDraw.** *Jean Vanderdonckt, and Juan Manuel Gonzalez. Université catholique de Louvain, Belgium (Long Paper)*
- 12:45–13:00 **Concepts for Analysis and Design of Mobile Healthcare Applications.** *Joseph McKnight, Gavin Doherty, Bridget Kane, and Saturnino Luz. Trinity College Dublin, Ireland, and St. James's Hospital, Dublin, Ireland (Short Paper)*
- 13:00–14:30 **Lunch**

- Session 7* **HCSE Session on Support for Designing Usable Software**
Chair: *Todor Stoitsev, SAP AG*
- 14:30–15:00 **A Fluid Flow Approach to Usability Analysis of Multi-user Systems.** *Mieke Massink, Diego Latella, Maurice H. ter Beek, Michael D. Harrison, and Michele Loreti. CNR-ISTI, Italy, Newcastle University, UK, and Università di Firenze, Italy (Long Paper)*
- 15:00–15:30 **MuiCSeR: A Process Framework for Multi-Disciplinary User-Centred Software Engineering processes.** *Mieke Haesen, Karin Coninx, Jan Van den Bergh, and Kris Luyten. Hasselt University, Belgium (Long Paper)*
- 15:30–15:45 **The Ecology of Participants in Co-Evolving Socio-Technical Environments.** *Gerhard Fischer, Antonio Piccinno, Yunwen Ye. University of Colorado, USA, and Università di Bari, Italy (Short Paper)*
- 15:45–16:00 **ShaMAN: An Agent Meta-Model for Computer Games.** *Steve Goschnick, Sandrine Balbo, and Liz Sonenberg. University of Melbourne, Australia (Short Paper)*
- 16:00–16:30 **Coffee Break**
- Session 8* **HCSE Session on User Interface Design**
Chair: *Carmen Santoro, CNR-ISTI*
- 16:30–16:45 **The Guilet Dialog Model and Dialog Core for Graphical User Interfaces.** *Jürgen Rückert, Barbara Paech. University of Heidelberg, Germany (Short Paper)*
- 16:45–17:00 **An Ontology-based Adaptation Framework for Multimodal Interactive Systems.** *Matthias Bezold. University of Ulm, Germany, and Elektrobit Automotive GmbH, Germany (Short Paper)*
- 17:00–17:15 **Involving End Users in Distributed Requirements Engineering.** *Steffen Lohmann, Jürgen Ziegler, and Philipp Heim. University of Duisburg-Essen, Germany (Short Paper)*
- 17:15–17:30 **A Study on Appropriate Plant Diagram Synthesis for User-Suited HMI in Operating Control.** *Mieczyslaw Metzger, Grzegorz Polaków. Silesian University of Technology, Poland (Short Paper)*
- 17:30–17:45 **Some Thoughts about the Horizontal Development of Software Engineers.** *Anke Dittmar, and Peter Forbrig. Rostock University, Germany (Short Paper)*
- 17:45–18:00 **End of the Conference**

Supporting Institutions and Sponsors

[IFIP WG 13.2](#)



ISTI-CNR, [HIIS Lab](#), Pisa, Italy

