

First International Workshop on Pattern-Driven Engineering of Interactive Computer Systems (PEICS)

<http://www.zmml.de/PEICS2010>

Organized at

2nd ACM SIGCHI Symposium on Engineering Interactive Computing Systems (EICS 2010)

Sunday, June 20th, 2010

Berlin, Germany

Theme

Since almost over one decade, patterns have been gaining a lot of interest in the domain of Human-Computer-Interaction (HCI) engineering. It is generally agreed upon that patterns can be used to facilitate the exchange of best practices and knowledge between the interdisciplinary team members, involved in interactive systems design process. Despite intense research activities in the last years, HCI patterns still lack in a standardized description and organization. This makes it difficult for the developers to identify the relevant patterns for solving a problem as well as to apply them accordingly to the problem context.

To fully benefit from HCI patterns within the engineering of interactive computer systems they have to be prepared for integration into a model-based user interface development process. Instead of guiding and advising the UI developers of which solution should be applied, HCI patterns should enable the easy reuse of already designed model or code fragments. To enable the integration of HCI patterns in the model-based development process the informal textual, or graphical notation of HCI patterns has to be overcome. HCI patterns have to support the formal description of their solution-part, which allows the direct integration of the solution-parts into the different models, like task-, dialog- and presentation-model.

Topics of Interest

We solicit papers addressing one or more of these issues:

- Development of HCI patterns
- Languages for the definition of HCI patterns
- Pattern representation: UML, XML, USiXML, mathematical formalization etc.
- Tools supporting the development of HCI patterns
- Pattern-oriented design and engineering
- The combination of models and HCI patterns in a model-driven development process
- Patterns in practices (project experience): Web services, mobile applications, etc.

Organization (* main contact)

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- Peter Forbrig, University of Rostock, Germany
- Kerstin Kloeckner, Fraunhofer IESE, Germany
- Gerrit Meixner, DFKI, Germany
- Ahmed Seffah, University of Lausanne, Switzerland
- Marc Seissler, University of Kaiserslautern, Germany

Submissions

Papers must not exceed 4 pages in SIGCHI Conference Proceedings Format and address one or more of the above topics. Submissions with in-depth discussion of one topic are preferred above submissions with a broader topic. Usage of an illustrative example is encouraged. Both academic position papers and industrial experience papers are solicited. All submitted papers will be reviewed by members of the program committee. All accepted papers will be published electronically as CEUR proceedings.

Important Dates

Paper submission	March 19, 2010
Notification of acceptance	March 29, 2010
Final paper	April 10, 2010
Distribution of final papers	May 3, 2010
Workshop day	June 20, 2010

Workshop Format

The workshop takes one full day during the EICS 2010 conference. The workshop will consist of short presentations by all workshop participants followed by in-depth group discussions on selected topics. The results of this group work will be presented and discussed in a closing plenary session.

Program Committee

- Russell Beale, University of Birmingham, UK
- Jan Borchers, RWTH Aachen, Germany
- Kai Breiner, University of Kaiserslautern, Germany
- Peter Forbrig, University of Rostock, Germany
- Kerstin Kloeckner, Fraunhofer IESE, Germany
- Christian Kruschitz, University of Klagenfurt, Austria
- Gerrit Meixner, German Research Center for Artificial Intelligence (DFKI), Germany
- Kizito Mukasa, Fraunhofer IESE, Germany
- Roland Petrasch, Beuth Hochschule für Technik Berlin, Germany
- Ulf Schubert, DATEV eG, Germany
- Ahmed Seffah, University of Lausanne, Switzerland
- Marc Seissler, University of Kaiserslautern, Germany
- Daniel Sinnig, Concordia University, Canada
- Gerrit Van der Veer, Open University Netherlands, the Netherlands