Preface

In the history of software development, the abstraction level on which software is described has been increasing all the time. The latest trend is to specify software using (platform-independent) models, which are then gradually and (semi-) automatically transformed into executable applications for different platforms and target devices. The goal of the 5th Workshop on Model-Driven Development of Advanced User Interfaces (MDDAUI 2010) is to discuss the use of (semi-) formal models in user interface development. What is the right way of creative design and interaction design working with user interface models? Can models help in coping with innovative interaction techniques?

The workshop is a platform for discussing the modelling of advanced user interfaces, such as interfaces supporting complex interactions, visualizations, multimedia representations, multimodality, adaptability or customization. It is intended to contribute to a better integration of knowledge from the Human-Computer Interaction community and the Software Engineering community. We are striving for development methods which support the model-driven development of user interfaces with great user experience and optimal usability. Which kinds of models are required to achieve this goal? How can different kinds of models be flexibly combined? How can individual and informal design skills be integrated into the process? Can (and shall) we integrate the tools designers are accustomed to use nowadays? Is it possible to do user-centred design based on models?

The MDDAUI program committee has selected 13 high-quality papers from the submitted contributions in a selective peer review process. These papers present novel, innovative, and exciting work in this dynamic area of research and development. They are intended to present the current state of the art, fuel discussions at the workshop, and possibly raise new research directions.

We produced and included a workshop report in these proceedings that summarizes the vivid discussions at the workshop. We also included the workshop poster that was presented at the CHI 2010 conference.

We thank all workshop participants for their valuable contributions to an interesting MDDAUI workshop at CHI 2010. We are looking forward to the next edition of our workshop series.

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