8th International Workshop on Model-Driven and Agile Engineering for the Web (MDWE 2012)

The 8th International Workshop on Model-Driven and Agile Engineering for the Web (MDWE 2012) continued with the successful series of the Model-Driven Web Engineering workshops that have been held jointly with ICWE conferences since 2005, with exception of MDWE 2008 that was held jointly with MoDELS 2008 in Toulouse.

MDWE promotes a more systematic development of Web applications, i.e., focusing on methods, techniques, and tools that support the development process. This year we invited submissions of original high-quality papers on both model-driven and agile approaches covering different steps of the software development life cycle.

In response to the call for papers, a total of nine submissions were received. Each submitted paper was anonymously peer reviewed by at least three referees, and six papers were finally accepted for presentation at the workshop and publication in the proceedings. The workshop was the occasion for very lively discussions following the presentations, covering current and critical topics in the model-driven Web engineering domain. Some glimpses of the discussion are available online on the Instant Community website that was set up as support to the workshop.[1] The community site contains all the presentations, papers, and issues that were raised during the discussion.

The workshop also included a keynote talk by Arne Berre, from SINTEF, Norway, entitled "An Agile Model-Based Framework for Service Innovation for the Future Internet." The selected papers address, among others, the improvement of the model-driven approaches introducing new concerns such as non-functional requirements for cloud computing applications, social network elements, and an ontology perspective. The focus of other contributions are the improvement of MDWE processes with software engineering techniques such as test-driven modeling, aspect-orientation, and reverse engineering for converting a traditional Web into a RIA. Further information about the presented papers and all the information relevant to the workshop is available on the website of the event: http://mdwe2012.pst.ifi.lmu.de/.

The most important contribution of MDWE is the open discussion space that provides for solid theory work with practical on-the-field experience in model-driven approaches. In these proceedings you can find the papers that reflect this spirit, and how different approaches respond to the new challenges in the

[1] `http://ic.kspaces.net/#!event/10749`

development of Web applications. We hope you find these papers useful reading material for your research in model-driven software engineering.

We would like to thank the ICWE 2012 organization team for giving us the opportunity to organize this workshop, especially to the Workshop Chairs, Manuel Wimmer and Michael Grossniklaus, who were always very helpful and supportive. Many thanks to all those who submitted papers, and particularly to the presenters of the accepted papers and to Arne Berre for his interesting keynote talk. Our thanks go to the reviewers and the members of the Program Committee, too, for their timely and accurate reviews and for their help in choosing and suggestions for improving the selected papers.

August 2012 The Organizers

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4th International Workshop on Lightweight Integration on the Web (ComposableWeb 2012)

ComposableWeb focuses on research, practical experiences, and novel ideas in the context of component-based development of Web applications, lightweight composition on the Web, and Web mashups. The goal of the workshop is to provide a discussion forum for researchers and practitioners working in these areas and to jointly advance the state of the art. The workshop typically attracts enthusiastic people that like to play with novel technologies and that try to make application development accessible also to less-skilled developers or—as envisioned by many—even to end-users.

ComposableWeb 2012, the fourth edition of the workshop, was again held in conjunction with the International Conference on Web Engineering (ICWE), which it complements with a more experimental and technology-centric focus.

The scientific program of this year's edition of the workshop consisted of six papers and one keynote. All submissions went through a rigorous review process by our Program Committee, and only submissions with positive feedback were selected for publication. Among the accepted papers, the reader will find a model-driven approach to data mashups, an extension of the W3C widget model for inter-widget communication, an approach for the development of cooperative mobile mashups, a natural language-based development paradigm for mashups, a visualization technique for RSS feeds, and work on how to extract API models from API documentations. The keynote was held by Oscar Díaz from the University of the Basque Country in Spain and concentrated on Web augmentation, the practice of enhancing existing Web applications with new features and functionalities inside the client browser.

ComposableWeb 2012 was a full-day workshop. It started with a short intro by the organizers, followed by the keynote by Oscar Díaz. The second and third sessions of the workshop were dedicated to the presentation and discussion of the selected papers. Thanks to the lively participation of the audience (40–50 people), the last session turned into an interesting debate of the topics related to the presented papers as well as of some considerations regarding the scientific approach and rigor that characterizes the specific area of mashups and that of Web engineering in general. The main outcome of this discussion is the identification of the need for rigorous validation and evaluation of proposals, and, related, the comparison of approaches and results. This comparison may come in different forms, such as the implementation of a common reference scenario by different authors (as known from the various scientific 'challenges' competitions) or the availability of benchmark data for specific application areas (as know from