Model-Driven Web Engineering (MDWE 2009)

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Foreword

Web Engineering is a specific domain in which Model-Driven Software Development (MDSD) can be successfully applied. Existing model-based Web engineering approaches already provide excellent methods and tools for the design and development of most kinds of Web applications. They address different concerns using separate models (navigation, presentation, workflows, etc.) and come with model compilers that produce most of the application's Web pages and logic based on these models. However, most of these Web Engineering proposals do not fully exploit all the potential benefits of MDSD, such as complete platform independence, metamodeling, and model transformations.

The Model-Driven Architecure (MDA) initiative has introduced a new approach for organizing the design of an application into different models so portability, interoperability, and reusability can be obtained through architectural separation of concerns. MDA covers a wide spectrum of topics and issues (MOF-based metamodels, UML profiles, model transformations, modeling languages and tools, etc.). In another field, Software Factories provide concepts and resources for the model-based design of complex applications. At the same time, we see a trend towards the incorporation of emerging technologies like the Semantic Web and Linked Data, which aim at fostering application interoperability, especially with the advent of the Web 2.0 and its related technologies and richer applications. However, the effective integration of all these new techniques with the already existing model-based Web Engineering approaches is still unresolved.

This workshop builds on the success of the preceding 2005, 2006, 2007 and 2008 MDWE Workshops (held, respectively, in Sydney jointly with ICWE 2005, in Menlo Park jointly with ICWE 2006, in Como jointly with ICWE 2007, and in Toulouse jointly with MoDELS 2008). This year it is held in conjunction with the ICWE 2009 conference in San Sebastián, Spain.

The MDWE workshop aims at providing a discussion forum where researchers and practitioners on model-based and model-driven development of Web applications can meet, disseminate and exchange ideas and problems, identify some of the key issues related to these topics, and explore together possible solutions and future work. Ac-

cordingly, we invited submissions from both academia and industry about the wide list of topics of interest stated in the Call for Papers.

In addition to the Workshop Organizers (Nora Koch, Geert-Jan Houben, Gustavo Rossi and Antonio Vallecillo), a selected Program Committee was set up to help reviewing and selecting the papers to be presented at the workshop. Members of the MDWE2009 Program Committee were Luciano Baresi, Olga De Troyer, Damiano Distante, Schahram Dustdar, María José Escalona, Piero Fraternali, Martin Gaedke, Heinrich Hussmann, Alexander Knapp, David Lowe, Esperanza Marcos, Santiago Meliá, Pierre-Alain Muller, Birgit Proell, Vicente Pelechano, Alfonso Pierantonio, Fernando Sánchez, Eelco Visser and Marco Winckler.

In response to the call for papers, a total of eight submissions were received. Each submitted paper was formally peer reviewed by at least three referees, and five papers were finally accepted for presentation at the workshop and publication in the proceedings. Of special interest are the discussions following the presentations on actual topics in the model-driven web engineering domain.

The workshop also includes a keynote talk by Alfonso Pierantonio, from the University of L'Aquila, entitled "Evolution in the large and in the small in Model-Driven Web development."

Further information about the presented papers, together with the Call for Papers, and all the information relevant to the workshop, is available from the web site of the event, at http://mdwe2009.pst.ifi.lmu.de/. This web site also contains the latest information about the activities performed during the workshop.

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San Sebastián, Spain, June 2009
Nora Koch, Geert-Jan Houben, Gustavo Rossi and Antonio Vallecillo
MDWE 2009 Organizers

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