

Model-Driven Web Engineering (MDWE 2008)

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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.

Recently, the 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 camp, 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 (Semantic) Web Rule Languages, 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 and 2007 MDWE Workshops (held, respectively, in Sydney jointly with ICWE 2005, in Menlo Park jointly with ICWE 2006, and in Como jointly with ICWE 2007). This year it was held in conjunction with the MoDELS 2008 conference. The MDWE workshop aims at providing a discussion forum where researchers and practitioners on these topics can meet, disseminate and exchange ideas and problems, identify some of the key issues related to the model-based and model-driven development of Web applications, and explore together possible solutions and future work. Accordingly, 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 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 MDWE2008 Program Committee were Olivier Barais, Luciano Baresi, Jean Bézivin, Sara Comai, Olga De Troyer, Damiano Distante, Piero Fraternali, Martin Gaedke, Athula Ginige, Gerti Kappel, Alexander Knapp, Vinay Kulkarni, David Lowe, Esperanza Marcos, Santiago Meliá, Pierre-Alain Muller, Alfonso Pierantonio, Vicente Pelechano, Gustavo Rossi, Fernando Sánchez, James Steel and Marco Winkler.

In response to the call for papers, a total of 15 submissions were received. Each submitted paper was formally peer reviewed by at least three referees, and eight papers were finally accepted for presentation at the Workshop and publication in the proceedings.

Further information about the presented papers, together with the Call for Papers, and all the information relevant to the workshop, is available at the web site of the event, whose URL is http://mdwe2008.pst_ifi.lmu.de/. This web site also contains the latest information about the activities performed during the workshop.

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MDWE 2008 Organizers