

Call for Papers

5th Model-Driven Web Engineering (MDWE'2009)

<http://mdwe2009.pst.ifi.lmu.de>

Workshop at ICWE 2009

Web Engineering is a specific domain in which Model-Driven Software Development (MDS) 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 MDS, 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, modelling 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 (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.

The main goal of the workshop is to provide a discussion forum where researchers and practitioners on 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 works.

WORKSHOP TOPICS

Both academia and industry are invited to submit papers about any of the following topics of interest:

- Model Driven Architecture (MDA) in the context of Web application development
- Other model-driven approaches (e.g., Software Factories) for the development of Web systems
- Advantages of the use of MDA and Software Factories in the Web domain
- Potential problems or limitations of MDS in the Web Engineering domain
- Metamodels for model-driven approaches used for Web application development
- Domain specific modelling languages for Web Engineering
- UML profiles for Web applications
- Patterns in the design and implementation of Web applications
- Web systems software architecture modelling in MDS approaches
- Model-driven code generation for Web applications
- Model-to-model and model-to-code transformations for Web application development
- Model transformation languages
- Interoperability models for Web applications and resources (Web pages, Web services, portlets, distributed components, etc.)
- Tools and frameworks for supporting model-driven Web development
- Model-driven quality analysis of Web applications
- Maintenance, evolution and management of model-driven generated Web systems
- Model-driven approaches to design distributions aspects in Web systems
- Use of Semantic Web-based approaches in model-driven Web design
- Metamodels and model transformations for the development of Semantic Web applications
- Empirical studies of modeling Web systems and model-driven Web engineering
- Industrial experience on model-driven Web development

SUBMISSION FORMAT AND PROCEDURE

Submissions should be not more than 15 pages long in LNCS format. They have to include the authors' name, affiliation and contact details. Submissions are due on April 8, 2009. Submission details can be found at the workshop website.

Authors will be notified of acceptance by May 8 and camera-ready versions of the workshop papers are due on June 1, 2009. At least one author of accepted papers should register for the conference and participate in the workshop.

The workshop proceedings will be made available online to the participants at least one week before the workshop. Similarly to previous editions of the MDWE workshop we will publish the proceedings in CEUR (free online publications with ISSN). In the tradition of the workshop, a journal publication of a selection of the best papers is planned.

IMPORTANT DATES

Paper submission April 8, 2009

Notification of acceptance May 8, 2009

Camera-ready version due June 1, 2009

Workshop date will be published soon, workshop will take place at ICWE 2009 (June 22 to 26)

WORKSHOP ORGANIZERS

- Nora Koch, Ludwig-Maximilian Universität München and Cirquent GmbH, Germany
- Antonio Vallecillo, University of Málaga, Spain
- Geert-Jan Houben, Technische Universiteit Delft, the Netherlands
- Gustavo Rossi, Universidad Nacional de La Plata, Argentina

PROGRAM COMMITTEE

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