



Springer

Software and Systems Modeling



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Call for Papers *Theme Issue:* Model-Driven Web Engineering

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Web Engineering is a specific domain in which Model-Driven Engineering (MDE) 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 MDE, such as complete platform independence, meta-modeling, and model transformations. Furthermore, new MDE approaches propose viewpoint modeling techniques so portability, interoperability, and reusability can be obtained through architectural separation of concerns. These aspects can be of paramount importance to current Web Engineering practices.

In addition, there is an increasing trend towards the incorporation of emerging technologies like the Semantic Web and (Semantic) Web Rule Languages, which aim at

fostering application interoperability, especially within the scope 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.

Accordingly, the Journal of Software and Systems Modeling (SoSyM) invites original, high-quality submissions for its theme issue on “Model-Driven Web Engineering” to appear in late 2010. The aim of this theme issue is to provide a resource that describes the state-of-the-art in Model-Driven Web Engineering (MDWE) and to outline a roadmap that addresses the key challenges in this area. We welcome papers focusing on topics related to MDWE, including:

- Model Driven Engineering in the context of Web application development
- Advantages of the use of MDE in the Web domain. Potential problems or limitations of MDE in the Web Engineering domain
- Meta-models for model-driven approaches used for Web application development, Domain specific modeling languages for Web Engineering
- UML profiles for Web applications.
- Patterns in the design and implementation of Web applications
- Web systems software architecture modeling in MDE 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, gadgets, meta-models, 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
- Meta-models and model transformations for the development and interoperability of Semantic Web applications
- Empirical studies of modeling Web systems and model-driven Web engineering
- Industrial experience on model-driven Web development

Important Dates

Firm intent to submit:	01 Oct 09
Paper submission:	20 Nov 09
Notification to authors:	20 Jan 10
Special issue due:	Late 2010

General Author Information

- Papers must be written in a scientifically rigorous manner with adequate references to related work.
- Submitted papers must not be simultaneously submitted in an extended form or in a shortened form to other journals or conferences. It is however possible to submit extended versions of previously published work if less than 75% of the content already appeared in a non-journal publication, or less than 40% in a journal publication. Please see the [SoSyM Policy Statement on Plagiarism](#) for further conditions.
- Submitted papers do not need to adhere to a particular format or page limit, but should be prepared using font “Times New Roman” with a font size no smaller than 11 pt, and

with 1.5 line spacing. Please consult the [SoSyM author information for submitting papers](#).

- Each paper will be reviewed by at least three reviewers
- Communicate your intent to submit a paper by emailing the theme issue editors the following information before the Intent to Submit deadline: Title, Authors, and an Abstract.
- Prepare your submission with either Word or LaTeX using [Word and LaTeX templates](#). Possible submission formats are:
 - Word (.doc, without macros)
 - Rich Text Format (.rtf)
 - PostScript (.ps, special fonts must be embedded)
 - PDF (saved as readable in version 5.0 or later)
- Submit your work using the online submission system [manuscript central](#):
 - In step 1, select “Special Section Paper” as the manuscript type and select “Dr. Bernhard Rumpe” as the “Editor-in-Chief” (EIC).
 - In step 4, add “Geert-Jan Houben” (+ g.j.p.m.houben@tudelft.nl) or “Nora Koch” (+ kochn@pst.ifi.lmu.de) or “Gustavo Rossi” (+ gustavo@lifa.info.unlp.edu.ar) or “Antonio Vallecillo” (+ av@lcc.uma.es) as an editor and choose “Designate as Preferred Editor”.
 - In step 5, make sure field “Cover Letter” includes the line: “Submission for Theme Issue on MDWE”