

# MoDSE 2008 > 2nd Workshop on Model-Driven Software Evolution



## The 12th European Conference on Software Maintenance and Reengineering Athens (Greece) April 1-4, 2008

- [Description](#)
- [Topics](#)
- [Submission](#)
- [Important Dates](#)
- [Committees](#)
- [Contact](#)
- [Registration & Venue](#)

**Abstract due**  
**February 20, 2008**

**Paper due**  
**February 25, 2008**

## Description

Software evolution represents and becomes a crucial research area. It is the scope of several academic and industrial research works. One explored way is model driven approach. Last year, the [MoDSE07 workshop](#) was dedicated to explore how can model-driven engineering (MDE) enforce and enhance software evolution. Papers and presentations were about or against the use of MDE to manage and direct software evolution through innovative proposals, leading to an interesting debate and opening several research and applications ideas.

The second edition of MoDSE represents a continuation of the first edition. The objective is to present how model-driven evolution can enforce and reduce critical risks and important costs involved in software evolution, by employing high-level

abstractions. We aim to present current research works about model-driven evolution and to exchange, discuss and debate about gained experiences, challenges, needs, proposed approaches and innovative solutions around the Model-Driven Software Evolution. It is important to bring together the MDE and Software Evolution communities in order to discuss whether and how research and experience can be exchanged between them.

The workshop will be held on **Tuesday April 1 2008**. This halfday workshop will include Keynote(s), presentation sessions, a moderated panel session and open discussions on relevant model driven evolution topics.

## Topics

Papers from academia and industry are solicited about important problems, techniques and results related to research and practice within the model-driven software evolution domain. The main topics of this workshop are, but not limited to:

- Specification of models, metamodels and languages for specifying and abstracting software evolution
- Model driven evolution at several levels (meta, architecture, application and platform)
- Model driven evolution automation: support and tools
- Transformation of models for software evolution: restructuring and refactoring, migration, translation...
- Dynamic and static evolutions
- Evolution tasks: theory and practice
- Evolution and co-evolution of models
- Verification, validation and testing of evolving models
- Application domains (embedded systems, legacy systems, web services...)
- Conformance, consistency maintenance, inconsistency management, compliance checking, synchronization of evolving models
- Managerial aspects and process models for software evolution
- Industrial needs and experiences

## Submission Guidelines

Papers should represent original and previously unpublished ideas. Both basic and applied research papers are solicited. Papers describing novel applications and making significant research contributions are also of interest.

Submissions should follow IEEE's [two column format](#) and be up to 10 pages. Papers should be submitted to the workshop Chairs using our two-phase (i.e, abstract+paper) [electronic submission system](#).

Authors will be notified of acceptance by March 1, 2008. At least one author of accepted papers should register and participate in the workshop.

## Important Dates

- Abstract submission: February 20, 2008
- Paper submission: February 25, 2008
- Notifications of acceptance: March 8, 2008
- Camera ready submission: March 20, 2008

## Committees

### Chair

Dalila Tamzalit, *University of Nantes, France*

### Program Committee

Jean Bézivin, *University of Nantes, France*

Jean-Marie Favre, *IMAG, France*

David Garlan, *School of Computer Science at Carnegie Mellon University, USA*

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### Organizing workshop co-chairs committee

Chris Verhoef, *University of Amsterdam, The Netherlands*

Dennis Smith, *Software Engineering Institute, USA*

### Webmaster

Olivier Le Goer, *University of Nantes, France*

## Contact Information

All inquires about the workshop program should be sent to the workshop chair:

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## Registration

Soon...

## Venue

Please refer to [the information available on the CSMR website](#)

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