

# Educators Symposium @ MODELS 2012

Satellite Event at ACM/IEEE 15<sup>th</sup> International Conference on Model Driven Engineering Languages and Systems



<http://edusymp2012.irisa.fr/>

## Call for Submission

### GOAL

The principles, practices and tools of modeling have evolved tremendously over the last few years as model-driven development has taken up a pivotal role in modern software development processes and the use of models has spread far beyond the bounds of software engineering. Not only are models applied at multiple levels of abstraction (from regular type models, to metamodels and meta-metamodels), and are used to capture many different types of information, they are represented in a wide variety of languages ranging from general purpose languages such as the UML to domain specific languages customized for specific purposes. Model-Driven Engineering also involves the use of many supporting textual languages such as constraint definition languages, transformation languages and rule definition languages.

Although most computer science curricula include some education in modeling technologies and therefore provide the basic building blocks for modeling, metamodeling, and model transformation, the whole spectrum of modeling in software engineering is rarely captured. Moreover, the effective teaching of modeling principles presents challenges that are not present at the programming level. For example:

- modeling languages are still rapidly evolving,
- experience acquired in programming cannot be compared with that needed to model effectively,
- the functionality of contemporary modeling tools does not match that of mature programming environments.

### SCOPE

The Educators' Symposium at MODELS addresses the challenges, techniques and best practices involved in teaching modeling technologies to software engineers at universities and software industries. Papers on all topics related to the teaching of modeling are of interest to the symposium, including:

- approaches used to integrate modeling into software engineering curricula in academia,
- approaches used to train practitioners on using modeling techniques in industry,
- studies that assess the approaches used to integrate MDD into existing software engineering curricula,
- comparative studies of the tools (e.g., Rational Rose, Eclipse UML2, StarUML, Altova Umodel) used to support modeling in academia,
- the impact modeling has on students' ability to think abstractly,

- industry's assessment of the MDD training done in academia,
- experiences in teaching defining and applying domain specific languages,
- experiences in teaching metamodeling approaches and tools.

The symposium is also interested in papers describing experience with:

- introducing modeling early in the CS curriculum,
- evaluating the effectiveness of teaching modeling techniques,
- using Case Studies that support teaching modeling techniques,
- using good modeling practices in teaching modeling techniques,
- integrating modeling and MDD into the software engineering curriculum (how do they fit).

### ACTIVITIES

The symposium will consist of a keynote, paper presentations, and a panel discussion. We expect the short paper presentations to be ongoing research where interested symposium participants may get involved in the research activities.

### TYPES OF CONTRIBUTIONS

- **Full Papers**, not exceeding 10 pages in ACM format contribute research papers and experience reports in line with the topics of the 8th Educators' Symposium @ MODELS 2012. They present contributions in the field of MDD education or the use of models in software engineering education and training.

- **Short Papers**, not exceeding 4 pages in ACM format, present position statements on modeling education and experiences, addressing the symposiums topics. These papers intend to stimulate discussions on teaching modeling at universities and in industries.

In order to facilitate a comprehensive and open minded online decision on paper acceptance, all papers and reviews are accessible to all PC members (except those reporting a conflict of interest). All papers will be reviewed by at least three members of the program committee.

The paper selection process will be based on the novelty of the ideas or solutions, the impact of modeling during software development education, and relevance to the topics for the symposium.

### PUBLICATION

All papers of the 8th Educators' Symposium @ MODELS 2012 will be published in a post-conference edition of the ACM Digital Library. Details about the required format and publication process can be found at: <http://www.acm.org/sigs/publications/proceedings-templates>.

At least one author for each accepted paper should register for the symposium at the conference and present the paper.

### SUBMISSION

All papers have to be submitted electronically in pdf format via EasyChair: <https://www.easy-chair.org/conferences/?conf=edusymp2012>

### IMPORTANT DATES

- Submission deadline: July 26th
- Notification of acceptance: September 17th
- Camera Ready version: November 5th

### SYMPOSIUM CHAIRS

Benoît Combemale, France  
Dan Chiorean, Romania

### PROGRAM COMMITTEE

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