



# 16<sup>th</sup> International MODELS Conference: Model Driven Engineering Languages and Systems

September 29<sup>th</sup> – October 4<sup>th</sup> 2013 Miami, Florida USA



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## MODELS 2013 Invitation

MODELS 2013 will continue the MODELS history in providing the top forum for researchers and practitioners to meet and share experiences in software and systems modeling. Traditional events (e.g., Foundations/Applications track papers, Workshops, Tutorials, and Panels) will represent key venues for disseminating novel ideas in modeling research. For the 2013 conference, Demonstrations and Poster sessions will be formalized, along with the first year of the ACM Student Research Competition at MODELS!

In 2013, MODELS will take place in the midst of Miami's most popular beach area. As the 5<sup>th</sup> largest urban city in the USA, Miami is a major hub for culture, entertainment, arts, and fashion (e.g., the famous "South Beach" area). Miami has recently been named one of the USA's cleanest cities and most walkable cities. With over 14 universities and colleges in the area, Miami also is a recognized center for education and research. We invite you to join us at this international conference and to help shape the modelling methods and technologies of the future!

## Keynote Speakers:

**Charles Simonyi**, Intentional Software  
*The Magic of Software*

**Constance Heitmeyer**, Naval Research Laboratory  
*MBSD: A Panacea or Academic Poppycock?*

**Bernd Brügge**, Technische Universität München  
*Creativity vs. Rigor: Informal Modeling is OK*

**For more details, please see:**

<http://modelsconference.org/>

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With its 16<sup>th</sup> anniversary, this year's MODELS research community is challenged to demonstrate the maturity and effectiveness of model-driven engineering in established application domains like business information or embedded systems, as well as explore its limits, by investigating new applications areas and combinations with other emerging technologies, such as cyber-physical systems, semantic web, and cloud computing. To provide a broader forum for reporting on scientific progress, as well as experiences and issues stemming from practical application of model-based methods, the conference has multiple events, such as the Educators and Doctoral symposiums, posters, ACM Student Research Competition posters, and demonstrations.

## Call for Workshop Participation

The following are the workshops that will be offered at MODELS 2013:

- *Model-Driven Engineering, Verification and Validation Integrating Verification and Validation in MDE*
- *Model Based Architecting and Construction of Embedded Systems*
- *Extreme Modelling*
- *Models @run.time*
- *OCL, Model Constraint and Query Languages*
- *Fourth International Workshop on Comparing Modeling Approaches*
- *Models and Evolution*
- *Multi-Paradigm Modeling*
- *Experiences and Empirical Studies in Software Modelling*
- *TowArds the Model Driven Organization*
- *Model Driven Engineering By Example*
- *Modeling Outside the Box*
- *Globalization of Modeling Languages*
- *Model-Driven Engineering for High Performance and Cloud computing*
- *Non-functional System Properties in Modeling – Analysis, Languages, and Processes*
- *Analysis of Model Transformation*
- *Semantic Information Modeling for Federation*
- *Domain-Specific Languages for Financial Systems*

## Tutorials

The following tutorials will be presented at MODELS 2013:

- *Implementing a DSL with the Intentional Domain Workbench* (Shane Clifford and Mats Helander)
- *DSL Engineering* (Markus Voelter)
- *The Theory and Practice of Modeling Language Design* (Bran Selic)
- *Applying Model Driven Engineering Technologies in the Creation of Domain-Specific Modeling Languages* (Bruce Trask and Angel Roman)
- *Empirical Research in Model Based Software Engineering* (Michel Chaudron, Marcela Genero, Silvia Abrahao, Jon Whittle, and Lars Pareto)
- *Model Finding and Its Applications* (Lionel Briand, Mathias Soeken, and Zohaib Iqbal)
- *Feature Model Management: Smart Operations and Language Support* (Philippe Collet)
- *Modeling Software Structures with GrammarLab* (Vadim Zaytsev)
- *UML Testing Profile – A Language for Model-based Testing* (Marc-Florian Wendland, and Ina Schieferdecker)
- *Understanding Complex Changes and Improving the Quality of UML and Domain-Specific Models* (Thorsten Arendt, Timo Kehrer, and Gabriele Taentzer)