

# ACM/IEEE 17<sup>th</sup> International Conference on Model Driven Engineering Languages and Systems

September 28<sup>th</sup> – October 3<sup>rd</sup> 2014

Valencia, Spain

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## Call for Participation

MODELS is the premier conference series for model-based software and systems engineering which since 1998 has been covering all aspects of modeling, from languages and methods to tools and applications. In 2014, MODELS will take place in Valencia, which is one of the most cosmopolitan and open cities in Europe, widely known for its superb weather, food and hospitality.

Valencia is Spain's third largest metropolitan area with facilities to accommodate visitors attracted to the city from countries all over the world each year. Valencia offers a rich cultural heritage of music, art, gastronomy, architecture and folklore. The conference offers a strong technical program with broad appeal to researchers, industrial practitioners, students, and educators in the field of model driven engineering. We invite you to join us in Valencia and to help shape the modeling methods and technologies of the future!

### Keynote speakers:

- **José Meseguer**, U. Illinois at Urbana-Champaign, USA  
*Why Formal Modeling Language Semantics Matters*
- **Nuria Oliver**, Telefonica Research, Spain  
*Towards Data-driven Models of Human Behavior*

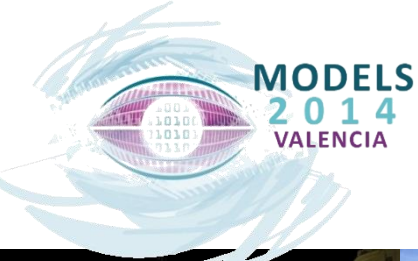
### Invited speakers at MODELS workshops:

- **Francis Bordeleau**, Ericsson; **Gabor Karsai**, Vanderbilt University; **Peter Feiler**, SEI-CMU; **Markus Völter**, independent/itemis; **Dániel Varró**, Budapest BME; **Ivica Crnkovic**, Mälardalen University; **Gerti Kappel**, TU Wien; **Benoit Baudry**, INRIA; **Steffen Zschaler**, King's College London; **César González Pérez**, CSIC; **Bernhard Schaetz**, Fortiss; **Ronan Barrett**, Ericsson; **Tom Ritter**, Fraunhofer FOKUS; **Akos Ledecz**, Vanderbilt University; **Sebastien Gerard**, CEA-List; **Gael Blondelle**, Eclipse Foundation.

## Social Events

- Welcome reception at the Patriarca Palace
- Banquet at the Ciudad de las Ciencias (Palau Reina Sofia)
- Tour in Old Town Valencia





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Modeling is fundamental to all scientific and engineering endeavors and the MODELS conference series has been making its use for software and systems engineering the center of its attention since 1998. While significant advances have been made, the rapid pace of change in the way software is built and used makes it challenging to identify fundamental and enduring concepts and principles. MODELS'14 challenges the research community to **promote the magic of modeling** by solidifying and extending the foundations and successful applications of modeling in established areas such as business information and embedded systems. Moreover, MODELS'14 is particularly interested in the use of modeling for new and emerging systems, paradigms, and challenges including cyber-physical systems, cloud computing, services, social media, security, and open source. 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 several events such as Workshops, Educators and Doctoral symposiums, Poster sessions, Demonstrations, and the second edition of the ACM Student Research Competition.

## Workshops

The following workshops will be held during MODELS 2014:

- *2nd Workshop On the Globalization of Modeling Languages (GEMOC 2014)*
- *Combining Modelling with Search- and Example-Based Approaches (CMSEBA 2014)*
- *1st International Workshop on Multi-Level Modeling (MULTI 2014)*
- *Open Source Software for Model Driven Engineering (OSS4MDE 2014)*
- *Model-Driven Development Processes and Practices (MD2P2 2014)*
- *International Workshop on Models and Evolution (ME 2014)*
- *TowArds the Model Driven Organization (AMINO 2014)*
- *Architecture-Centric Virtual Integration with AADL (ACVI 2014)*
- *1st International Workshop on Model-Driven Engineering for Component-Based Software Systems (ModComp 2014)*
- *Extreme Modelling (XM 2014)*
- *Analysis of Model Transformations (AMT 2014)*
- *Model Based Architecting and Construction of Embedded Systems (ACESMB 2014)*
- *Workshop on OCL and Textual Modeling: Applications and Case Studies (OCL 2014)*
- *2nd Int. Workshop on Model-Driven Engineering on and for the Cloud (CloudMDE 2014)*
- *9th International Workshop on Models @run.time (MRT 2014)*
- *Model-Driven Engineering, Verification and Validation Integrating Verification and Validation in MDE (MoDeVVa14)*
- *Workshop on Multi-Paradigm Modeling (MPM 2014)*

## Tutorials

The following tutorials will be presented at MODELS 2014:

- *AADLv2, a Domain Specific Language for the Modeling, the Analysis and the Generation of Real-Time Embedded Systems (F. Singhoff and J. Hugues)*
- *Language Modeling Principles (R. Laemmel)*
- *Applying Model Driven Engineering Technologies in the Creation of Domain Specific Modeling Languages (B. Trask and A. Roman)*
- *Metamodeling, Model Processing and Simulation – Putting the Puzzle Pieces Together Based on Industrial Experiences (G. Mezei, L. Lengyel, T. Mészáros and T. Vajk)*
- *How to megamodel diagrammatically: theory and practice (Z. Diskin, S. Kokaly, T. Maibaum and R. Paige)*
- *Model-Driven Requirements Engineering (J. Araújo, A. Moreira, G. Mussbacher and P. Sanchez)*
- *How to run a Multi-Customer Software Engineering Capstone Course (B. Brügge, S. Krusche and L. Alperowitz)*
- *Open Modelica (Peter Fritzon and Hans Vangeluwe)*

## For more details:

For these and other participation opportunities, please visit: <http://modelsconference.org>

## Panels

### Panel 1: Modeling Outside the Box

The panelists and audience will think about MDE from a different perspective, i.e. "outside the box".

#### Panelists:

- Francis Bordeleau, Ericsson
- Siobhan Clarke, Trinity College Dublin
- Nuria Oliver, Telefonica Research
- Friedrich Steimann, Fernuniversität Hagen

**Moderator:** Jon Whittle

### Panel 2: What Practitioners and Industry Really Want

The goal is to find a consensus about what working practitioners really need from modeling techniques, tools and research.

#### Panelists:

- Peter Feiler, SEI-CMU
- Bran Selic, Malina Corporation
- Ronan Barrett, Ericsson
- Christian Berger, University of Gothenberg
- Gaël Blondelle, Eclipse Foundation

**Moderator:** Timothy Lethbridge

