



# ACM/IEEE 12th International Conference on Model Driven Engineering Languages and Systems

Denver, Colorado, USA October 4-9, 2009



## Conference Chairs:

Robert Pettit, USA  
Sudipto Ghosh, USA

## Program Chairs:

Andy Schürr, Germany (Scientific Track)  
Bran Selic, Canada (Empirical Results Track)

## Workshop Chair:

James Bieman, USA

## Tutorial Chair:

Thomas Weigert, USA

## Doctoral Symposium Chair:

Juergen Dingel, Canada

## Educator Symposium Chairs:

Robert France, USA  
Martin Gogolla, Germany

## Panel Chair:

Øystein Haugen, Norway

## Steering Committee Chair:

Heinrich Hussmann, Germany

## Publicity Chairs:

Arnor Solberg, Norway  
Emanuel Grant, USA

## Important Dates:

Scientific and Empirical Paper Submissions:

Abstract: April 26, 2009, 23:59 (MDT)

Full Paper: May 10, 2009, 23:59 (MDT)

Workshop Proposals: March 15, 2009

Tutorial Proposals: April 19, 2009

## Scientific Track Program Committee:

Agrawal, Aditya	Karsai, Gabor
Astudilo, Hernan	Krüger, Ingolf
Batory, Don	Kuester, Jochen
Baudry, Benoit	Kühne, Thomas
Bézivin, Jean	Laemmel, Ralf
Blanc, Xavier	Lanza, Michele
Breu, Ruth	Lawley, Michaël
Briand, Lionel	Lethbridge, Timothy C.
Bruel, Jean-Michel	Møller-Pedersen, Birger
Czarniecki, Krzysztof	Moreira, Ana
de Lara, Juan	Muller, Pierre-Alain
Dietrich, Jens	Ober, Iliana
Dingel, Juergen	Paige, Richard
Egyed, Alexander	Petriu Dorina C.
Engels, Gregor	Pierantonio, Alfonso
Favre, Jean-Marie	Pons, Cláudia
France, Robert B.	Porres, Ivan
Gall, Harald	Pretschner, Alexander
Gasevic, Dragan	Reggio, Gianna
Georg, Geri	Rensink, Arend
Gérard, Sébastien	Rumpe, Bernhard
Giese, Holger	Selic, Bran
Gogolla, Martin	Śmiełek, Michał
Graf, Susanne	Stevens, Perdita
Grant, Emanuel	Tolvanen, Juha-Pekka
Gray, Jeff	Tratt, Laurence
Grundy, John	Uhl, Axel
Han, Jun	Van Gorp, Pieter
Haugen, Øystein	Varró, Dániel
Hu, Zhenjiang	Visser, Eelco
Hussmann, Heinrich	Wasowki, Andrzej
Juerjens, Jan	Whittle, Jon
Kappel, Gerti	Winter, Andreas

## The MODELS Conference Series

... is devoted to model-based development for software and systems engineering, covering all categories of modeling languages, methods, tools, and their applications. Engineering models have long been used in the development of complex systems and the approach is also becoming more prevalent in the design of modern software systems. Methodologies and tools are emerging and applied successfully in practice. They create and manipulate such models starting with the earliest phases of development through to implementation and testing.

The MODELS series of conferences (<http://www.modelsconference.org/>) is the premier venue for the exchange of innovative technical ideas and experiences relating to model-based approaches in the development of complex systems. 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 2009 conference has two distinct tracks:

- A scientific track
- An empirical results track

Papers in each track will be evaluated by separate program committees based on criteria appropriate to that track.

## Call for Papers – The Scientific Track

Over the years model-based development has gained rapidly increasing popularity across various engineering disciplines. Numerous efforts resulted in the invention of concepts, languages, and tools for the definition, analysis, transformation, and extension of domain-specific modeling languages as well as general-purpose modeling language standards. Problems in this domain span multiple disciplines and have to be addressed by collaborative research activities spanning domains such as industrial automation, business engineering, hardware/software co-design, real-time system development, Web 2.0 application design, and so forth.

A primary objective of the scientific track of MODELS is to build a forum for exchange and discussion of new research results dedicated to advancing the state-of-the-art of model-based development in general. Topics of interest include but are not limited to:

- Development of domain-specific modeling languages
- Design of general-purpose modeling languages and related standards
- Definition of the syntax and semantics of modeling languages
- Tools and meta-tools for modeling languages and model-based development
- Definition and usage of model transformation and generation approaches
- Development of systems engineering and modeling-in-the-large concepts
- Proposals of new model quality assurance techniques (analysis, testing, verification)
- Integration of modeling languages and tools (hybrid multi-modeling approaches)
- Evolution of modeling languages and models
- New modeling paradigms and formalisms

## Submission Process – Scientific Track

Long (15 pages) and short (5 pages) paper submissions *must conform* to the Springer LNCS formatting guidelines: <http://www.springer.com/computer/lncs?SGWID=0-164-7-72376-0>.

All submissions must be original, unpublished, and not submitted simultaneously for publication elsewhere. They will undergo a thorough review process by a track-specific committee comprising leading experts from academia and industry; however, papers that are too long or violate the LNCS formatting instructions will be rejected. Accepted papers will be published in a conference proceedings by Springer in the LNCS series.

Authors of best papers from the conference will be invited to revise and submit extended versions of their papers for a special issue of the Journal on Software and Systems Modeling (Springer Press).

For further details concerning the submission process consult <http://www.modelsconference.org/>.

(Please see reverse side for details about the Empirical Results Track)



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(Call For Papers, Page 2)



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#### Empirical Results Track Program Committee:

Baillargeon, Robert	Molina, Juan Carlos
Bordeleau, Francis	Muller, Pierre-Alain
Cantor, Murray	Rouquette, Nicolas
Clark, Tony	Schieferdecker, Ina
Corocoran, Diarmuid	Soley, Richard
Evans, Andy	Stürmer, Ingo
Georg, Geri	Terrier, Francois
Haugen, Øystein	Tratt, Laurence
Kelly, Steven	Voelter, Markus
Koehler, Jana	von der Beeck, Michael
Kulkarny, Vinay	Watson, Ben
Mansourov, Nikolai	Weigert, Thomas
Merks, Ed	Weihl, Frank
Mellor, Stephen	Whittle, Jon
Milicev, Dragan	

#### Call for Papers – *The Empirical Results Track*

As with any emerging technical discipline, model-based engineering approaches to software and system development give rise to a unique set of challenges related to practical application. These include a very diverse list of issues such as problems of scaling to multi-domain and geographically distributed teams, difficulties of integrating new methods and tools into legacy environments, resistance to culture change, and coping with immature technologies. Nevertheless, there are numerous practical examples of industrial application of model-based engineering in which such problems have been overcome, resulting in successful systems that clearly demonstrate the viability and the advantages of model-based methods. Unfortunately, there is still insufficient awareness among many practitioners of such results and the potential of these methods for delivering major increases in productivity and product quality. A primary objective of the MODELS empirical results track is to provide a realistic and verifiable picture of the current state-of-the-practice of model-based engineering.

Both long and short papers are sought. In addition to experience reports, papers that describe innovative solutions and concepts stemming from practical application of model-based methods and tools in industrial settings are deemed highly relevant to this track. Topics of interest include but are not limited to:

- Introducing model-based approaches into organizations
- Experience stories in general (successful and unsuccessful)
- How to scale modeling to many users and large models
- Issues related to current model-based engineering standards
- Engineering and managing sets of modeling languages
- Integrating models into a development environment
- Experience with model-based engineering tools

Please visit the conference website <http://www.modelsconference.org/> for more information.

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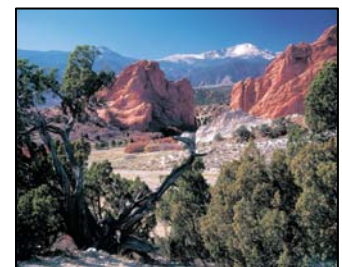
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#### About Denver and the Conference Center

Denver is one of America's most beautiful cities. It is located at the base of the Rocky Mountains and has 300 days of sunshine. Denver has a great love of the outdoors. It is close to the Rocky Mountain National Park and several 14-ers, mountain peaks that are 14,000 ft or higher. It is also a cultural and sophisticated city. According to the official website of the Denver Metro Convention and Visitors Bureau (<http://www.denver.org/>), "The city has more than 40 museums and historic attractions, from Buffalo Bill's Grave & Museum to Daniel Libeskind's amazing new Denver Art Museum. ... The Denver Zoo is the fourth most popular in the nation."



The conference will be held in the Hyatt Regency, Denver Tech Center. It is in the heart of the Tech Center business conclave, and minutes from both downtown and airport.

(Please see reverse side for details about the Scientific Track)