

Sponsored by
[The Society for Modeling and Simulation International](http://www.scs.org/)



P.O. Box 17900
San Diego, CA 92177-7900
Tel: 858-277-3888
Fax: 858-277-3930
E-mail: scs@scs.org
<http://www.scs.org/>

in cooperation with
[ACM/SIGSIM](http://www.acm.org/)



Important Dates:

Abstract submission (MANDATORY): 7 Nov 2009
Paper Submission: 21 Nov 2009
Notification: 15 Dec 2009
Final Paper: 25 Jan 2010

DEVS AWARD

This year, the Symposium will hold the First Bernard P. Zeigler DEVS M&S Award, to recognize high-impact innovations in M&S methods, applications and tools. Further details can be found in the conference webpage

DEVS AWARD Chair
Doohwan Kim, RTSync

CALL FOR PAPERS – DEADLINE EXTENDED

Symposium on Theory of Modeling and Simulation - DEVS Integrative M&S Symposium (DEVS 2010)

April 12-15 2010. [Florida Mall Hotel and Conf. Center](http://www.sce.carleton.ca/faculty/wainer/DEVS10), Orlando, FL.

<http://www.sce.carleton.ca/faculty/wainer/DEVS10>

The purpose of this symposium is to provide a forum to discuss most recent advancements in Theory of Modeling and Simulation. The main focus is on theory of modeling, methodology, practice and toolkits, as well as lessons learned and challenges. The Symposium will focus on bridging different areas in the field of Theory of Modeling and Simulation, including formal modeling, model-checking, graph transformation, modeling methodologies and tools. It also provides an opportunity to exchange ideas with other SpringSim'10 symposia participants in different fields, including tracks co-located with the Symposium on High Performance Computer Simulation.

Topics of interest include (but are not limited to) the following:

- **Theory**
 - DEVS modeling methodology
 - Hybrid system modeling & integration of formalisms
 - Formal analysis and symbolic reasoning
 - Model Checking
 - Graph Transformations
 - Activity paradigm: Complex adaptive systems, tracking, awareness
- **Methodology**
 - Parallel & distributed simulators and simulations
 - Interoperability of simulators (grid, web services, etc.)
 - M&S Engineering
 - M&S-Based development methods
- **Practice and Lessons Learned**
 - Military systems and infrastructures
 - Real-time and embedded systems
 - High performance computing
 - Software-intensive/networked systems
 - Transportation and traffic systems
 - Ecological and environmental systems
 - Standards
- **Toolkits and environments**
 - Tools and libraries (DEVS, Petri Nets, Timed Automata, etc.)
 - Education aspects of Theory of Modeling and Simulation

Submission Procedures:

The conference committee will accept three types of papers submitted as a **PDF file** to the conference website (<http://www.scs.org/springsim/submission>) as listed below. Final version of all the papers must comply with the [SCS conference format](http://www.scs.org/springsim/submission). All the submitted papers should be original and not have been submitted to other venues; they will be peer reviewed with respect to their quality, originality and relevance. The authors of the accepted paper must register in advance for inclusion of their paper in the conference proceedings. The authors of the accepted paper must register in advance for inclusion of their paper in the conference proceedings.

1. **Full manuscript:** 8 pages in final conference format. In addition to publication in the conference proceedings, they will be considered for best paper award and for possible inclusion in a Special Issue of the Simulation Journal (SCS). Full papers will be published both in hard copy and CD-ROM.
2. **Work in Progress:** Short papers up to 6 pages in final conference format.
3. **Short Papers:** Papers with industrial focus, military or government applications, and work-in-progress in abstract or short paper format.

All papers will be included in the conference proceedings and archived in both the [the ACM Digital Library](http://www.acm.org/); Full Papers will be also printed in hard copy.

DEVS 2010 Organizing committee

Advisory Board:

Bernard P. Zeigler (FIEEE, FSCS, LAA-SCS), University of Arizona, USA (Chair)
Christos Cassandras (FIEEE, FIFAC), Boston University, USA
François Cellier (FSCS), ETH Zürich, Switzerland
Mo Jamshidi (FIEEE, FASME, FAAAS), University of Texas at San Antonio, USA
Kishor Trivedi (FIEEE, GCM IEEE CS), Duke University, USA

General Chair: Gabriel A. Wainer, Carleton University, Canada

Program Chair: Mamadou K. Traoré, Université Blaise Pascal, Clermont-Ferrand, France

DEVS 2010 International Technical Program Committee

- **Theory**
 - Fernando Barros, Universidade da Coimbra, Portugal
 - Roberto Bruni, Università di Pisa, Italy
 - Pedro D'Argenio, FAMAF, Argentina
 - Juan de Lara, Universidad Autónoma de Madrid, Spain
 - Norbert Giambiasi, LSIS, Marseille, France
 - Reiko Heckel, University of Leicester, UK
 - Jan Himmelspach, University of Rostock, Germany
 - Dan Hirsch, Intel Corp., Argentina
 - Moon Ho Hwang, DS Delmia Corp., USA
 - Tag Gon Kim, KAIST, Korea
 - Ernesto Kofman, Universidad Nacional de Rosario, Argentina
 - Hernán Melgratti, Universidad de Buenos Aires, Argentina
 - Nora Szasz, Universidad ORT Uruguay
 - Enrico Tronci, Università di Roma "La Sapienza", Italy
 - Emilio Tuosto, University of Leicester, UK
 - Lin Uhrmacher, University Rostock, Germany
 - Hans Vangheluwe, McGill University, Canada
 - Francesco Zanichelli, Università di Parma, Italy

- **Methodology**
 - Olivier Dalle, INRIA Sophia-Antipolis and Université de Nice, France
 - Maximiliano Cristia, Flowgate Consulting and CIFASIS-UNR, Argentina
 - Andrea D'Ambrogio, Università di Roma "Tor Vergata", Italy
 - Xiaolin Hu, Georgia State University, USA
 - Yvan Labiche, Carleton University, Canada
 - Lisandru Muzy, Université de Corse
 - Libero Nigro, Università della Calabria, Italy
 - James Nutaro, Oak Ridge National Laboratory, USA
 - Dorina Petriu, Carleton University, Canada
 - Hessam Sarjoughian, Arizona State University, USA
 - Alfonso Urquia, UNED, Spain
 - Andreas Tolk, Old Dominion University, USA
 - Levent Yilmaz, Auburn University, USA

- **Practice and Lessons Learned**
 - Lisane Brisolaro, UFPel, Brazil
 - Sebastián Dormido, UNED, Spain
 - Olaf Hagendorf, Universität Wismar, German
 - C. Anthony Hunt, UCSF, USA
 - Lewis Ntaimo, Texas A&M, USA
 - Gabriela Nicolescu, École Polytechnique de Montréal, Canada
 - Thorsten Pawletta, Universität Wismar, Germany
 - Sabri Pllana, University of Vienna
 - Eric Ramat, Université du Littoral, France
 - José Luis Risco-Martín, Universidad Complutense de Madrid, Spain
 - Mamadou Seck, TU Delft, Netherlands
 - Yujing Wu, The MathWorks, USA

- **Toolkits and environments**
 - Alex Chow, RTSync, USA
 - Jean-Baptiste Filippi, Université de Corse
 - Claudia Frydman, LSIS, Marseille, France
 - Xiaolin Hu, Georgia State University, USA
 - Saurabh Mittal, Dunip Technologies, USA
 - Pieter Mosterman, The MathWorks, USA
 - Taisy Silva Weber, UFRGS, Brazil
 - Alexander Verbraeck, TU Delft, Netherlands
 - Emilia Vilani, Instituto Tecnológico de Aeronáutica, Brazil
 - N. L. Vijaykumar, National Institute for Space Research (INPE), Brazil
 - Gregory Zacharewicz, Université de Bordeaux, France