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



and ICST



Important Dates:

Paper Submission: ~~21 Nov 2010~~ 20 Dec 2010

Notification: ~~21 Dec 2010~~ January 2011

Final Paper: ~~25 Jan 2011~~ February 2011

DEVS AWARD

This year, the Symposium will hold the Second 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

Symposium on Theory of Modeling and Simulation - DEVS Integrative M&S Symposium (TMS/DEVS 2011)

April 4-9 2011. [Boston Marriott Long Wharf Hotel](http://www.marriott.com) Boston, MA. USA.

<http://www.sce.carleton.ca/faculty/wainer/DEVS11>

The purpose of this symposium is to provide a forum to discuss recent advancements in Theory of M&S. The main focus is on theory of modeling, methodology, practice and software to cope with the challenges arising out of these, as well as lessons learned and challenges. The Symposium bridges different areas in the field of Theory of M&S, including formal modeling, model-checking, graph transformation, modeling methodologies. Topics of interest include (but are not limited to):

- **Theory**
 - DEVS, Petri-nets, Finite state machines, time automata, process algebras, etc.
 - Hybrid system modeling and integration of formalisms
 - Formal analysis and symbolic reasoning
 - Model Checking
 - Graph Transformations
 - Activity paradigm: Complex adaptive systems, tracking, awareness
- **M&S Software**
 - M&S Software, including frameworks and libraries for DEVS, Petri Nets, Finite State Machines, Timed Automata, Process algebras etc.
 - Education aspects of Theory of M&S
- **Methodology**
 - parallel & distributed simulators and simulations
 - Interoperability simulators (grid, web services...)
 - 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

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 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.

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](http://www.acm.org) and the [European Digital Library](http://www.eurosim.org); Full Papers will be also printed in hard copy.

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