

CALL FOR PAPERS

SIMULATION: TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL

SPECIAL ISSUE: APPLICATIONS OF THE DEVS FORMALISM

Introduction

The research on DEVS (Discrete Event Systems Specification), in both theory and practice, has greatly increased over the past decades. The DEVS formalism has been extended to permit the representation of a wide variety of systems including dynamic structure, real-time, fuzzy and continuous systems. The simulation of complex systems requires methodologies capable of integrating models built on different paradigms. Achieving this integration in a complete and sound formalism has been a challenging task. The DEVS formalism and its extensions offer a framework where heterogeneous models can be merged. The application of the DEVS formalism to the simulation of complex systems such as traffic, computer architectures, communications and manufacturing and natural systems is actively performed. This special issue seeks manuscripts showing the application of the DEVS formalisms in the following and related areas:

- Computer Architecture
- Communication
- Manufacturing
- Traffic
- Embedded Control Systems
- Natural Systems

Paper submissions must be original and contain high-quality contributions. Papers should give a brief overview of the state of the art on modeling and simulation in the application area and compare this with the DEVS approach.

Instructions for manuscript preparation

For manuscript formatting and other guidelines, please visit (<http://www.scs.org/pubs/simguidelines.html>)

Notes: Manuscripts must not have been previously or being submitted for publication elsewhere. Each submitted manuscript must include title, names, authors' affiliations, postal and e-mail addresses, an abstract (200 words or less), and a list of keywords. For multiple author submission, please identify the corresponding author.

Deadlines

- Full paper submission: March 17, 2003
- Reviews sent: July 15, 2003
- Final version of manuscripts: October 15, 2003
- Expected date of publication: November 2003.

Submissions for full paper review

Manuscripts should be prepared and sent via softcopy to Fernando J. Barros at barros@dei.uc.pt. Submitted papers must be in PDF format.

Final Paper Submissions

Each final submission must be prepared based on the Modeling and Simulation Journal requirements (please see <http://www.scs.org/pubs/simguidelines.html>).

For questions contact either of the editors at:

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