

CALL FOR PAPERS

SIMULATION: TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL

SPECIAL ISSUE: COMPONENT-BASED MODELING AND SIMULATION

Introduction

Advances in software engineering have been key enablers in fast growth and acceptance of component-based computing. Similarly, component-based modeling and simulation has advanced rapidly during the last five years. This special issue is devoted to the methodologies, theories, and techniques to enable analysis, design, and implementation of multi-component modeling and simulation environments. The emphasis is on specifications, methodologies, and design frameworks offering rigorous development and examination of component-based simulation environments, models, and implementations. Formal specifications and design techniques arising from the principles of modeling and simulation, software engineering, artificial intelligence, and other related areas are of particular interest. Such theories and their environments may be used to aid specification and development of applications in domains such as enterprise computing, agent-based simulation, and ecological modeling.

We invite submissions for a special issue on **Component-based Modeling and Simulation**. Topics for contributions include, but are not limited to:

- Theories for Component-based Specification
- Component-Based Modeling & Simulation Methodologies
- Component-Based Life-cycle
- Tools and Techniques for Test and Evaluation of Component-Based Models

Paper submissions must be original and contain high-quality contributions to advance component-based modeling and simulation.

Instructions for manuscript preparation

For manuscript formatting and other general 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: April 15, 2003
- Reviews sent: July 15, 2003
- Final version of manuscripts: November 15, 2003
- Expected date of publication: December 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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