



## CALL FOR PAPERS - PADS 2005

### 19th ACM/IEEE/SCS Workshop on Principles of Advanced and Distributed Simulation (PADS 2005)

June 1 – 3, 2005, Monterey, California, USA

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**PADS has a New Name & Expanded Scope!** The steering committee for the Workshop on Principles of Advanced and Distributed Simulation (PADS 2005) (formerly called *Parallel and Distributed Simulation*) continues the **expanded scope** for PADS in 2005. In addition to the traditional focus on parallel and distributed simulation methods and applications, the workshop now includes all aspects of simulation technology. The steering and program committees look forward to a number of high-quality paper submissions in the following areas.

- The construction of simulation engines using advanced computer science technology.
- Techniques for constructing scalable simulations.
- Advanced modeling techniques that allow solution of previously difficult or impossible problem domains.
- Simulation visualization techniques.
- Algorithms and methods for parallel or distributed simulation, including synchronization, scheduling, memory management, and load balancing.
- Applications of large-scale or distributed simulation methods.
- Distributed interactive simulation and distributed virtual environments.
- Tools, and techniques for interoperability of simulations, and emulations of real systems.
- Mechanisms for efficient design of experiments.

**Sponsors:** ACM Special Interest Group on Simulation (SIGSIM), IEEE Computer Society Technical Committee on Simulation (IEEE-TCSIM), and Society for Modeling and Simulation International (SCS).

**Important Dates:** Send submissions to the Program Co-Chairs no later than **October 22nd, 2004**. Electronic submission of postscript or PDF is highly encouraged, using the URL given below. Notification of acceptance will be made by **December 15th, 2004**. Camera ready copies must be submitted by **February 15th, 2005**.

**Submissions:** Papers must be written in English and should not exceed 5000 words. Papers must be unpublished and must not be submitted for publication elsewhere. Each submission must be accompanied by the following information: a short abstract, a complete list of authors and their affiliations, a contact person for correspondence, post and email addresses. All submissions will be reviewed using a double-blind review process, i.e., the identity of authors, and referees will not be revealed to each other. To ensure blind reviewing, authors' names and affiliations should not appear in the paper, bibliographic references should be modified so as not to reveal the identities of the authors.

Selected articles from PADS 2005 will be considered for extension and publication within a Special Issue of *SCS Simulation*.

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**Conference URL:** Refer to the conference web page at:

<http://www.pads-workshop.org/pads2005>  
for paper submission instructions and up-to-date information.