



## CALL FOR PAPERS - PADS 2007

### 21<sup>st</sup> ACM/IEEE/SCS Workshop on Principles of Advanced and Distributed Simulation (PADS 2007)

www.pads07.org

In conjunction with Federated Computing Research Conference FCRC 2007

www.acm.org/fcrc

June 12 – 15, 2007, San Diego, California, USA

Computer simulation is being acknowledged as the “third leg” of scientific discovery and analysis, along with theory and experimentation. In addition to traditional areas such as defense and industry, emerging needs in areas such as emergency planning and homeland security are raising new challenges in fast, interoperable computer simulations. The PADS workshop is soliciting papers in any and all of these areas. In addition to the traditional focus on parallel and distributed simulation methods and applications, the conference will include all aspects of simulation technology, including the following:

- 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; emulations of real systems.
- Mechanisms for efficient design of experiments.

**Sponsors (approvals pending):** 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:** Paper manuscripts must be submitted no later than **October 1, 2006**. Electronic submission of postscript or PDF is highly encouraged, using the URL given below. Hard copy submissions are allowed, but *six copies* must be received by the program co-chairs by the deadline. Notification of acceptance will be made by **January 5, 2007**. Camera ready copies must be submitted by **April 1, 2007**.

**Submissions:** Papers must be unpublished and must not be submitted for publication elsewhere.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. Papers must be written in English and should not exceed 10 pages using IEEE Formatting Guidelines (the final versions of accepted papers would be limited to 8 pages, with option to buy additional pages). 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, and bibliographic references should be suitably modified.

Selected articles from PADS 2007 will be considered for extension and publication within a Special Issue of *SCS Simulation*.

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

www.pads07.org

for paper submission instructions and up-to-date information.