
CALL FOR PAPERS



HPC 2009: HIGH PERFORMANCE COMPUTING SYMPOSIUM



Part of the SCS Spring Simulation Multiconference (SMC'09)

HPC 2009

Sponsored by:
The Society for Modeling and Simulation International (SCS)



March 22-27, 2009, San Diego, CA

<http://hosting.cs.vt.edu/hpc2009/>

IMPORTANT DATES

Paper submission due: October 24, 2008
Notification of acceptance: December 13, 2008
Revised manuscript due: January 11, 2009
Symposium: March 22-27, 2009

GENERAL INFORMATION

The 2009 Spring Simulation Multiconference will feature the High Performance Computing and Simulation Symposium (HPC 2009), the 17th special symposium devoted to the impact of high performance computing and communications on computer simulations.

Advances in networking, high-end computers, large data stores, and middleware capabilities are ushering in a new era of high-performance parallel and distributed simulations. Along with these new capabilities come new challenges in computing and system modeling. The goal of HPC 2009 is to encourage innovation in high performance computing and communication technologies and to promote synergistic advances in modeling methodologies and simulation. It will promote the exchange of ideas and information between universities, industry, and national laboratories about new developments in system modeling, high performance computing and communication, and scientific computing and simulation. Topics of interest include

- High Performance/Large Scale Simulation
- High Performance Applications and Case Studies
- Distributed and Grid Computing
- Asynchronous numerical methods.
- Visualization and Data Management
- Modeling Methodologies and Environments
- Advanced Simulation Frameworks
- Problem Solving Environments
- Parallel Algorithms and Architectures
- High Performance Software Tools
- Tools and Environments for Coupling Parallel Codes
- Component Technologies for High Performance Computing

PAPER SUBMISSIONS

Prospective authors are invited to submit full papers on topics related to the areas listed above. Submissions will be evaluated on relevance, technical quality, and exposition. Papers must not have appeared before (or be pending) in a journal or conference with published proceedings, nor may they be under review or submitted to another forum during the HPC 2009 review process. All accepted papers will be published in the proceedings as regular papers. Papers should be submitted electronically at <http://www.softconf.com/scs/HPC09/>. For more information about submission, see:

<http://hosting.cs.vt.edu/hpc2009/submission.php>

Papers must use SCS format. Formatting instructions are available at

<http://www.scs.org/confernc/formattingkit.pdf>

At least one author of an accepted paper must register for the symposium and must present the paper at the symposium.

TUTORIALS

Several tutorials (TBA) are scheduled for HPC 2009. These tutorials will only be offered if a sufficient number of people register to attend the tutorial. For information on registration, see our website at: <http://hosting.cs.vt.edu/hpc2009/program.php>.

PANEL AND SPECIAL SESSION

A panel and special sessions (TBA) are planned for HPC 2009. If you wish for your paper to appear in the special session, we suggest that you contact the session organizer in advance.

Panel:

Special Session:

PUBLICATION

The symposium proceedings will be published through the ACM on CD-ROM and in the ACM Digital Library.

BEST PAPER AWARD

At least one paper will be chosen for the Best Paper Award, which will be recognized as such in the final program.

FURTHER INFORMATION

For further information please visit the conference website at <http://hosting.cs.vt.edu/hpc2009/> or contact the symposium chairs.

SPONSORS

Society for Modeling and Simulation International (SCS) (<http://www.scs.org/>) and Association for Computing Machinery (ACM) (<http://www.acm.org/>).

SYMPOSIUM ORGANIZERS

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