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## CALL FOR PAPERS

HPC 2007: High Performance Computing Symposium,  
part of the  
SCS Spring Simulation Multiconference (SMC'07)

March 26-29, 2007, Norfolk, VA  
<http://www.cs.vt.edu/hpc2007/>

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### IMPORTANT DATES

Paper submission due: December 1, 2006.  
Notification of acceptance: December 22, 2006.  
Revised manuscript due: January 15, 2007.  
Registration packet due at SCS office: January 29, 2007.  
Symposium: March 26-29, 2007.

### GENERAL INFORMATION

The 2007 Spring Simulation Multiconference (formerly Advanced Simulation Technologies Conference) will feature High Performance Computing Symposium (HPC) 2007, the 15th 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. The goal of the 2007 High Performance Computing Symposium (HPC 2007) is to encourage innovation in high performance computing and communication technologies and to stimulate the use of these technologies in key areas of computer simulation. It will promote the exchange of ideas and information between universities, industry, and national laboratories about new developments in high performance computing and communication, that address current scientific and technical challenges within the simulation community. Broad areas of interest include:

1. High Performance Applications
2. High Performance Software Tools
3. Distributed and Grid Computing
4. Visualization and Data Management
5. Problem Solving Environments
6. Parallel Algorithms and Architectures
7. High Performance Discrete Event Simulation

## **PAPER SUBMISSIONS**

Prospective authors are invited to submit full papers (up to 6 pages, double column) 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 2007 review process. All accepted papers will be published in the proceedings as regular papers. Papers should be submitted electronically (in PDF or Postscript format) via <http://www.scs.org/> or the link at the HPC 2007 conference web site at <http://www.cs.vt.edu/hpc2007/> and the full papers should use SCS format. Formatting instructions are available at <http://www.scs.org/confenc/formattingkit.pdf>.

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

## **PUBLICATION**

The symposium proceedings will be published by the Society for Modeling and Simulation International (SCS).

## **SPECIAL ISSUE**

Selected papers from this symposium will be considered for a special issue of the SCS journal "SIMULATION: Transactions of The Society for Modeling and Simulation International".

## **BEST PAPER AWARD**

The paper chosen for the Best Paper Award will be included in a special issue of the SCS Modeling and Simulation Magazine, marked as an "invited paper" for HPC 2007.

## **FURTHER INFORMATION**

For further information please visit the conference website at <http://www.cs.vt.edu/hpc2007> or contact the General Chair: Layne Watson, 540-231-7540, [ltw@vt.edu](mailto:ltw@vt.edu).

## **SPONSORS**

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

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