

CALL FOR PAPERS

**The 2010 International Workshop on High Performance Computing
Technologies and Applications (HPCTA 2010)**

May 21-23, 2010, Busan, Korea

<http://www.editorialsystem.net/HPCTA-2010>

In conjunction with

**The 10th International Conference on Algorithms and Architectures for Parallel
Processing (ICA3PP 2010)**

<http://cse.stfx.ca/~ica3pp2010/>

PURPOSE AND SCOPE

The rapid advancing computer architectures and interconnection networks has brought about great progresses in computing power that scientists and engineers now can solve large-scale problems they would not dream about just a few years ago. While Petaflop systems are emerging in some nation-level institutes for high-end users, personal supercomputers gradually become reality in individual labs and offices. As a result, high performance computing has been evolved into a technology indispensable to scientists and engineers for their research and applications.

HPCTA 2010 provides an international forum for HPC researchers, developers, and users throughout the world to exchange and share their new ideas, applications, experience and future development suggestions on all aspects of high performance computing.

Topics of interest include, but are not limited to :

- *Algorithms and Applications for HPC
 - *HPC in Cloud
 - *System Architecture and Models for HPC
 - *System Software for HPC
 - *Grid/Cluster/GPU Computing and its applications
 - *e-Science and/or Cyber-infrastructure
 - *Computational Science & Scientific Computation
 - *Parallel Programming and Algorithms
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*High Performance Network and Networked Applications

*Performance Modeling and Evaluation

*Parallel I/O and Storage Systems

*Resource Management and Job Scheduling

PAPER SUBMISSION

Submit original unpublished papers in PDF or Ms-Word formats at the workshop submission system: <http://www.editorialsystem.net/HPCTA-2010>. All submitted manuscripts will be reviewed at least by three expert reviewers. Submissions will be judged on originality, technical strength, quality of presentation, and relevance to the workshop scope.

All accepted papers will be included in the ICA3PP-10 workshop proceedings published by Springer-LNCS. The length of the camera-ready manuscripts will be limited to 10 pages. Detailed instructions for electronic paper submission can be found at the conference web site. At least one author of each accepted paper is required to register and present the paper at the conference.

IMPORTANT DATES

Paper Submission Due :	February 21, 2010
Author Notification :	March 8, 2010
Camera-Ready Paper Due :	March 15, 2010

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