

The International Multi-Symposiums on Computer and Computational Sciences (IMSCCS|07)

The University of Iowa, Iowa City, Iowa, USA,
August 13-15, 2007

www.imsccs-conference.org/imsccs07/



IMSCCS|07 is an international conference which is composed of multiple symposiums in the domains of computer and computational sciences. The conference provides a great opportunity for academic professionals from different scientific disciplines to share their research experiences and methodologies, discuss challenges and to initiate collaborative projects. The conference solicits the following topics:

Computer Science:

Petascale Computing Systems; HPC Technology and Applications; Networks and Network Security; Distributed Systems and Data Communication, Software Development; Formal Methods and Programming Languages; Algorithms and Complexity Theory; CS and IT Education, Learning, and Teaching; Operating Systems; Databases and Data Management System; Computer Graphics, Computer Vision, Virtual Reality; Computer System, Structure, and Architecture; System Engineering; Artificial Intelligence; Automated Reasoning; Software and Software Engineering; Achieving and Retrieval; Machine Learning; Multimedia Systems; Wireless, Mobile and Pervasive Computing; Semantic Web, Web Search, and Web Standards and Specification; Grid Computing and Services Computing, etc.

Computational Science:

Cyberinfrastructure; Petascale Computing Algorithms and Applications; Parallel Algorithms and Applications; Large-scale Computations and Simulations; Software Development in Computations; Large-scale Linear Algebra Equation Solver; Numerical Method and Analysis; Computations in Nanotechnology; Computational Chemistry; Data and Signal Processing; Medical Imaging and Informatics; Geo-science and Geographic Information System; Remote Sensors and Networking; Computations in Bioinformatics and Bioscience (SCBCB|07); Computations in Statistics; Modeling, Simulation, Visualization, Virtual Reality; Computations in Biomedical and Biomechanical Engineering; Computations in Environmental Sciences; Computations in Public Health; Computations in Social Science, Humanity, and Education; Data Mining; Optimization and Operation Research; Computational Fluid Mechanics (CFD), etc.

Paper Submission and Publication

The conference welcomes to submit original and unpublished papers. Papers should not exceed 8 single-spaced pages of text using 10-point size type on 8.5 x 11 inch paper (IEEE/CS Conference Format). All submitted papers (in PDF) should be written in English. Each paper will be peer-reviewed. Submission implies the willingness of at least one of the authors to register and present the work. The proceeding will be published by [IEEE/CS Press](http://www.ieee.org). The publication index service can be found at http://www.computer.org/portal/pages/cscps/cps/cps_indexing.html. The selected papers will be recommended for international journals or books such as Journal of Supercomputing, BMC Bioinformatics, Int. Journal of Computational Science and Engineering, Journal of Computational and Theoretical Nanoscience, Journal of Medical Imaging and Radiology Informatics, Journal of Computational Biosciences and Bioinformatics, etc. Each submission must indicate which symposium his/her submission belong to. **The submission site:** www.easychair.org/IMSCCS07/. The conference service will be operated by [UI's Center for Conferences](http://www.uiowa.edu/~centerforconferences/).

Deadlines:

First manuscript submission: **June 15, 2007**
Final camera-ready manuscript: **July 25, 2007**
Late registration: **July 26-August 13, 2007**

Paper acceptance notification: **July 10, 2007**
Early registration: **July 10-July 25, 2007**
Conference date: **August 13-15, 2007**