IEEE CSE 2012 Call For Papers

The Computational Science and Engineering area has earned prominence through advances in electronic and integrated technologies beginning in the 1940s. Current times are very exciting and the years to come will witness a proliferation in the use of various advanced computing systems. It is increasingly becoming an emerging and promising discipline in shaping future research and development activities in academia and industry, ranging from engineering, science, finance, economics, arts and humanitarian fields, especially when the solution of large and complex problems must cope with tight timing schedules.

CSE 2012 is the next event, in a series of highly successful International Conferences on Computational Science and Engineering, held mainly as the International Workshop on High Performance Scientific and Engineering Computing for 10 editions. The previous CSE-11 was held in Dalian, China, August 24-26, 2011. CSE 2012 will take place in Coral Beach resort near the city of Paphos, Cyprus.

Topics of interest include, but not limited to:

- Intelligent and Bio-inspired Computing
- Distributed and Parallel Computing
- Database and Data Mining
- Cluster, Grid, P2P and Cloud Computing
- Mobile Computing and Wireless Communications
- CSE Education
- Scientific and Engineering Computing
- Embedded and Ubiquitous Computing
- Advanced Networking and Applications
- Security, Privacy and Trust; computational finance; data mining; signal and image processing, etc.
- Service and Internet Computing - Dependable, Reliable and Autonomic Computing
- CSE applications to the following areas, but not limited to: computational fluid dynamics and mechanics; material sciences; computational chemistry; space, weather, climate systems and global changes; computational environment and energy systems; computational ocean and earth sciences; combustion system simulation; computational physics; bioinformatics and computational biology; medical applications; transportation systems simulations; combinatorial and global optimization problems; structural engineering; computational electro-magnetic; computer graphics and multimedia; semiconductor technology and electronic circuits and system design; dynamic systems

Submission Guidelines

Submitted papers must not substantially overlap papers that have been published or that are simultaneously submitted to a journal or a conference with proceedings. Papers should be at most 8 pages including the bibliography and well-marked appendices, and should follow the IEEE 8.5" x 11" Two-Column Format. Committee members are not required to read the appendices, and so the paper should be intelligible without them. Submissions are to be made to the submission web site. Only pdf files will be accepted. Submissions not meeting these guidelines risk rejection without consideration of their merits. Papers must be received by the submission deadline. Authors of accepted papers must guarantee that their papers will be presented at the conference. Accepted papers will be published in the IEEE conference proceedings (EI indexed). Selected best papers will be published in special issues of high quality journals (currently under negotiation).

Important Dates

- Submission Deadline: ~~20 July~~ **Extended to 10 August**
- Notification of Acceptance: **28 September**
- Camera-ready Versions Submitted: **12 October**
- Author Registration: **12 October**

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