

2016 Special Session on Multicore Computing and its Applications

in Nuclear Engineering (MCANE 2016)

In conjunction with the IEEE MCSoc-16 at Lyon Congress Center, Lyon, France.

This special session aims at providing a world's premier forum for leading researchers to report their recent progress in computational nuclear science and engineering, ranging from CFD to computational reactor physics, to computer science, with a special emphasis on industrially relevant applications.

Prospective authors are invited to submit paper of their works. Submission of a paper implies that at least one of the authors will have a full registration to the symposium upon acceptance of the paper.

Topics of Interest

Original papers describing new and previously unpublished results are solicited on multicore computing and its applications in nuclear science and engineering. The major topics include, but not limited to:

- Multicore Processing, Data and Workflow Management, and Memory Technologies;
- Multicore Numerical Methods in Reactor Physics, Thermal Hydraulics, and its Couplings;
- Multicore Visualization and Simulation in Multi-Physics, Fluid Dynamics, and Structural Engineering;
- Multicore Applications in Reactor Systems, Operation, and Safety;
- Multicore Scientific Software Development, Performance Evaluation.

Important Dates

- Paper submission due: March 11, 2016
- Author notification: June 24, 2016
- Camera ready manuscript: July 15, 2016
- Session Date: September 21, 2016

Submission

Paper submissions should be formatted according to the IEEE standard double-column format with a font size 10 pt or larger. Each paper is strictly limited to 8 pages in length.

Submissions should represent original and substantive research results. We will NOT accept any paper which, at the time of submission, is under review or accepted for publication or has already been published in another conference or journal venue.

This special session is considered as a part of the IEEE MCSoc-16 conference and hence included in the conference registration.

Online submission site:

http://mcsoc-forum.org/2016/?page_id=7

Publication

Proceedings will be published by IEEE CS Press, and will be included in the Computer Society Digital Library CSDL and IEEE Xplore. All publications are also submitted for indexing to EI's Engineering Information Index, Compendex, and ISI Thomson's Scientific and Technical Proceedings, ISTP/ISI Proceedings, ISI Thomson, and DBLP.

Committee

Program Chair:

Hui Wang (State Power Investment Central Research Institute, China)

Program Committee: TBD