M&C + SNA + MC 2015

Joint International Conference on Mathematics and Computation (M&C), Supercomputing in Nuclear Applications (SNA) and the Monte Carlo (MC) Method

April 19-23, 2015
Sheraton Music City
Nashville, TN, USA

Joint International Conference
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The Oak Ridge/Knoxville Section of the American Nuclear Society (ANS) will host and sponsor the FIRST combined Mathematics and Computations (M&C) ANS topical, Supercomputing in Nuclear Applications (SNA), and Monte Carlo (MC) 2015. The joint international conference will be held at the Sheraton Music City in Nashville, Tennessee during the week of April 19-23, 2015. M&C is the latest in the series organized by the Mathematics and Computation Division of the American Nuclear Society. Prior to 2010, SNA and MC existed as separate conferences. In 2010, SNA and MC combined and held SNA+MC 2010 in Tokyo, Japan. This was followed by SNA+MC 2013 held in Paris, France.

The technical program will consist of plenary sessions, parallel oral presentation sessions, and poster sessions. There will also be several workshops, special sessions, and roundtable discussions as requested by and organized by participants.

Scope of the conference

The joint conference will provide an international review of the status and trends of research and applications in the field of numerical simulation and physical modeling for classical and advanced nuclear concepts, including the role and benefits of high-performance computing. Particular emphasis will be placed on deterministic and Monte Carlo methods and their applications.

Important dates:

Full papers due
December 31, 2014

Full Paper review completed
January 31, 2015

Information regarding the joint conference, including author's instructions, is located on the website:
http://mc2015.org

The organizing committee encourages the Young Members Group to participate and hopes that all practitioners will make plans to join us for this outstanding conference.

The main topics will be:

- Computational Methods Using High-Performance Computers
- Computational Reactor Physics and Particle Transport, Computational Thermal-hydraulics
- Computational Materials Sciences, Computational Plasma Physics/Fusion, Nuclear Reactor Analysis
- Radiation Physics, Particle Accelerator Physics, Computational Science, Deterministic and Monte Carlo Methods.
- Mathematical Methods in Safeguards and Nonproliferation

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