

CALL FOR PAPERS



2009 International Conference on Mathematics, Computational Methods & Reactor Physics

May 3-7, 2009 • The Saratoga Hotel & Conference Center • Saratoga Springs, NY, USA

Papers are solicited in all areas of computational and mathematical methods for analysis of nuclear systems as well as from related disciplines including reactor physics, materials science, shielding, fluid dynamics, medical and biological applications, environmental sciences, fundamental mathematics, and benchmarking.

SUBJECT CATEGORIES INCLUDE:

- Deterministic Transport Theory Methods
- Monte Carlo Transport Theory Methods
- Hybrid Methods in Particle Transport
- Perturbation and Variational Methods
- Computational Fluid Dynamics
- Computational Environmental Science
- Nuclear Data Methods and Analysis
- Criticality and Safety Analysis
- Computational Materials Science
- High-Performance / Large-Scale Computing
- High-Impact Software Design
- Characteristic and Diffusion Theory Methods
- Nuclear Reactor Analysis
- Reactor Kinetics Methods
- Accelerators and Subcritical Systems
- Computational Plasma Physics
- Radiation Protection and Shielding
- Methods for Advanced Reactor Concepts
- Optimization Methods
- Computer Codes and Benchmarks (Poster Session)
- Multi-Physics Simulation Methods
- Computational Medical Physics
- Verification and Validation Methods

GENERAL GUIDELINES

CONTENT:

The contents of the 1500-word summary must include the objectives of the study / investigation and the methodology used. It should also briefly describe the main findings and their potential applications. Sufficient information should be included for an independent reviewer to determine its suitability for the conference.

DEADLINE:

The 1500-word summary must be submitted electronically no later than September 30, 2008, in order to ensure that it is included in the review process.

AUTHOR'S ORGANIZATIONAL APPROVAL:

- All internal reviews and organizational approvals must be completed prior to submittal.
- It is the responsibility of the author to protect proprietary information.

PAPER ACCEPTANCE CRITERIA:

Papers are expected to contain descriptions of work that is new, significant, and relevant to the conference purposes. Papers will be reviewed prior to acceptance. Submissions should contain new data and investigations in scientific or program areas that are of general interest, address problems of interdisciplinary significance, or include in-depth discussions of scientific and technical issues. Criteria for selection include originality of work, relevance of topic, validity of method, clarity and conciseness of communication, and adherence to the scientific method (if appropriate). Compliance with content and length guidelines is also part of the acceptance requirements. Papers must be submitted electronically through http://local.ans.org/ne-ny/topical_2009_neny.html. Papers may be submitted for oral or poster presentation. Papers may be designated for submission to a refereed journal. All submissions must be in English.

ELECTRONIC SUBMISSIONS:

To submit a paper electronically, please refer to the detailed instructions available on the internet at http://local.ans.org/ne-ny/topical_2009_neny.html.

IMPORTANT DATES:

- 1500-Word Summary Deadline: September 30, 2008
- Notification to Authors: November 30, 2008
- Full Paper Submission: January 31, 2009

ADDITIONAL GUIDANCE:

For additional guidance regarding paper and summary templates, formatting, publication methods and publication requirements please visit the conference website (http://local.ans.org/ne-ny/topical_2009_neny.html).

WEBSITE: http://local.ans.org/ne-ny/topical_2009_neny.html



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Saratoga Springs sits at the foothills of the Adirondack Mountains in upstate New York, and is a modern town with a fairytale atmosphere. Best known for thoroughbred and harness track racing, Saratoga also features many great museums. The legendary healing waters of the natural spas and the historical Victorian mansions make it a premier location to simply relax. Over one hundred popular restaurants and nightspots make Saratoga a destination like no other.

Contemporary style meets distinguished tradition at **The Saratoga Hotel and Conference Center**. A fresh addition to the heart of the downtown scene, the Saratoga Hotel is just steps from over 50 restaurants, distinctive shops, sidewalk cafes, and thriving nightlife.



The **2009 International Conference on Mathematics, Computational Methods & Reactor Physics** will provide an international forum to present and discuss recent research in mathematical modeling and computing as applied to nuclear engineering and particle transport. This conference is part of a series of topical meetings organized by the Mathematics and Computation Division of the American Nuclear Society and returns to Saratoga Springs, New York – the site of the 1997 conference in this series. The technical program will consist of plenary sessions, parallel oral presentation sessions, and poster sessions. There will also be one or more workshops.

Important Deadlines

February 2008	First Call for Papers
September 30, 2008	Submission of 1500-Word Summaries
November 30, 2008	Notification of Acceptance to Authors
January 31, 2009	Final Paper Submission
January 2009	Open Registration

Contact Information

Website:

http://local.ans.org/ne-ny/topical_neny_2009.html

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Meeting Organizers

NENY ANS & Knolls Atomic Power Laboratory

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