Call for Papers

The Physics of Reactors (PHYSOR) conferences represent a series of international forums organized and sponsored to assemble expertise related to reactor physics and related topical areas. PHYSOR 2016: Unifying Theory and Experiments in the 21st Century, will be a venue focused on both modeling/simulation & experimental aspects of reactor physics and exploration of common aspects & requirements of the two focus areas. The meeting will also include plenary discussions, technical tours, workshops, and sessions in other topics relevant to the physics of nuclear reactor systems.

The Technical Program Committee for PHYSOR 2016 is soliciting 1500-word extended summaries, due by July 31, 2015, that will be reviewed and judged for relevance, technical significance, and completeness of the work. Those authors whose summaries are accepted will be invited to submit a full paper. Full papers will be given a quick review of formatting and general readability, but will not be re-reviewed technically. Formatting instructions for the full paper will be posted on the PHYSOR website.

Technical topic areas requested for this conference are provided on the following page.

Important Dates

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<td>Submission of 1500 Word Extended Summaries</td>
<td>July 31, 2015</td>
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<td>Summary Review</td>
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<td>Full Papers Due</td>
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<td>Early Registration Ends</td>
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<td>Meeting Dates</td>
<td>May 1-5, 2016</td>
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For further news, information, and instructions, please visit the conference website at http://physor2016.org
Meeting Organizers
ANS Idaho Section
Idaho National Laboratory
University of Idaho
Idaho State University
University of California at Berkeley
University of New Mexico

Honorary Chairs
James Lake, ANS Past President
Harold McFarlane, ANS Past President

General Chair
Finis Southworth, AREVA

Assistant General Chairs
Danielle Perez, INL/ANS
Teri Ehresman, IANS

Financial Chair
Robert Skinner, IANS

Technical Program Chairs
Mark DeHart, INL/ANS
Todd Palmer, Oregon State Univ.
Kent Welter, NuScale Power

Publications Chair
Germina Iias, ORNL

Spouse Activity Chair
Cindie Jensen, INL/ANS
Güler Yavuz-Sen

Student Arrangement Chair
Massimiliano Fratoni, UC Berkeley

International Relations
Jim Gulliford, OECD/NEA
Deokjung Lee, UNIST
Jean-Pascal Hudelot, CEA

Technical Topic Areas
Full Papers to be submitted to one of the following 20 tracks:

1. Accident Tolerant Fuels
2. Advanced Multidimensional Reactor Kinetics Methods
3. Advanced Reactor Designs
4. Burn-up Credit and Spent Fuel Measurements
5. Computational Reactor Physics on Advanced Computing Architectures
6. Depletion Methods for Reactor Analysis
7. Deterministic/Monte Carlo Hybrid Methods
8. Fuel Cycle Physics, Management & Optimization
9. Light Water Reactor Sustainability
10. Modeling and Simulation for Nonproliferation and Safeguards
11. Multi-Physics Reactor Simulations
12. Nuclear Data, Evaluations & Libraries
13. Reactor Analysis Methods
14. Reactor Operation and Control
15. Reactor Physics Standards
16. Reactor Physics in Research Reactors
17. Sensitivity/Uncertainty Analysis
18. Transient Reactor Testing
19. Validation Dosimetry, Experiments, Benchmarks and Facilities
20. Verification and Validation of Reactor Analysis Methods

American Nuclear Society