Embedded Topical Meeting on Advances in Thermal Hydraulics—2016 (ATH '16)

June 12–16, 2016 • New Orleans, LA • Hyatt Regency

Embedded Topical Meeting Officials:

General Chairs
Fan Bill Cheung, *The Pennsylvania State University*
Michio Murase, *Chief Researcher, Institute of Nuclear Safety Systems*

Technical Program Chairs
David Aumiller, *Bettis Atomic Power Laboratory*
Seungjin Kim, *The Pennsylvania State University*
Simon Walker, *Professor, Imperial College*

Assistant Technical Program Chairs
Elia Merzari, *Argonne National Laboratory*
Xiaojing Liu, *Shanghai Jiao Tong University*

Important Dates

Draft Full-Length Paper Submission – January 25, 2016
Review Notification – February 15, 2016
Final Paper – March 15, 2016
Selected papers will be published in a special edition of Nuclear Technology

Submit Full Papers

Full papers must be submitted electronically using Adobe Acrobat (PDF) files or Microsoft Word documents and the ANS Electronic Submission System. Authors are required to use the full paper template at at www.ans.org/meetings/c_1 under the ATH '16 Meeting.

Page Charges

Page charges will be $20.00 per page under 14 pages and $40.00 per page over 14 pages.

Sponsored by

ANS Thermal Hydraulics Division

About the Meeting

This embedded topical meeting is the third in a series organized by the Thermal Hydraulics Division consisting of peer-reviewed, full-length technical papers covering recent advances in thermal hydraulics. Authors and presenters are invited to participate in this event to exchange ideas and knowledge.

Conference Topics (Sessions for Paper Submittals)
Gas-Cooled Reactors
Two-Phase Flow and Heat Transfer Fundamentals
Boiling and Condensation Phenomena
Rod Bundle Thermal Hydraulics
DNS/LES Applications in Nuclear Engineering
Simulation of Wire-Wrapped Fuel Assemblies
Subchannel Analysis
Nuclear Reactor Core Thermal Hydraulics
Nuclear Reactor Plant Thermal Hydraulics and Safety
Code Development and Applications
Computational Methods, Modeling, Verification/Validation
Applications of Computational Methods to Nuclear Systems
Advanced Code Development and Validation/Verification/Applications
Experimental Methods and Instrumentation
Severe Accidents, Phenomena, Modeling and Experiments
Combustion and Fires, Modeling and Experiments
Thermal Hydraulics in Accident Management
Operating LWRs Thermal Hydraulics and Safety
Thermal Hydraulics in Power Uprating/Life Extension
Neutronics/Thermal-Hydraulics Coupling
Fluid-Structures and Materials Interactions
Sodium Ccooled Fast Reactor Thermal Hydraulics
Next Generation LWR Thermal Hydraulics
Next Generation Gas-Cooled Reactor Thermal Hydraulics
Generation IV and Future Innovative Nuclear Reactors Thermal Hydraulics
Nano-Fluid Science and Technology Applications to Nuclear Systems
Micro-Channel Flow and Heat Transfer Phenomena
Thermal Hydraulics of Non-Electricity Generating Nuclear Equipment
Thermal Hydraulics of Waste Management
Best Estimate LOCA

Paper acceptance will be based upon originality of the work, strictly implemented methods or models, quality of results, impact of the scientific advances to the field of thermal hydraulics, conclusions supported by data, proper citing of references, and use of correct grammar and spelling.