

2014 ANS Annual Meeting

International Embedded Topical Meeting on Advances in Thermal Hydraulics - 2014 (ATH '14) June 15–19, 2014 • Reno, NV • Grand Sierra Resort

ABOUT THE MEETING

This embedded topical meeting is the second one in its series being organized by the Thermal Hydraulics Division and is a peer-reviewed full-length technical papers covering recent advances in thermal hydraulics. Authors and presenters are invited to participate in this event to exchange the recent advances and new developments. There will be a plenary session and a technical session dedicated to Dr. Novak Zuber to commemorate his legacy.

Conference Topics (Sessions for Paper Submittals)

- Research and Developments inspired by Dr. Novak Zuber
- Gas-Cooled Reactors in Memory of Dr. Chang Oh
- Two-Phase Flow and Heat Transfer Fundamentals
- Boiling and Condensation Phenomena
- Rod Bundle Thermal Hydraulics
- 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 Upgrading/Life Extension
- Neutronics/Thermal-Hydraulics Coupling
- Fluid-Structures and Materials Interactions
- Sodium-Cooled 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

IMPORTANT DATES:

Draft Full-Length Paper Submission:
January 10, 2014

Review Notification:
By February 25, 2014

Final Paper:
March 11, 2014
Selected papers will be published in a special edition of Nuclear Technology

There is a page charge of \$25 per page.

EMBEDDED TOPICAL OFFICIALS

General Chairs

Dr. Kurshad Muftuoglu (*Principal Engineer, GE Hitachi Nuclear Energy*)

Prof. Jong Hyun Kim (*Professor, KAIST & Consulting Executive EPRI*)

Technical Program Chair

Dr. Donna Post Guillen (*Distinguished Staff Engineer, INL*)
Horst-Michael Prasser, (*Paul Scherrer Institute*)

Assistant Chairs

Prof. Seungjin Kim (*Associate Professor, PSU*)
Dr. Elia Merzari (*Nuclear Engineer, ANL*)

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ANS Call For Papers