

2012 ANS WINTER MEETING AND NUCLEAR TECHNOLOGY EXPO

San Diego, CA
Town & Country
Hotel & Resort
November 11-15, 2012

EMBEDDED TOPICAL MEETING
INTERNATIONAL MEETING ON SEVERE ACCIDENT ASSESSMENT AND
MANAGEMENT: LESSONS LEARNED FROM FUKUSHIMA DAI-ICHI



1ST CALL FOR PAPERS

Nuclear Technology is planning to produce a special issue focused on "Severe Nuclear Accident Management - Lessons from Fukushima" including the technology aspects of the events occurring at Fukushima Dai-ichi. Contributors to the embedded topical meeting are encouraged to submit a full paper on their work in this topical area.

Associate Editor - Andrew Klein
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Nuclear Science and Engineering will consider the best papers for a special issue focused on the technology aspects of the events occurring at Fukushima Daiichi. Contributors to the embedded topical meeting area encouraged to submit a full paper on their work in this topical area.

POC - Michael Corradini
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The 2012 ANS Winter Meeting and Nuclear Technology Expo will co-host an embedded topical meeting, International Meeting on Severe Accident Assessment and Management: Lessons Learned from Fukushima. General Chairs are Dr. Michael Corradini (University of Wisconsin) and Dr. Dale Klein (University of Texas, Austin). The Technical Program Chairs are Dr. Jacopo Buongiorno (MIT) and Dr. Akira Tokuhiro (University of Idaho). Provisionally, ANS is the primary sponsor.

This embedded topical meeting is the first of its kind hosted by ANS. As you know, we now live in the post-Fukushima nuclear energy world. There are a number of institutions and entities looking into severe accident and management. Of major concern are the lessons learned from the accident and management of the events.

The embedded topical provides a forum for those concerned and interested in severe accident phenomena and mitigation actions. Technical papers on topics pertaining to severe accident and management are solicited for the proposed technical tracks listed below. The embedded topical aims to provide an open exchange of information and technical views in panel discussions that will be held in plenary sessions.

We welcome the submission of full-length technical papers, which will be peer reviewed and published on a CDROM. We request authors to substantiate relevance to the Fukushima accident. All authors will present their papers in English. Approximately 20 minutes will be allotted for each paper. At least one author is required to register for this meeting.

General Chairs:

Michael Corradini (Professor, Nuclear Engineering & Engineering Physics, University of Wisconsin)

Dale Klein (Professor, University of Texas at Austin)

Technical Program Chairs:

Jacopo Buongiorno (Professor, MIT)

Akira Tokuhiro (Professor, University of Idaho)



By March 15, 2012

authors should submit a one-page 500 word abstract (text only) with contact information and preferred track number to: www.ans.org/meetings

Planned Technical Tracks

All track papers should be Fukushima specific; otherwise they should be in the Winter Meeting

1. Lessons learned from Fukushima Dai-ichi
2. Re-examination of external (seismic, tsunami, and other natural phenomena) events and loss of offsite power events
3. Severe accident phenomena and analyses
 - Accident progression and scenario reconstruction
 - Integrated computer models
 - Experimental analyses and available benchmark studies
 - Source term analyses
 - Hydrogen phenomena
4. Emergency and Severe Accident response, procedures and analyses: EOPs, SAMGs, SAMA, SAMDA
5. Spent fuel pool/pond management
6. Siting of existing and proposed nuclear power plants
 - Multi-unit siting
 - Coastal siting
7. PRA/PSA
8. Operational safety improvements
9. Regulatory implications
 - Analytical and experimental information
10. Environmental modeling
 - Release modeling during accident
 - Phenomenology & computer modeling
11. Beyond design basis event for non-commercial reactors
12. Risk-informing new designs
13. Emergency preparedness, planning and risk communication
14. Comparisons between accidents at TMI, Chernobyl, and Fukushima
15. Safety Culture Issues
16. International response and impacts
 - Stress tests and safety checks
 - Policy changes
 - Impacts to fuel cycle
 - National energy security
 - Economics
 - Climate change
17. Cross-track Panel Discussions



Paper Deadlines

Abstract Acceptance:
April 30, 2012

Draft Papers:
June 15, 2012

Review Notification:
July 13, 2012

Final Papers/Copyright:
September 3, 2012

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