

American Nuclear Society: 2012 Annual Meeting

June 24–28, 2012 • Chicago, Illinois • Hyatt Regency Chicago

and EMBEDDED TOPICAL MEETINGS:

- ANS Embedded Topical on Decommissioning, Decontamination and Reutilization and Technology Expo (DD&R 2012)
- Nuclear Fuels and Structural Materials for the Next Generation Nuclear Reactors (NFSM 2012)
- International Congress on Advances in Nuclear Power Plants (ICAPP 2012)



SUMMARY DEADLINE: JANUARY 13, 2012

Call for Papers

EMBEDDED TOPICAL MEETING:

Nuclear Fuels and Structural Materials for the Next Generation Nuclear Reactors (NFSM 2012)

June 24–28, 2012 • Chicago, IL • Hyatt Regency, Chicago

EMBEDDED TOPICAL MEETING CHAIRS GENERAL CHAIRS

Todd Allen, *University of Wisconsin*

Lance Snead, *Oak Ridge National Laboratory*

TECHNICAL PROGRAM CHAIRS

Jacob Eapen, *North Carolina State University*

K. L. Murty, *North Carolina State University*

Heather J. MacLean Chichester, *Idaho National Laboratory*

PAPER DEADLINES

SUBMISSION OF SUMMARIES:

By January 11, 2012

AUTHOR NOTIFICATION:

By February 29, 2012

SUBMIT SUMMARIES

Summaries must be submitted using the ANS Electronic Submission System. Authors are required to use the ANS Template and “Guidelines for Transactions Summary Preparation” provided on the ANS Web site.

ABOUT THE MEETING

NFSM 2012 will bring together a group of materials experts from the industry, academia, and national laboratories to discuss the current research and development in the nuclear materials field.

The meeting will cover a wide spectrum of topics ranging from investigation of fuels and materials deformation at picoseconds to very slow aging of concrete and structural materials.

Summaries submitted to NFSM 2012 will be reviewed and published on a CD-ROM available at the meeting. Publication of full papers in a special issue of *Journal of Nuclear Materials* is anticipated. A limited number of submissions are scheduled for oral presentations, while the majority of technical presentations of NFSM 2012 are planned to be held in a poster session. At least one author is required to register for the topical meeting.

TOPICS

1. Fast Reactor Cladding and Duct Materials
2. Advanced Cladding (Including Alternatives to Zr Alloys)
3. Advanced Fuel
4. Spent Fuel and Interim Storage
5. Concrete
6. Materials Under Extreme Environment
7. High Temperature Materials for Nuclear Applications
8. Atomistic and Microstructure Modeling
9. Reprocessing
10. Fukushima Accident:
 - a. Materials perspective
 - b. Policy