ANS Call For Papers

2015 ANS Annual Meeting

June 7–11, 2015 • San Antonio, TX • Grand Hyatt San Antonio

Nuclear Technology: An Essential Part of the Solution

Summary Deadline: January 9, 2015
CALL FOR PAPERS

Conference Chairs:

General Chair
Dale Klein, *University of Texas, Austin*

Assistant General Chair
Steven R. Biegalski, *University of Texas, Austin*

Technical Program Chair
Jeffery R. Brault, *Argonne National Lab*

Assistant Technical Program Chair
Peter F. Caracappa, *Rensselaer Polytechnic Institute*
Piyush Sabharwall, *Idaho National Laboratory*

Deadlines: No Exceptions

SUBMISSION OF SUMMARIES:
October 1, 2014–January 9, 2015

AUTHOR NOTIFICATION OF ACCEPTANCE:
By February 24, 2015

REVISED SUMMARIES DUE:
March 11, 2015

Format

Authors are now REQUIRED to use the ANS Template and Guidelines for TRANSACTIONS Summary Preparation provided on the ANS Web site. Summaries must be submitted electronically using Adobe Acrobat (PDF) files and original Microsoft Word documents and the ANS Electronic Paper Submission and Review System. Summaries not based on the ANS Template will be REJECTED.

Guidelines For Summaries

Please submit summaries describing work that is NEW, SIGNIFICANT, and RELEVANT to the nuclear industry. ANS will publish all accepted summaries in the TRANSACTIONS. Papers are presented orally at the meeting, and presenters are expected to register for the meeting. Completed papers may be published elsewhere, but the summaries become the property of ANS. Under no circumstances should a summary or full paper be published in any other publication prior to presentation at the ANS meeting. It is the author's responsibility to protect classified or proprietary information.

Content

1. Introduction: State the purpose of the work.
2. Description of the actual work: Must be NEW and SIGNIFICANT.
3. Results: Discuss their significance.
4. References: If any, must be closely related published works. Minimize the number of references.
5. Do not present a bibliographical listing.

Length

1. The minimum length is one full page.
2. The maximum length is four pages, including references, tables, and figures.
3. Limit title to ten words; limit listing authors to three or fewer if possible.

Page Charge

ANS charges $100 per final printed page (prorated) in the TRANSACTIONS. Authors should be prepared to provide their purchase order numbers when submitting their summaries electronically.

Required Template and Guidelines for Transactions Summary Preparation

www.ans.org/pubs/transactions

Submit a Summary

www.ans.org/meetings

Transactions Coordinator

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2015 ANS Annual Meeting

2015 Annual Meeting: Session Titles by Division

1. Accelerator Applications (AAD)

1a. Accelerator Applications: General

2. Aerospace Nuclear Science and Technology (ANSTD)

2a. Aerospace Nuclear Science and Technology: General

3. Biology and Medicine (BMD)

3a. Numerical Optimization in Medical Physics and Nuclear Engineering
3b. Biology and Medicine: General

4. Decommissioning and Environmental Sciences (DESD)

4a. Solid Waste Management (P)
4b. Cooling Water Sources for Nuclear Power (P)
4c. Recent Developments in Hydrogen Produced through Nuclear Power (P)
4d. Decommissioning and Environmental Sciences: General

5. Education, Training, and Workforce Development (ETWDD)

5a. Focus on Communications: Improving our Advocacy (P)
5b. Focus on Communications: Endorsing Nuclear Energy (P)
5c. Education and Training: General
5d. Training, Human Performance, and Workforce Development

6. Fuel Cycle and Waste Management (FCWMD)

6a. Environmental Monitoring on Nuclear Sites: Aspect, Importance, and Challenges
6b. GTRI Status and Progress
6c. Advanced Fuel Cycle Technologies (focus on aqueous)
6d. Fuel Cycle Simulators
6e. Recycle and Reuse of Used Nuclear Fuel Resources
6f. Updated Status on Used Fuel Disposition (P)
6g. Decision Making and Metrics for Fuel Cycle RD&D
6h. University Research in Fuel Cycles and Waste Management
6i. Hybrid Energy: Combining Nuclear and Other Energy Sources
6j. Fuel Cycle and Waste Management: General
6k. Cyclus User's Tutorial
6l. Cyclus Archetype Developers Tutorial

7. Fusion Energy (FED)

7a. Fusion Energy General

8. Human Factors, Instrumentation, and Controls (HFICD)

8a. Human Factors, Instrumentation, and Controls: General

9. Isotopes and Radiation (IRD)

9a. Innovations in Radiation Detectors: New Designs, Improvements, and Applications
9b. New Research and Education Developments at the Nuclear Science and Engineering Programs
9c. Isotopes and Radiation: General

10. Materials Science and Technology (MSTD)

10a. Accident Tolerant Fuel
10b. Used Nuclear Fuel Disposition
10c. Structural Materials for Nuclear Applications
10d. Modeling and Simulation
10e. Nuclear Fuels
10f. Advanced Measurements and Instrumentation

11. Mathematics and Computation (MCD)

11a. Uncertainty Quantification and Sensitivity Analysis Methods
11b. Current Issues in Computational Methods Roundtable (P)
11c. Transport Methods: General
11d. Computational Methods: General
11e. Mathematical Modeling: General

12. Nuclear Criticality Safety (NCSD)

12a. ANS 8 Standards Forum
12b. Data, Analysis and Operations for Nuclear Criticality Safety
12c. Nuclear Fission Processes and Data

13. Nuclear Installations Safety (NISD)

13a. Nuclear Safety Research at the Department of Energy
13b. Status of the DOE:NE aSMR PRA Program

14. Nuclear Nonproliferation Technical Group (NNTG)

14a. Nuclear Nonproliferation Technical Group General [FCWMD, IRD, NISD, RPSD, YMG]
14b. Application of Radiation Detection Technologies to Meet Nonproliferation Goals and Objectives [IRD, RPSD] (P)
14c. Detector Applications in Support of Nonproliferation Policy
14d. Human Reliability in Nuclear and Radiological Systems, (P)
14e. Global Threat Reduction Initiative (GTRI) Accomplishments and Challenges [YMG] (P)
14f. New Developments on Nuclear Trade Agreements [OPD] (P)
14g. Nuclear Forensics: Application, Policy, and Challenges Associated with Global Security and Nuclear Nonproliferation [IRD, FCWMD] (P)
14h. Nuclear Nonproliferation Student Showcase—Poster Session [FCWMD, IRD, RPSD, YMG]

2015 ANS Annual Meeting

2015 Annual Meeting: Session Titles by Division

15. Operations and Power (OPD)

15a. Breaking the Barrier Between Research and Implementation (P)
15b. New Nuclear Construction Around the World—Status Report (P)
15c. Advanced/Gen-IV Reactors
15d. Operations and Power: General

16. Radiation Protection and Shielding (RPSD)

16a. Computational Tools for Radiation Protection and Shielding
16b. Best of RPSD 2014
16c. Background Radiation
16d. Radiation Protection and Shielding: General
16e. Radiation Protection and Shielding: Roundtable (P)

17. Reactor Physics (RPD)

17a. Advanced Monte Carlo Methods for Reactor Physics Analysis [MCD]
17b. Progress in Student Research and Design Projects [AAD, ANSTD, ETWDD, FED]
17c. Small Modular Reactors (SMRs): Reactor Physics and Fuel Cycle [FCWMD]
17d. LWR Fuel Reliability
17e. Current Issues in LWR Core Design and Reactor Engineering Support (P)
17f. Reactor Physics Design, Validation, and Operating Experience
17g. Reactor Analysis Methods
17h. Reactor Physics: General

18. Robotics and Remote Systems (RRSD)

18a. Robotics and Remote Systems: General

19. Thermal Hydraulics (THD)

19a. Two-Phase Flow
19b. Thermal Hydraulics Education (P)
19c. Thermal Hydraulics in Non-traditional Nuclear Applications
19d. Computational Thermal Hydraulics
19e. Experimental Thermal-Hydraulics
19f. Advanced System Code Development and Analysis
19g. Computational Fluid Dynamics Verification and Validation
19h. Thermal-Hydraulics: General

20. Young Members Group (YMG)

20a. Young Members Group: General

ANS 2015 Annual Meeting: Technical Divisions

Acceleration Applications (AAD)
Erich Schneider, eschneider@mail.utexas.edu

Aerospace Nuclear Science and Technology (ANST)
Martin Sattison, martin.sattison@inl.gov

Biology and Medicine (BMD)
Rolf Zeisler, rolf.zeisler@nist.gov

Education, Training, and Workforce Development (ETWDD)
John Bennion, john.bennion@ge.com

Decommissioning and Environmental Sciences (ESD)
Jay Peters, jpeters@haleyaldrich.com

Fuel Cycle and Waste Management (FCWMD)
Jean-Francois Lucchini, lucchinif@pvtnetworks.net

Fusion Energy (FED)
Lee Cadwallader, lee.cadwallader@inl.gov

Human Factors, Instrumentation, and Controls (HFICD)
Sacit Cetiner, cetinerms@ornl.gov

Isotopes and Radiation (IRD)
Kenan Unlu, K-unlu@psu.edu

Materials Science and Technology (MSTD)
Kenneth Geelhood, Kenneth.Geelhood@pnl.gov

Mathematics and Computation (MCD)
Ryan McClarren, rgm@tamu.edu

Nuclear Criticality Safety (NCSD)
Allison Miller, admille@sandia.gov

Nuclear Installations Safety (NISD)
Edward Blandford, edb@unm.edu

Nuclear Nonproliferation Technical Group (NNTG)
Chris Robinson, robinsonrc@12doe.gov

Operations and Power (OPD)
Gale Hauck, hauckge@westinghouse.com

Radiation Protection and Shielding (RPSD)
Peter Caracappa, caracp3@rpi.edu

Reactor Physics (RPD)
Alexander Stanculescu, Alexander.Stanculescu@inl.gov

Robotics and Remote Systems (RRSD)
Carl Crane, carl.crane@gmail.com

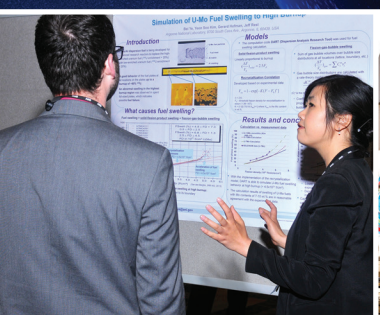
Thermal Hydraulics (THD)
Elia Merzari, pcchair@thd-ans.org

Young Members Group (YMG)
Brett Rampal, bret.rampal@gmail.com

ANS Conference

2015 Annual Meeting

Nuclear Technology: An Essential Part of the Solution



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