CALL FOR PAPERS

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SUMMARY DEADLINE: TUESDAY, JUNE 29, 2018

JUNE  SUBMISSION OF SUMMARIES: Tuesday, June 29, 2018
JULY  SUBMISSION OF DESCRIPTION AND PANELISTS/SPEAKERS FOR PREVIEW PROGRAM: Friday, July 20, 2018
JULY  AUTHOR NOTIFICATION OF ACCEPTANCE: Friday, July 27, 2018
AUGUST REVISED SUMMARIES DUE: Tuesday, August 21, 2018
SEPTEMBER ANY ADDITIONAL DESCRIPTIONS AND PANELISTS/SPEAKERS FOR OFFICIAL PROGRAM: Friday, September 14, 2018

FORMAT
Authors are now REQUIRED to use the ANS Template and Guidelines for TRANSACTIONS Summary Preparation provided on the ANS Web site at www.ans.org/pubs/transactions. Summaries must be submitted electronically using Adobe Acrobat (PDF) files or 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 in the TRANSACTIONS. Authors should be prepared to provide their purchase order numbers when submitting their summaries electronically.

SUBMIT A SUMMARY
ans.org/meetings

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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. Biology and Medicine: General

4. DECOMMISSIONING AND ENVIRONMENTAL SCIENCES (DESD)
   4a. Decommissioning and Environmental Sciences: General

5. EDUCATION, TRAINING, AND WORKFORCE DEVELOPMENT (ETWDD)
   5a. Education, Training and Workforce Development: General
   5b. Student Design Competition
   5c. Cutting Edge Techniques in Education, Training and Distance Education
   5d. Focus on Communication—I (P)
   5e. Focus on Communication—II (P)
   5f. Innovations in Nuclear Technology R&D Awards
   5g. Research by U.S. DOE NEUP Sponsored Students I, II
   5h. Best of ANS Student Conference
   5i. Professional Licensure in the Nuclear Industry Matters: It’s NOT the Job You DO, It’s How You DO the Job!

6. FUEL CYCLE AND WASTE MANAGEMENT (FCWMD)
   6a. Fuel Cycle and Waste Management: General
   6b. Progress in DOE’s Nuclear Technology Research and Development Programs (P)
   6c. Recent Research Work on Cementitious Waste
   6d. Dry Storage Systems for SNF and HLW
   6e. Transportation of UNF/SNF to the Next Destination (P)
   6f. Safeguards Approaches and Technologies for Molten Salt Reactors
   6g. Used Fuel and High-Level Waste Management – The Long and Winding Road (P)
   6h. Molten Salt Electrochemical Properties
   6i. Molten Salt Reactors: Separations and Waste Processing
   6j. Fuel Cycle Analysis
   6k. Grand Challenges of Closing the Fuel Cycle: How did we get there? Historical, Economic and Regulatory Challenges (P)
   6l. International Research Towards Key Improvements within the Closed Fuel Cycle (P)

7. FUSION ENERGY (FED)
   Sponsoring embedded topical meeting – 23rd Topical Meeting on the Technology of Fusion Energy (TOFE)

8. HUMAN FACTORS, INSTRUMENTATION, AND CONTROLS (HFICD)
   8a. General Topics in Instrumentation and Control
   8b. General Topics in Human Factors and Human Machine Interface
   8c. Preview of the 2019 NPIC/HMIT Topical Meeting
   8d. Cybersecurity Guidance and Practices (P)

9. ISOTOPES AND RADIATION (IRD)
   9a. Isotopes and Radiation: General
   9b. Development of Advanced In-Core Sensors for Fuel Systems R&D

10. MATERIALS SCIENCE AND TECHNOLOGY (MSTD)
    10a. Challenges and Opportunities with Accelerated Qualification of LWR ATF Cladding and Fuel Materials
    10b. Fuels and Materials for Molten Salt Reactors
    10c. Fuels and Materials for Small Modular Reactors
    10d. Nuclear Fuels
    10e. Accident Tolerant Fuels
    10f. Nuclear Fuels and Materials in Fast Reactors
    10g. Nuclear Science User Facilities
    10h. Advanced Measurement Techniques
    10i. Post-Irradiation Examination
    10j. Advanced Manufacturing
    10k. Transient Fuel Performance

11. MATHEMATICS AND COMPUTATION (MCD)
    11a. Current Issues in Computational Methods—Roundtable (P)
    11b. Transport Methods
    11c. Computational Methods
    11d. Mathematical Modeling
    11e. Uncertainty Quantification and Sensitivity Analysis

12. NUCLEAR CRITICALITY SAFETY (NCSD)
    12a. ANS-8 Standards Forum (P)
    12b. NCS Implementation Programs (P)
    12c. Impacts to Criticality Safety from Recent Revisions to DOE Standards (P)
    12d. New Code Developments for Nuclear Criticality Safety Applications
    12e. ENDF/B-VIII.0: Evaluation and Validation (P)
    12f. Critical and Subcritical Experiments
    12g. Membership Challenge Activity Debrief and Solution Discussion (P)
    12h. Recent Nuclear Criticality Safety Program Technical Accomplishments
    12i. Data, Analysis and Operations in Nuclear Criticality Safety
    12j. Hand Calculation Methodology and Use (P)

13. NUCLEAR INSTALLATIONS SAFETY (NISD)
    13a. Nuclear Installations Safety: General
    13b. Expediting the Licensing and Deployment of Advanced Reactors (P)
    13c. Emergent Topics in Consensus Standards
    13d. Current Topics in Probabilistic Risk Analysis

14. NUCLEAR NONPROLIFERATION POLICY (NNPD)
    14a. Nuclear Nonproliferation Policy: General
    14c. Recent Events in Nuclear Nonproliferation (P)
    14d. Eighty Years with Nuclear Fission
    14e. Eighty Years with Nuclear Fission (P)

15. OPERATIONS AND POWER (OPD)
    15a. Operations and Power: General
    15b. Nuclear Cogeneration for Sustainable Development (P)
    15c. New Nuclear Construction Around the World—Status Report (P)
    15d. Hybrid Energy Systems (P)
    15e. Energy Storage Systems (P)
    15f. Advanced/Gen-IV Reactors
    15g. Underway on Nuclear Power: A Retrospective (P)
    15h. Results from the Nuclear Futures Discussion on Community Engagement (P)

16. RADIATION PROTECTION AND SHIELDING (RPSD)
    16a. Radiation Protection and Shielding: General
    16b. Radiation Protection and Shielding—Roundtable (P)
    16c. Ethics in Nuclear Engineering and Design (P)

17. REACTOR PHYSICS (RPD)
    17a. Reactor Physics: General
    17b. Reactor Analysis Methods
    17c. Data Analytics in Support of Safety and Security
    17d. Reactor Physics in Test and Research Reactors
    17e. Application and Challenges in CFD-Neutronics Coupling
    17f. Current Issues in LWR Core Design and Reactor Engineering Support (P)

18. ROBOTICS AND REMOTE SYSTEMS (RRSD)

19. THERMAL HYDRAULICS (THD)
    Sponsoring embedded topical meeting – International Topical Meeting on Advances in Thermal Hydraulics 2018 (ATH)

2018 WINTER MEETING: TECHNICAL DIVISIONS

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