

ANS[®]

CALL FOR PAPERS

2026 ANS ANNUAL CONFERENCE

May 31-June 3, 2026 | Denver, CO | Sheraton Denver

EXECUTIVE CHAIRS

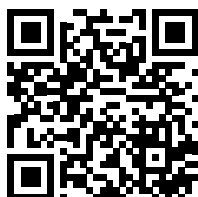
Program Co-Chairs:

Sue Aggarwal
Jim Byrne

IMPORTANT DEADLINES

SUBMIT A SUMMARY

<https://apps.ans.org/esr/event-ac2026/>



PROGRAM SPECIALIST

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**SUBMISSION OF SUMMARIES
OR ABSTRACTS (NO EXTENSIONS)**
Friday, January 23, 2026

**AUTHOR NOTIFICATION
OF ACCEPTANCE**
Monday, February 16, 2026

**REVISED SUMMARIES
OR ABSTRACTS DUE**
Friday, February 27, 2026

GUIDELINES FOR SUBMISSION

Please submit summaries or abstracts describing work that is new, significant, and relevant to the nuclear industry. ANS will publish all accepted and presented summaries in the TRANSACTIONS. Submitted abstracts will not be published. Summaries and abstracts are presented orally at the conference, and presenters are expected to register for the conference. Non-U.S. attendees requesting a visa invitation letter: registrar@ans.org. Full papers based on summaries 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 before presentation at the ANS conference. It is the author's responsibility to protect classified, export-controlled, or proprietary information. Submit your summary via the ANS Electronic Paper Submission and Review (EPSR) portal; see link on the left.

SUMMARY FORMAT AND LENGTH

1. Use the ANS Template and Guidelines for TRANSACTIONS Summary Preparation provided on the [2026 Annual home page](#). Summaries that are not based on the ANS template will be rejected.
2. Summaries must be submitted as Adobe Acrobat PDF documents.
3. The minimum length is one full page.
4. The maximum length is four pages, including references, tables, and figures. Do not include a cover page. After you save your document as a PDF, verify that it is still four or fewer pages.
5. Do not use all capital letters for the title or any part of any authors' names. For the title of the summary, Capitalize the First Letter of Major Words. Author names should be First Name or Initial(s) followed by Last Name.
6. Limit title to ten words; limit listing of authors to three or fewer if possible.
7. The names of all authors should be entered into the Authors page in the EPSR. List the authors in the same order in which their names appear on the summary. The conference program will be derived from the information you enter into the EPSR.
8. In the EPSR, authors' affiliations should match the affiliation provided on the summary itself. If an author has multiple affiliations, enter the ONE that should be included in the program and in the conference TRANSACTIONS, assuming the summary is accepted.
9. Do not use page numbers, headers, or footers. Do not save your PDF as "read only."
10. Keep the bottom margin clear so there is space for the ANS-applied footer and page number.

ABSTRACT FORMAT

- All tracks and sessions at Annual 2026 will accept abstracts for presentation at the conference. Abstracts will NOT be published in TRANSACTIONS.
- Maximum of one page identifying title, authors, affiliations, and three paragraphs (total fewer than 500 words) describing high level content. The abstract template is on the Annual home page. Additionally, please follow these formatting/submittal guidelines:
- Do not use all capital letters for the title or any part of any authors' names. For the title of the abstract,
- Capitalize the First Letter of Major Words. Author names should be First Name or Initial(s) followed by Last Name.
- The names of all authors should be entered into the Authors page in the Electronic Paper Submission and
- Review (EPSR) system. List the authors in the same order in which their names appear in the abstract.
- Author information in the conference program is derived from the entries in the EPSR's Authors page.
- In the EPSR, authors' affiliations should match the affiliation provided in the abstract itself. If an author has multiple affiliations, enter the ONE that should be included in the program, assuming the abstract is accepted.
- If accepted, abstracts will result in a 20-minute presentation at the conference.

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.
6. If a disclaimer is required (e.g., related to the author's employer), it is the author's responsibility to include the disclaimer in the summary as either an end-of-summary note (preferred) or footnote. Please ensure such footnotes do not interfere with the bottom margin, and do not format disclaimers as headers or footers.

EXECUTIVE SESSIONS

Would you like to propose and arrange an Executive Session? If so, email the email the Director of Conferences at ddolecki@ans.org. Executive Sessions take a broader look at developments in nuclear science and technology and their impact on policy and markets.

SESSION TITLES BY DIVISION

(P) = Panel

1. ACCELERATOR APPLICATIONS (AAD)

- 1a. Accelerator Applications: General

2. AEROSPACE NUCLEAR SCIENCE AND TECHNOLOGY (ANSTD)

- 2a. Aerospace Nuclear Science and Technology: General
- 2b. Space Reactor Technology (P)

3. DECOMMISSIONING AND ENVIRONMENTAL SCIENCES (DESD)

- 3a. Decommissioning and Environmental Sciences: General

4. EDUCATION, TRAINING, AND WORKFORCE DEVELOPMENT (ETWDD)

- 4a. Innovations in Nuclear Curricula
- 4b. Training Human Performance, and Workforce Development
- 4c. Education, Training, and Workforce Development: General
- 4d. DOE NEUP Distinguished Early Career Program (P)

5. FUEL CYCLE AND WASTE MANAGEMENT (FCWMD)

- 5a. Technical Aspects of HALEU Production and HALEU-based Fuel Fabrication (P)
- 5b. Advances in Collaboration Based Siting
- 5c. Scientific and Technical Advances in SNF Storage and Transportation
- 5d. Innovative Methods in SNF Disposal Research and Development
- 5e. Fuel Cycle and Waste Management Applications of Automation and Artificial Intelligence (AI) / Machine Learning (ML)
- 5f. Advances in the Application of Digital Twins in the Fuel Cycle and Waste Management
- 5g. Advances in Fuel Recycle
- 5h. Molten Salt Fuel Chemistry
- 5i. University Research in Fuel Cycle and Waste Management
- 5j. Applications of Electrochemistry in Molten Salt Systems
- 5k. New Generation Fuel for Lifecycle Solutions (P)
- 5l. Fuel Cycle and Waste Management: General
- 5m. Fuel Cycle and Waste Management: Lightning Talks

6. FUSION ENERGY (FED)

See TOFE embedded conference.

7. HUMAN FACTORS, INSTRUMENTATION, AND CONTROLS (HFICD)

- 7a. Advances in Sensors and Instrumentation
- 7b. Advances in Human Factors Engineering
- 7c. Autonomous Control for Nuclear Plants
- 7d. Artificial Intelligence and Large Language Models for Nuclear Applications
- 7e. Cybersecurity in Wireless Technologies, Digital I&C, Digital Twins, and Human Factors Considerations

7. HUMAN FACTORS, INSTRUMENTATION, AND CONTROLS (HFICD) CONTINUED

- 7f. Digital Twins and their Applications
- 7g. Embedded Sensors and Additive Manufacturing for Nuclear Applications
- 7h. Human Reliability Analysis and Human-System Interface
- 7i. I&C Regulations, Standards, Aging Management, and Guidelines
- 7j. I&C for Space Application of Nuclear
- 7k. SMR and Advanced Reactor I&C and Human Factors
- 7l. Advanced Sensors for SMR High Temperature High Radiation Requirements
- 7m. Online Monitoring, Diagnostics, and Prognostics
- 7n. Risk-informed Operation and Control
- 7o. Robotic and Drone Applications in Operation and Maintenance
- 7p. Remote Operation and Monitoring of Nuclear Plants
- 7q. Structural Health Monitoring for Nuclear Power
- 7r. Lessons Learned from R&D Concepts in Action in Nuclear Plants (P)
- 7s. V&V, Benchmarking, and Regulation of AI for Nuclear (P)
- 7t. Consideration for AI Deployment in Nuclear (P)
- 7u. Human Factors, Instrumentation, and Controls: General

8. ISOTOPES AND RADIATION (IRD)

- 8a. Isotopes and Radiation: General

9. MATERIALS SCIENCE AND TECHNOLOGY (MSTD)

See Nuclear Fuels & Materials embedded conference.

10. MATHEMATICS AND COMPUTATION (MCD)

- 10a. Transport Methods
- 10b. Computational Methods and Mathematical Modeling
- 10c. Uncertainty Quantification, Sensitivity Analysis, and Machine Learning
- 10d. Mathematics and Computation: General

11. NUCLEAR CRITICALITY SAFETY (NCS)

- 11a. Data, Analysis and Operations in Nuclear Criticality Safety
- 11b. ANS 8 Standards Forum (P)
- 11c. Sharing of Good Industry Practices and/or Lessons Learned in NCS (P)
- 11d. NCS 2025: Highlights and Best Papers
- 11e. Progress of Nuclear Criticality Safety Programs for New Facilities (P)
- 11f. CAAS and Emergency Response Issues
- 11g. Development and Use of the ANS 8.28 Standard (P)

12. NUCLEAR INSTALLATIONS SAFETY (NISD)

- 12a. Nuclear Installations Safety: General

13. NUCLEAR NONPROLIFERATION POLICY (NNPD)

- 13a. Nuclear Nonproliferation Policy: General
- 13b. Nuclear Nonproliferation in a Changing Global Fuel Cycle

14. OPERATIONS AND POWER (OPD)

- 14a. Operations and Power: General
- 14b. Advanced Nuclear Reactors and Power Systems
- 14c. Energy Storage Integration with Nuclear Power Plants
- 14d. Hybrid and Integrated Energy Systems
- 14e. Nuclear Energy Markets, Financing, and Economics

15. RADIATION PROTECTION AND SHIELDING (RPSD)

- 15a. Computational Tools for Radiation Protection and Shielding
- 15b. Radiation Protection and Shielding: General
- 15c. Innovative Approaches in Activation Analyses and Handling in Reactor and Accelerator Facilities

16. REACTOR PHYSICS (RPD)

- 16a. Reactor Analysis: General
- 16b. Reactor Physics Method
- 16c. Sensitivity Analysis and Uncertainty Quantification
- 16d. Advanced Reactor Analysis
- 16e. SMR and Micro-Reactor Analysis
- 16f. Multiphysics Modeling and Simulation
- 16g. Lessons Learned from MARVEL Reactor Fabrication (P)

17. ROBOTICS AND REMOTE SYSTEMS (RRSD)

- 17a. Robotics and Remote Systems: General
- 17b. Robotics in Extreme Environments (P)
- 17c. Enabling Robotics with Digital Twins in Nuclear Cleanup and Operations

18. THERMAL HYDRAULICS (THD)

- 18a. Thermal Hydraulics: General
- 18b. Advanced Reactor Thermal Hydraulics
- 18c. Experimental Thermal Hydraulics
- 18d. Experimental Multiphase Flow
- 18e. Computational Thermal Hydraulics
- 18f. Computational Multiphase Flow
- 18g. AI / ML Applications for Thermal Hydraulics
- 18h. Thermal Hydraulics Challenges in Maritime Applications
- 18i. Fluid-Structure Interactions in Flow Stratification
- 18j. Flow Induced Vibrations
- 18k. Multiphase Modeling in Molten Salt Reactors
- 18l. Strengthening the Role of Thermal Hydraulics for Future Nuclear Engineers: Retaining Talent (P)
- 18m. Upcoming Advanced Reactor Demonstrations (P)
- 18n. Thermal Hydraulics for LWR High Burnup Fuel and Extended Operation (P)
- 18o. Thermal Hydraulics of Energy Storage Systems (P)
- 18p. High Temperature Test Facility Thermal Hydraulics Benchmark

19. YOUNG MEMBERS GROUP (YMG)

- 19a. Advancing the Nuclear Career through Continuous Education (P)
- 19b. Global Nuclear Career Opportunities (P)
- 19c. Building the Nuclear Workforce for Advanced Reactors (P)
- 19d. Mentorship and Peer Support Across Diverse Nuclear Careers (P)
- 19e. Pitch Your PhD Thesis
- 19f. Rad Talk

TECHNICAL DIVISION LEADERSHIP

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