

ANS CALL FOR PAPERS

The Global EPSR
will open for submission
on August 25th, 2025.

SUBMIT AN ABSTRACT

[https://www.ans.org/meetings/
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PROGRAM SPECIALIST

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Global 2026: *Deploying Sustainable Nuclear Fuel Cycles*

August 16-20, 2026 | Chicago, IL | Westin Chicago River North

EXECUTIVE CHAIRS

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ABSTRACT DEADLINE: OCTOBER 31, 2025

SUBMISSION OF ABSTRACTS
OCTOBER 31, 2025
NO EXTENSIONS

**AUTHOR NOTIFICATION OF
ACCEPTANCE (ABSTRACTS)**
DECEMBER 8, 2025

**SUBMISSION OF FULL
PAPERS**
FEBRUARY 13, 2026

**AUTHOR NOTIFICATION OF
ACCEPTANCE (FULL PAPERS)**
MARCH 23, 2026

**CAMERA READY
PAPERS**
APRIL 13, 2026

CONFERENCE PURPOSE

Global is a series of international conferences covering whole aspects of nuclear technology including the front end and back end of the fuel cycle and reactor systems.

The conference is a forum for the discussion of the scientific, technical, social, and regulatory aspects of the nuclear fuel cycle. Topics include advanced nuclear fuel cycles, advanced reactors, novel uses of nuclear technology, fuel and waste management, safety, safeguards and nonproliferation, security (both physical and cyber), economics, institutional and legal aspects, consent-based siting, environmental remediation and decommissioning, and workforce training. The conference will appeal to an international audience as an opportunity to share information across programmatic, disciplinary, and international boundaries. Intended participants and audiences include personnel working on all aspects of the nuclear fuel cycle. The theme of the 2026 Global Conference is "Deploying Sustainable Nuclear Fuel Cycles." With the many new developments in nuclear over the past decade, we look forward to an exciting and productive event!

ABSTRACT GUIDELINES

Maximum of one page identifying title, authors, affiliations, and three paragraphs (total fewer than 500 words) describing the key concepts of the paper. A wide range of topic areas are highlighted on p. 2. The abstract template is on the Global web 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 and subsequent paper are accepted.

FULL PAPER SUBMISSION

Authors of accepted abstracts will be invited to submit full papers that are 3-10 pages in length. Full papers must describe work that is new, significant, and relevant to the conference. The limit for full-paper submissions is 10 pages. If a paper over 10 pages is accepted, page charges are \$100/page for p. 11 and above. Authors of accepted papers must agree to register and attend the conference and present their papers. Papers that are not presented in person at the conference will not appear in the final conference publication.

SUBMISSION TOPICS

The list of topics below is meant as guidance for areas of particular interest. Abstracts and papers in areas not specifically mentioned but part of the conference scope are also encouraged. Contributions from international, next-generation experts, national laboratories, university communities and industrial organizations are highly encouraged.

1. GLOBAL UTILIZATION OF NUCLEAR ENERGY

- 1a. Sustainability of Nuclear Energy Systems
- 1b. Energy Drivers
- 1c. Fuel Cycle Strategies and Approaches
- 1d. Supply Chain
- 1e. Licensing & Standards
- 1f. International Collaboration and Research
- 1g. Social Issues, Public Acceptance, Policy
- 1h. Legacy and Remediation

2. FRONT END FUEL CYCLE TECHNOLOGIES

- 2a. Uranium Resources
- 2b. Conversion
- 2c. Enrichment of LEU and HALEU
- 2d. Deconversion to Oxide and Metal
- 2e. Fuel Fabrication (oxide, nitride, ATF, metallic, TRISO, etc.)
- 2f. Molten Salt Fuels
- 2g. Co-location of Fuel Cycle Facilities
- 2h. Fuel Transportation

3. EXISTING FLEET (E.G. LWR, AGR, CANDU, ETC.)

- 3a. Advancements in LWRs (e.g., accident tolerant fuel)
- 3b. Life Extensions and Restarts
- 3c. Decommissioning

4. ADVANCED REACTORS

- 4a. LWR-type SMRs
- 4b. Advanced (Gen-IV) Reactors
- 4c. Microreactors, Transportable, and Mobile Reactors
- 4d. Research and Test Reactors
- 4e. Maritime Applications
- 4f. Non-Electric Applications/Process Heat/Hydrogen Generation
- 4g. SMR/Microreactor Manufacturing Facilities
- 4h. Space Nuclear

5. REPROCESSING AND FUEL CONDITIONING

- 5a. Aqueous Reprocessing
- 5b. Pyroprocessing
- 5c. Alternative and Novel Reprocessing Technologies
- 5d. Advanced Reactor Fuel Conditioning
- 5e. Molten Salt Processing
- 5f. TRISO Processing

6. WASTE MANAGEMENT

- 6a. Interim Storage
- 6b. Waste Transportation
- 6c. Permanent Disposal

7. SAFEGUARDS, SECURITY, AND NONPROLIFERATION

- 7a. Domestic Material Control and Accounting
- 7b. International Safeguards
- 7c. Security (Physical/Cyber)
- 7d. Nonproliferation and Proliferation Risk Reduction
- 7e. Safety, Security, and Safeguards by Design
- 7f. Export Control

8. HUMAN CAPITAL DEVELOPMENT

- 8a. Knowledge Management
- 8b. Talent Development & Retention
- 8c. Education