



Advances in Nuclear Nonproliferation Technology and Policy Conference (ANTPC 2023)

EMBEDDED IN THE 2023 ANS WINTER MEETING AND TECHNOLOGY EXPO

November 12–15, 2023 | Washington, DC | Washington Hilton

CALL FOR ABSTRACTS

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IMPORTANT DATES

JUNE		SUBMISSION OF ABSTRACTS: Monday, June 26, 2023
JULY		AUTHOR NOTIFICATION OF ACCEPTANCE: Wednesday, July 19, 2023
AUGUST		REVISED ABSTRACTS DUE: Wednesday, August 2, 2023

FORMAT

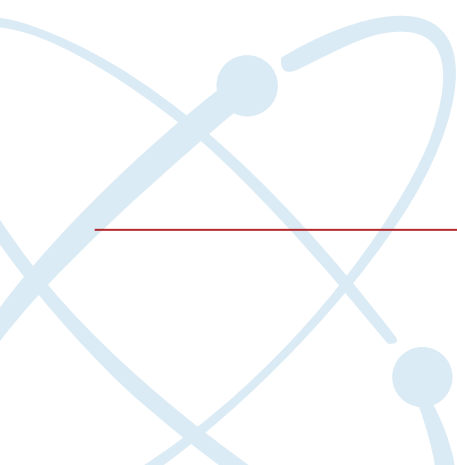
Authors are required to use the Abstract Template provided on the ANTPC website ans.org/meetings/antpc2023/. Abstracts must be submitted electronically in Adobe Acrobat (PDF) format via the ANS Electronic Paper Submission and Review System (see link below). Abstracts not based on the template will be rejected.

GUIDELINES

Submit your abstract to one of the technical sessions listed on p. 2 of this Call for Abstracts. ANS will publish all accepted and presented abstracts in the conference's proceedings. Abstracts are presented orally at the meeting, and presenters are expected to register for the meeting. Non-U.S. attendees requesting a Visa invitation letter: registrar@ans.org. Full papers based on an abstract may be published elsewhere, but an abstract or full paper should not be published in any other publication before presentation at the ANS meeting. It is the author's responsibility to protect classified, export-controlled, or proprietary information.

SUBMIT AN ABSTRACT
epsr.ans.org/meeting/?m=403

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SUBJECT CATEGORIES FOR ABSTRACTS

1. NUCLEAR MATERIAL PROTECTION AND CONTROL

- 1a. Security and Physical Protection
- 1b. Cybersecurity of Nuclear Facilities
- 1c. Interfaces with Nuclear Safeguards
- 1d. Conversion of Civilian Facilities to non-HEU Technologies
- 1e. Role of Nuclear Forensics in Nuclear Material out of Regulatory Control
- 1f. Nuclear Security Culture

2. NUCLEAR MATERIAL ACCOUNTANCY METHODS

- 2a. Nondestructive and Destructive Assay Methods
- 2b. Nuclear Safeguards Monitoring for Verification

3. NUCLEAR NONPROLIFERATION POLICY

- 3a. The Treaty on the Nonproliferation of Nuclear Weapons (NPT) Review Conference
- 3b. Small Quantity Protocol
- 3c. Proliferation Resistance and Risk Implications
- 3d. Nuclear Arms Control
- 3e. Export Control and Nonproliferation Challenges of Technology Exports
- 3f. Nuclear Cooperation Agreement

4. ANALYSIS AND MODELING METHODS IN NONPROLIFERATION

- 4a. Computer Codes and its Applications
- 4b. Data Science Methods
- 4c. Validation and Verification Methods
- 4d. Sensitivity and Uncertainty Analysis
- 4e. Nuclear Data Enhancements

5. NUCLEAR NONPROLIFERATION CHALLENGES AND THE FUEL CYCLE

- 5a. Safeguards Approaches for Advanced Nuclear Reactors
- 5b. Safeguards by Design
- 5c. Safeguards Technology Advancements
- 5d. Nonproliferation in Nuclear Fusion

6. HUMAN CAPACITY BUILDING IN NUCLEAR NONPROLIFERATION

- 6a. University Curriculum Development and Research Initiatives
- 6b. International Training and Education
- 6c. Workforce Development

