



Nuclear Criticality Safety Division 2025 Conference (NCS D 2025)

Many Missions, One Goal: Collaborating for a Safer Tomorrow

September 14–18, 2025 | Austin, TX | AT&T Conference Center

CALL FOR PAPERS

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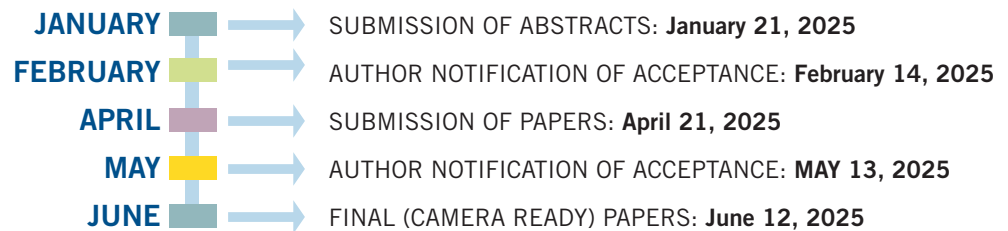
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IMPORTANT DUE DATES



ABOUT THE CONFERENCE

The Nuclear Criticality Safety Division 2025 Conference bridges the four-year gap between successive International Conferences on Nuclear Criticality Safety (ICNC) and provides a forum for exchange among technical disciplines that impact criticality safety, including operational criticality safety, experimental criticality safety, nuclear data, and radiation transport code development. The theme of NCS D 2025 is **Many Missions, One Goal: Collaborating for a Safer Tomorrow**. At this conference, the top minds from the broad NCS community meet to collaborate on new developments in the field and discuss ideas on how to improve the industry for the next generation. From dedicated session tracks like STACY Refurbishment and Restart, to exciting workshops on Plutonium Chemistry, the NCS D conference has opportunities for any and every member of our community.

ABSTRACT GUIDELINES

Participants who would like to present at NCS D 2025 may submit either full papers (6-10 pages) for standard-length presentations or summary papers (1-4 pages) for 10-minute Lightning Talks. Lightning Talks are highly encouraged for junior members of the NCS D community. Participants who would like to submit either a full paper or summary must first submit an abstract to the Electronic Paper Submission and Review (EPSR) portal for review by the Technical Program Committee.

The abstract must have a maximum of one page identifying title, authors, and affiliations, with up to one figure or table, describing the key concepts of the paper. A wide range of topic areas are highlighted under Technical Tracks on p. 2. The abstract template is on the NCS D 2025 conference [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 EPSR portal. 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 on 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.
- Choose, during submission, which Track (as listed on p. 2) corresponds best to your abstract. If unsure of your Track, choose one most closely related and members of the Technical Program Committee will adjust as necessary and notify the author(s).
- Choose, during submission, whether the abstract corresponds to a Full Paper (i.e., standard-length presentation) or a Summary Paper (i.e., Lightning Talk).

Notification of abstract approval and rejection and any associated comments will be provided to authors by February 14, 2025. Following abstract approval, authors will submit the final draft of their full paper or summary via the EPSR portal to the same location (i.e., track and sub-bullet) unless otherwise instructed.

Authors will be notified by May 13, 2025 about their acceptance decision. Authors of accepted papers must agree to register and attend the conference and present their papers. Papers or summaries that are not presented at the conference will not appear in the final conference publication.

PAGE CHARGES

All full papers, for standard-length presentations, are limited to 10 pages. If an exception is made and a paper over 10 pages is accepted, there will be a page charge of \$100 per page starting with p. 11. Summaries for Lightning Talks that exceed four pages will be rejected. If an exception is made and a summary over four pages is accepted, page charges are \$100 per page for p. 5 and above.

SUBMIT AN ABSTRACT

<https://epsr.ans.org/meeting/?m=436>

PROGRAM SPECIALIST

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TECHNICAL TRACKS

1. **SPECIAL TRACK: MANY MISSIONS, ONE GOAL:
COLLABORATING FOR A SAFER TOMORROW**

Track Lead: Brittany Williamson

Track Co-Leads: JAEA, Satoshi Gunji

1a. Special Session: STACY Refurbishment and Restart

1b. Special Session: Spotlight on Collaborative Opportunities

2. **COMPARISON OF ANSI AND ISO STANDARDS**

Track Lead: Amy Van Der Vyver

Track Co-Lead: John Miller

3. **CODES AND CALCULATIONAL METHODS**

Track Lead: Travis Greene

Track Co-Lead: Michael Rising

4. **NUCLEAR DATA**

Track Lead: Noah Andrew Kleedtke

Track Co-Lead: Mathieu Dupont

5. **MEASUREMENTS, EXPERIMENTS, AND BENCHMARKS**

Track Lead: Rowdy Davis

Track Co-Lead: Jesson Hutchinson

6. **CRITICALITY ACCIDENTS, DETECTION, AND INCIDENTS**

Track Lead: Aaron Tamashiro

Track Co-Lead: John Bess

7. **FUEL MANAGEMENT, STORAGE, TRANSPORTATION, AND DISPOSAL**

Track Lead: Kim Coggins

Track Co-Lead: Luiz Leal

8. **OPERATIONAL PRACTICES AND INTERFACING**

Track Lead: Shauntay Coleman

Track Co-Lead: Darwin Damba

9. **PROFESSIONAL DEVELOPMENT, KNOWLEDGE TRANSFER, AND TRAINING**

Track Lead: James Cole

Track Co-Lead: Deborah Hill

10. **FUTURE CHALLENGES IN NCS**

Track Lead: Ashley Raster

Track Co-Lead: Catherine Percher

JOURNAL PUBLICATION OPPORTUNITY

NCS 2025 has partnered with the ANS journal *Nuclear Science and Engineering* (NSE), the first and oldest peer-reviewed journal in our field, to publish a special issue of journal papers. Full papers submitted to the conference may be published in a special edition of the NSE journal. This publication is optional at the request of the submitter. Your journal paper should be derived from your conference paper but must be updated to include final results and a full description of the methods/technology. There are no page limits for this version of your paper. There are no publication fees for standard publication; however, open access is available for a fee. Your journal paper will go through additional peer review by NSE following the conference; this invitation is not a guarantee of acceptance.