



Radiation Protection and Shielding Division 2024 (RPSD 2024)

Embedded in the 2024 ANS Winter Conference and Expo

November 17–21, 2024 | Orlando, FL | Renaissance Orlando at SeaWorld

CALL FOR PAPERS

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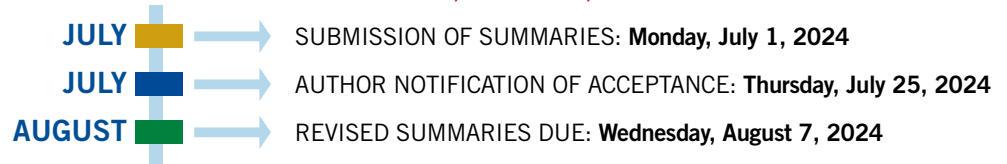
Michael Reichenberger (INL)

Mathieu Dupont (ORNL)

Sponsorship Chair

Irina Popova (ORNL)

SUMMARY DEADLINE: MONDAY, JULY 1, 2024



ABOUT THE CONFERENCE

Our conference vision is to ensure attendees leave with renewed interest in their field of expertise by exposing them to new tools and methods that make them more effective, showing them the value of membership in the RPSD communities and providing an enjoyable destination for the conference. We hope to provide an environment for tool developers, code users, theoreticians, and experimentalists to engage in productive discussions, establish collaborations, and build community in the foreground of scientific advancements and challenges in radiation protection and shielding. Through the planned technical sessions, workshops, plenary talks, and social events, we hope to provide an environment that is ideal for participants to engage in productive technical discussions, establish collaborations, and build community.

Several workshops are tentatively planned: 1) GEANT, 2) MCNP6.3 Features and Tools for RPSD Applications and 3) MCNP6.3 Unstructured Mesh Geometry SCA

FORMAT

We are soliciting one- to four-page summaries in the format of ANS Transactions summaries. Templates and guidelines are available at www.ans.org/pubs/transactions/. Summaries not formatted according to the template will be rejected. Summaries exceeding four pages will be rejected. If an exception is made and a summary over four pages is accepted, page charges are \$100/page for p. 5 and above. Accepted summaries will be published in the conference proceedings. Your paper should be submitted in PDF format.

- Do not include headers, footers, page numbers, bookmarks, text highlighting, or hyperlinks to references, figures, and tables in the text of your paper or summary in your final PDF document. Do not save your document as “read only.”
 - For the title of the paper or summary, Capitalize the First Letter of Major Words; do not use all capital letters.
 - Do not use all capital letters for any part of any author’s name.
 - Enter the names of all authors into the Authors page in the EPSR. List the authors in the same order in which their names appear on the paper or summary. Authors’ affiliations should match the affiliation provided on the paper or summary itself. If an author has multiple affiliations, enter the one that should be included in the program and in the meeting proceedings.
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SUBMIT A SUMMARY

<https://epsr.ans.org/meeting/?m=397>

PROGRAM SPECIALIST

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TOPICS OF INTEREST

1. RADIATION SHIELDING
 2. VISUALIZATIONS AND MACHINE LEARNING
 3. DETERMINISTIC METHODS
 4. MONTE CARLO METHODS
 5. HYBRID METHODS
 6. DETECTION AND MEASUREMENT
 7. DOSIMETRY, ACTIVATION MEASUREMENTS, AND ANALYSIS
 8. EXPERIMENTAL VALIDATION
 9. NUCLEAR DATA, UNCERTAINTY QUANTIFICATION, AND SENSITIVITY ANALYSIS
 10. FISSION AND FUSION FACILITIES
 11. ACCELERATOR FACILITIES
 12. HEALTH AND MEDICAL PHYSICS AND MEDICAL FACILITIES
 13. FUEL CYCLE AND WASTE MANAGEMENT FACILITIES
 14. DECOMMISSIONING
 15. NONPROLIFERATION AND NUCLEAR SECURITY APPLICATIONS
 16. SPACE APPLICATIONS
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GUIDELINES FOR SUMMARIES

Please submit summaries describing work that is new, significant, and relevant to the nuclear industry. ANS will publish all accepted and presented summaries in the conference proceedings. Summaries 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 RPSD 2024. 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 at the bottom of p. 1 of this Call for Papers.

JOURNAL COLLABORATION

All authors with a final accepted RPSD conference paper will be welcome to also submit a full-length journal article for a special issue of *Nuclear Science and Engineering*. The journal article will then go through a separate independent review to be accepted in the special issue of the journal.