ICRS 14/RPSD-2021

14th International Conference on Radiation Shielding and 21st Topical Meeting of the Radiation Protection and Shielding Division

September 12-16, 2021 | Seattle, WA, USA | Seattle Marriott Waterfront

CALL FOR PAPERS

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Kathryn Bales (UT-San Antonio)

SUMMARY DEADLINE: MONDAY, MARCH 15, 2021

MARCH → SUBMISSION OF SUMMARIES: **Monday, March 15, 2021**
MARCH → FIRST REVIEW COMPLETED: **Monday, March 29, 2021**
APRIL → REVISED PAPERS DUE: **Friday, April 16, 2021**
MAY → AUTHOR NOTIFICATION OF ACCEPTANCE: **Friday, April 30, 2021**

ABOUT THE MEETING

We are proud to follow in the long tradition of joint RPSD-ICRS meetings and hope to achieve the success of the last meeting in Paris (2016). Our meeting vision is to ensure attendees leave with renewed interest in their field of expertise by exposing them to new tools that make them more effective, showing them the value of membership in the RPSD and ICRS communities, and providing an enjoyable destination for the meeting. 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.

PROPOSED WORKSHOPS

- MCNP® version 6.2 Open Lab
- NJOY
- Exnihilo (Denovo/Shift)
- Proton Therapy
- Attila4MC
- PHITS
- ITS/SCEPTER
- Uncertainty Quantification
- MCNP6 associated packages ISC, MCNPTools, and DRiFT
- ADVANTG

PROPOSED SPECIAL SESSIONS

- Radiation Protection and Shielding Applications for Pulsed Reactors
- Radiation Shielding and Dosimetry for Criticality Safety
- CAD to MCNP Methods
- Nanomaterial Shielding
- Applications of Machine Learning
- Radiation Protection for Ionizing Radiation Generated from High-Intensity Laser Facilities
- Latest Results from RERF Using State-of-the-Art Phantoms
- Propose your idea for a special session to the conference organizers
- Shielding Benchmarks including SINBAD and ICSBEP
- Fukushima Nine Years Later

LOCATION: SEATTLE MARRIOTT WATERFRONT

- Seattle Aquarium
- Pike Street Market
- Space Needle
- Museum of History and Industry
- Pacific Science Center
- Museum of Pop Culture
- All within a mile of the hotel

SUBMIT A SUMMARY

https://www.ans.org/meetings/view-354/

PROGRAM SPECIALIST

Janet Davis
708-579-8253
jdavis@ans.org

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TOPICS OF INTEREST

TRACK 1: RADIATION SHIELDING
TRACK 2: HEALTH PHYSICS
TRACK 3: DOSIMETRY
TRACK 4: DETECTION AND MEASUREMENT
TRACK 5: UNCERTAINTY QUANTIFICATION AND SENSITIVITY ANALYSIS
TRACK 6: NUCLEAR AND ATOMIC DATA
TRACK 7: SPACE APPLICATIONS
TRACK 8: MONTE CARLO METHODS
TRACK 9: DETERMINISTIC METHODS
TRACK 10: HYBRID METHODS
TRACK 11: EXPERIMENTAL VALIDATION
TRACK 12: REACTOR FACILITIES
TRACK 13: ACCELERATOR FACILITIES
TRACK 14: MEDICAL FACILITIES
TRACK 15: FUSION FACILITIES
TRACK 16: FUEL CYCLE AND WASTE MANAGEMENT FACILITIES
TRACK 17: MEDICAL PHYSICS
TRACK 18: ACTIVATION MEASUREMENT AND ANALYSIS
TRACK 19: DECOMMISSIONING
TRACK 20: NONPROLIFERATION AND NUCLEAR SECURITY APPLICATIONS

GUIDELINES

Submit summaries describing work that is of value to the nuclear industry. All accepted summaries will be published in the Proceedings of the Topical. Summaries are presented orally at the meeting, and presenters are expected to register for the meeting. Completed summaries may be published elsewhere, but the summaries become the property of ANS. Under no circumstances should a summary be published in any other publication prior to presentation at the ANS meeting. An ANS copyright form is required for all summaries and posters.

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. Accepted summaries will be published in the Proceedings of the Topical.

POSTERS

Authors desiring a poster presentation must also submit a summary in the proper format as described above.

JOURNAL COLLABORATION

We will invite some authors to submit a full-length journal article for a special issue of Nuclear Science and Engineering.

MEETING ORGANIZING COMMITTEE

Exhibits and Sponsorship Chair
Bernadette Kirk (ORNL, ret.)

Workshop Chair
Joel Risner (ORNL)

