

PSA 2023 STUDENT COMPETITIONS

Students are invited to participate in two student competitions at the 18th International Topical Meeting on Probabilistic Safety Assessment and Analysis (PSA 2023), a worldwide forum for communication of major probabilistic risk and safety topics, including issues, methods, applications, insights, policy, research, and risk-informed regulation experience. This competition is sponsored by the American Nuclear Society's Nuclear Installations Safety Division.

1. The PSA 2023 Best Student Paper Award

The **PSA 2023 Best Student Paper Award** will be presented to the author of the best paper that is primarily written and presented by a student. The award will be announced at the conference banquet on July 18, 2023. A certificate and cash prize will be presented.

Competition Process and Criteria

This is a two-stage competition. A panel of judges will review and nominate four (4) student papers based on submissions in the EPSR system as of April 26, 2023. The primary authors (i.e., finalists) of nominated papers and their advisors will be notified by May 8, 2023. The finalists will present their papers in person at a special session entitled "PSA Student Paper Competition," to be held on July 17 or 18, 2023. Both the paper and the oral presentation will be evaluated on technical quality, research novelty and impact, and problem-solving and communication skills. The presentation will also be judged on timing and ability to answer questions. The weights are determined by the judging panel.

Eligibility Requirements

The primary author/presenter must be an undergraduate or graduate student enrolled in a university program at the time of paper submission. *The majority of work presented in the paper should be attributable to the lead student author.* This statement is required in the student advisor's confirmation email, as described below. Only papers submitted to PSA 2023 will be considered. Multiple submissions are allowed if they meet the requirements.

How to Participate?

1. On or before **April 26, 2023**, student primary authors who wish to participate in the competition must **designate their student status** in the PSA [EPSR](#) system.

How to Designate Student Status?

- (1) Click My Revised Full Papers at top of left-hand navigation bar in EPSR
- (2) Click on paper title under My Revised Full Papers
- (3) Click Authors from yellow navigation box on the right
- (4) Click on author's name
- (5) On Edit Author page, choose Yes/No in Student field on second line, to the far right
- (6) Click Update Author at bottom right of Edit Author page

AND

2. On or before **May 5, 2023**, the student's advisor must email the conference Publication Chair Mihai A. Diaconeasa (madiacon@ncsu.edu) to confirm the student's enrollment status and contribution to the paper (see *Eligibility Requirements*).

Contact

For questions and inquiry, please email the competition organizers:

Xingang Zhao (zhaox2@ornl.gov) and Mihai A. Diaconeasa (madiacon@ncsu.edu)

2. The PSA 2023 Student Research Lightning Round

The **PSA 2023 Student Research Lightning Round Winner** will be presented to a student who best presents their research in exactly one slide and three minutes. Two awards will be given: one to a graduate student and one to an undergraduate student (if undergraduate participation is too low to merit a separate category, undergraduates and first-year graduate students will be grouped into an “early-stage” category).

Competition Process and Criteria

In this special session, participants will explain their scholarly research in exactly one slide and three minutes (165-195 seconds). Presentations should include information on the research motivation, methods, data, anticipated results, impact, and stakeholders, sponsors, and collaborators). The audience is a technical audience – all researchers focused on various aspects of PSA. A panel of experts will judge the presentations.

Eligibility Requirements

The presenter must be an undergraduate or graduate student enrolled in a university program at the time of presentation. The majority of work presented in the paper should be attributable to the student.

All students registered to attend PSA 2023 are invited to participate. The lightning round talk does not need to be associated with a paper submitted to the PSA conference, but the topic must fall within the domain of PSA. Students are encouraged to present on their capstone, thesis, or dissertation topic at its current stage to help hone presentation skills and advance the visibility of their work.

Interested participants should apply to this opportunity by filling out this Google Form:

<https://forms.gle/922PHrgHvmKgeXjk9>

You will receive a copy of your responses as confirmation that your form has been submitted. If more participants apply than can be accommodated during the session, participants will be selected by the organizers to ensure a diversity of topics and participant backgrounds.

Key submission dates:

- Abstract due by Friday, June 9
- Participant selections confirmation, June 16
- Participants must register for PSA conference by June 23
- Session will be held during PSA 2023 (July 15-20, 2023).

Slide Submission instructions:

- Please submit slides in **both** pdf and native (e.g., PowerPoint (.pptx)) file format. File names must begin with **Lastname_Univ_PSA2023**. For example, Groth_UMD_PSA2023.pptx and Groth_UMD_PSA2023.pdf.
- Slide must be submitted via email. Send an email with your two files attached to: Lightni.0v48z5h06k8v49@u.box.com
- Slides must be received by July 15, 2023.

Contact

For questions and inquiry, please email the competition organizers:

Dr. Vincent Paglioni (paglioni.research@gmail.com) and Dr. Katrina Groth (kgroth@umd.edu)