

Call for Papers

Summaries Due: Aug. 1, 2014 Authors should submit 300 – 600 word summaries in English (in PDF format) via the conference website (www.psa2015.org). The summary should clearly state the objectives, methods, results and conclusions of the paper.

Author Notification: Sept. 15, 2014

Full Papers Due: Nov. 17, 2014

Final Papers Due: Jan. 12, 2015



PSA 2015 – A Forum for Learning

PSA 2015 is the next installment of a biennial international technical forum for discussion of major probabilistic risk and safety topics, including issues, methods, applications, insights, policy, and risk-informed regulation experience. PSA 2015 encompasses traditional applications including reactor and non-reactor nuclear facilities, processing, decontamination and decommissioning, and fuel storage, as well as non-traditional areas where probabilistic safety approaches are applied. Conference sessions will include invited and contributed papers, lectures, tutorials, discussion groups, and classes/workshops.

Conference Contacts:

General Chair: Marty Sattison, Idaho National Laboratory

TPC Chair: Mike Calley, Idaho National Laboratory

TPC Co-Chair: Kohei (Kevin) Hisamochi, Hitachi-GE

TPC Co-Chair: Vinh Dang, Paul Scherrer Institute

Website: www.psa2015.org

Suggested Paper Topics

- Accident Analysis Level 2 & 3
- Advanced Information Technology and PSA
- Advanced Nuclear Systems
- Common Cause Failures
- Computer Codes
- Configuration Risk Management
- Cyber Security/Cyber Risk
- Data and Parameter Estimation
- Digital I&C Safety and Risk Analysis
- Dynamic PSA
- Environmental Safety
- Equipment and Plant Ageing
- Expert Elicitation
- External Events Analysis
- Fire Analysis and NFPA 805
- Flooding PSA
- Fukushima Lessons Learned
- Human Reliability
- Human Factors and Behavioral Sciences
- Low Power and Shutdown PSA
- Next Generation Reactor PSA
- Non-Light Water Reactor Safety
- Non-Nuclear PSA
- Non-Reactors Nuclear Applications
- Modeling and Simulation
- Multi-unit Risk
- Multi-source Risk
- Passive System Safety and Reliability
- Plant Siting Issues
- Power Generation Risk and Reliability
- Proliferation Risk
- PSA Standards
- PSA Peer Reviews
- PSA Training and Education
- Regulatory Activities in PSA
- Risk-Informed Maintenance
- Risk-Informed Plant Security
- Risk-Informed Regulation
- Risk-Informed Decision-making
- Risk Communications
- Safety Culture and Organizational Factors
- Safety Margins and PSA
- Seismic PSA
- Significance Determination Process (SDP)
- Software Reliability and Data
- Spent Fuel Pool and Rad Waste PSA
- Structural Reliability Analysis Methods
- Transportation Risks
- Uncertainty analysis and Modeling
- Waste Management

