

## CALL FOR PAPERS

### 2017 International Topical Meeting on Probabilistic Safety Assessment and Analysis

Pittsburgh, PA, USA · September 24-28, 2017

For almost 40 years, the ANS topical meeting on Probabilistic Safety Assessment has been providing a forum for leaders in the risk assessment community to exchange information, present results from their work, review the state of the industry, and charter future directions and needs for the deployment of a safer and more efficient fleet of nuclear power plant systems around the world. In 2017, the ANS PSA conference returns in Pittsburgh, PA. Probabilistic Safety Assessments have been instrumental in the advancement of safety of the existing fleet on nuclear plants, and have supported the design of new reactor concepts. Risk-informed technologies and applications have made plants more reliable and efficient to run. The evolution of PSA technology and tools in support of the next generation of risk-informed applications and design will be highlighted at this exciting event.

#### Subject Categories:

- Accident Analysis Level 2 and Level 3
- Advanced Information Technology and PSA
- Advanced Nuclear Systems
- Chemical Industry PSA
- Common Cause Failures
- Computer Codes
- Configuration Risk Management
- Cyber Security/Cyber Risk
- Data and Parameter Estimation
- Digital I&C Safety and Risk Analysis
- Drilling Industry PSA
- Dynamic PSA
- Environmental Safety
- Equipment and Plant Aging
- External Events Analysis
- External Flood PSA
- Fire Analysis and NFPA-805
- Fukushima Lessons Learned
- High-Winds PSA
- Human Factors and Behavioral Sciences
- Human Reliability
- Internal Flooding PSA
- Low Power and Shutdown PSA
- Modeling and Simulation
- Next Generation Reactor PSA
- Non-Light Water Reactor Safety
- Non-Nuclear Power Generation PSA
- "Other" External Hazards PSA
- 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 Aggregation
- Risk-Informed Maintenance
- Risk-Informed Plant Security
- Risk-Informed Regulation
- Risk-Informed Decision Making
- Safety Culture and Organizational Factors
- Safety Margins and PSA
- Seismic PSA
- Significance Determination Process
- Small Modular Reactor PSA
- Software Reliability and Data
- Spent Fuel Pool and Radioactive Waste PSA
- Structural Reliability Analysis Methods
- Transportation Risks
- Uncertainty Analysis and Modeling
- Waste Management

## Submission Deadline

- Abstracts Due: 1/9/2017
- Full Papers Due: 4/1/2017
- Final Full Papers to Publisher: 6/14/2017

Full papers of no longer than 10 pages and no more than 10MB must be submitted electronically no later than April 1<sup>st</sup>, 2017, in order to ensure that it is included in the review process. There will be a page charge of \$100.00 per page over 10 pages.

## Author's Organization Approval

- All internal reviews and organizational approvals must be completed prior to submittal.
- It is the responsibility of the author to protect classified and proprietary information.

## Additional Guidance

For additional guidance regarding paper submittal and conference information, please visit the conference website ([www.psa2017.org](http://www.psa2017.org)).