



**International Topical Meeting on Probabilistic Safety Analysis, PSA'05**  
 11-15 September 2005 • Sir Francis Drake Hotel, San Francisco, California, USA  
[www.ans.org/meetings/psa](http://www.ans.org/meetings/psa)

**CALL FOR PAPERS**

The 2005 ANS International Topical Meeting on Probabilistic Safety Analysis (PSA'05) is a major meeting for discussing PSA issues, including methods, applications, and risk-informed regulation for advanced reactors and other nuclear installations. The meeting will not be limited to nuclear applications since the technology developed by the nuclear industry has spread far beyond that limited application. The meeting will present contributed and invited papers, invited speakers, and panel discussions. Readers are reminded of the many recreational opportunities in and around beautiful San Francisco. Papers are solicited in the technical subjects listed. Authors are requested to suggest an appropriate technical subject but there is no requirement that it match one of those listed.

**Paper Selection/Publication**

Authors should submit summaries of between 300 and 600 words in English. The summary should contain: 1) paper title and body, 2) five keywords in order of importance, 3) authors' names, affiliations and full addresses, and 4) name, address, phone/fax numbers, and email address of the author to whom subsequent correspondence should be addressed. The summary should clearly state the objectives, methodology, results and conclusion of the paper. One or two figures or tables may be included to convey the essence of the work being reported; they are not included in the word count. The meeting Proceedings will be issued in CD-ROM format.

**Deadlines**

**January 31, 2005 – Summaries Due**

An electronic copy [Adobe Acrobat (.pdf) or Microsoft Word (.doc)] should be sent to [www.ans.org/meetings/psa](http://www.ans.org/meetings/psa)

**February 28, 2005 – Notification of Acceptance Sent**

**June 1, 2005 – Full Papers Due (in electronic format)**

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 John Garrick  
 bjgarrick@aol.com

**General Chair**  
 Bernard Fourest  
 bernard.fourest@edf.fr

**General Chair**  
 Shunsuke Kondo  
 shunsuke.kondo@op.cao.go.jp

**Honorary Chair**  
 Chauncey Starr  
 cstarr@epri.com

**Associate General Chair**  
 Ian Wall  
 ianwall@alum.mit.com

**SUGGESTED PAPER TOPICS**

**PSA Technology**

- Advanced PSA Technology
- Computer Codes
- Human Reliability Analysis
- Common Cause Failures
- Balance of Plant Modeling

**Institutional Issues**

- Risk Informed Regulation & Licensing
- PSA Standards
- Safety Culture & Organizational Factors

**Spent Fuel & Rad Waste Issues**

- Transportation
- Storage

**Plant Security**

- Risk Informed Plant Security
- Deliberate Plane & Missile Impacts, Explosions

**Public Issues**

- Safety & Risk Perception
- Safety & Risk Communication
- Managing for Safety

**Accident Analysis**

- Level 2/Level 3
- Internal Events
- Natural External Events
- Man-Caused External Events
- Fire

**Operational Issues**

- Configuration Risk Management
- Reliability Centered Maintenance
- Generation Risks (All operating modes)

**Non-Reactor, Non-Nuclear Applications**

- Chemical and other Industrial Applications
- Transportation Risks
- NASA and Space Applications

**Advanced Nuclear Systems**

- Generation IV Reactors
- Heavy-Metal Cooled Reactors
- Pebble Bed Reactors
- ALWR, European Pressurized water Reactor
- Space Reactors

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rkassawa@epri.com

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smith94@llnl.gov

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*San Francisco has  
everything – colorful  
history, eclectic  
neighborhoods, world class  
dining and amazing  
shopping areas –  
it doesn't get any better than  
this!*

