



Issues in Fire Risk Assessment and Management: Addressing the Spectrum from Expected to Extreme Events

December 5-6, 2002

*Astor Crowne Plaza
New Orleans, LA*

Co-Sponsored by:

*Society of Fire Protection
Engineers and the Society
for Risk Analysis (SRA)*

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Risk-informed analysis and design methods and risk-informed regulations are gaining momentum in many regulated areas of society, including building and fire safety. This is especially true in the performance regulatory environment, where performance requirements often have a basis in the levels of risk tolerable to the affected or interested parties, be they the public, building owners and managers, building developers, code developers, code enforcement officials and/or other policy makers.

The theme of this symposium is Addressing the Spectrum from Expected to Extreme Events. **See Program on Back.** The types of questions to be explored include: How are interested and affected parties engaged in risk decisions? What are “good” decision criteria and how are they selected? What are the qualities and components of a “good” comprehensive and integrated risk assessment? How will the fire, building, and design communities handle integrated risk assessment? Who is qualified to conduct or to approve them? Where have good, quantitative, integrated risk assessments been done? What can we learn from them?

Hotel Accommodations: Each participant is responsible for making their own reservations. The Astor Crowne Plaza, 100 Bourbon Street, New Orleans, LA 70130. Phone 1(888) 696-4806. Room rate is \$129 per night. The CUT-OFF DATE for reservations is 4 November 2002. Reservations received after the cut-off date are subject to space and rate availability.

Advance Registration Fees: (Must be received by November 8, 2002)

\$495 SFPE/SRA Member Price \$595 Non-member Price

Late Registration Fees: (Received after November 8, 2002)

\$575 SFPE/SRA Member Price \$695 Non-member Price

Continuing Education Units (CEUs): The Society of Fire Protection Engineers will award 1.60 Continuing Education Units for attending the entire event.

*For more information or to register, visit
www.sfpe.org or contact Julie Gordon at (301) 718-2910.*

Symposium Program

Thursday, December 5, 2002

- 0850 **Welcome and Introduction**
- 0900 *Understanding Risk: Quantification, Perceptions and Characterization*; B. Meacham, Arup Risk Consulting, USA
- 0940 *Activities of the SFPE Engineering Task Group on Fire Risk*; M. Madden, Gage-Babcock & Associates, Inc., USA
- 1020 **Break**
- 1040 *Status of the NFPA Technical Committee on Fire Risk Assessment*; S. Younis, NFPA International, USA
- 1120 *Activities of ISO in Fire Risk Assessment*; J. Hall, NFPA International, USA
- 1200 *Updates to the Fire Risk Analysis Section, SFPE Handbook of Fire Protection Engineering, Third Edition*; J. Watts, Jr., Fire Safety Institute, USA
- 1240 **Lunch**
- 1340 *Using a Hybrid HazOp/FMEA Methodology for Evaluation of Fire Risk Scenarios*; S. Trammell, Motorola, USA
- 1420 *Fire Risk Assessment for Cultural Resources*; J. Watts, Jr., Fire Safety Institute, USA
- 1500 *The Application of 'Simple' Quantified Fire Risk Assessment to the Assessment of Major Transport Infrastructure*; D. Charters, Arup Fire, United Kingdom
- 1540 **Break**
- 1600 *The Most Costly U.S. Fires in the Last Quarter Century*; J. Hall, NFPA International, USA
- 1640 *But What Happens if the Sprinklers Don't Work?*; I. Thomas, Victoria University of Technology, Australia
- 1700 Discussion

Friday, December 6, 2002

- 0850 **Welcome and Introduction**
- 0900 *Use of Risk in Performance-Based Regulation*; C. Coglianese, Harvard University, USA
- 0940 *Swiss National Research Project: "Risk-Based Regulations;"* J. Respondek, Sicherheitsinstitut, Switzerland
- 1020 **Break**
- 1040 *Regulating Fire Risk*; D. Beller, NFPA International, USA
- 1120 *Addressing the Spectrum from Expected to Extreme Events – Development of the Future Building Code in Australia*; B. Ashe, Australian Building Codes Board, Australia
- 1200 **Lunch**
- 1300 *Probabilistic Modeling of Post-Earthquake Fires*; P. LeGrone, Risk Management Solutions, Inc., USA
- 1340 *Probabilistic Aspects of Performance-Based Engineering Methodologies for Fire Earthquakes*; G. Deierlein, Stanford University, USA
- 1420 **Break**
- 1440 *Recent Risk-Related Activities of the NRC Board on Infrastructure and the Constructed Environment*; R. Little, U.S. National Research Council, USA
- 1520 *Challenges in Decision-Making for Fire Risk Problems*; B. Meacham, Arup Risk Consulting, USA
- 1600 *Using CESARE-Risk to Assess the Cost-Effectiveness of Fire Safety Management Decisions*, I. Thomas, Victoria University of Technology, Australia
- 1640 Discussion