



## CALL FOR PAPERS

### American Nuclear Society 8th Topical Meeting Emergency Preparedness & Response

November 18-21, 2002 – Washington, D.C.  
(Embedded in Winter 2002 ANS Meeting)

Summary  
Deadline:  
Wednesday,  
June 26, 2002

#### Meeting/Conference Purpose:

The American Nuclear Society, in cooperation with the U.S. Department of Energy (DOE), U.S. Nuclear Regulatory Commission (NRC), U.S. Environmental Protection Agency (EPA), Federal Emergency Management Agency (FEMA), Defense Threat Reduction Agency (DTRA), and the International Atomic Energy Agency (IAEA) will hold the 8<sup>th</sup> Topical Meeting on Emergency Preparedness & Response. This meeting/conference will focus on technical and programmatic challenges facing the DOE, NRC, EPA, FEMA, DTRA, IAEA, and their contractors, and the commercial nuclear power industry in the first decade of the 21<sup>st</sup> Century. These challenges have been raised to unprecedented levels since the terrorist attacks at New York City and the Pentagon on September 11, 2001. The meeting/conference will provide a forum for key issues in emergency planning, preparedness, response, and safeguards/ security and the opportunity to share operational insights, lessons learned, and solutions to complex issues in the public and private sectors. The technical program will include paper and poster presentations, invited speakers, panel discussions, and training over a four-day schedule as an embedded topical meeting to the Winter 2002 ANS Meeting.

**Co-Sponsors:** Environmental Sciences Division of the ANS, DOE, NRC, EPA, FEMA, and DTRA.

#### General Co-Chairs:

James Fairobent (pending)  
Phone: 202.586.8759  
E-mail: [jim.fairobent@hq.doe.gov](mailto:jim.fairobent@hq.doe.gov)

W. Craig Conklin  
Phone: 202.564.9222  
E-mail: [Conklin.Craig@epamail.epa.gov](mailto:Conklin.Craig@epamail.epa.gov)

#### Technical Program Co-Chairs:

Carl Mazzola, Stone & Webster Inc.  
Phone: 706.650.0939  
E-mail: [carl.mazzola@stoneweb.com](mailto:carl.mazzola@stoneweb.com)

Tom Kevern, ATL International, Inc.  
Phone: 301.415.0224  
E-mail: [tak@nrc.gov](mailto:tak@nrc.gov)

#### Meeting/Conference Paper Summaries and Proceedings:

The Meeting/Conference will publish paper summaries in booklet form available at the meeting, and publish proceedings with full-length refereed papers on CD-ROM, either at, or shortly after the meeting.

#### Submission of Paper Summaries:

Authors are encouraged to submit summaries of papers related to one or more of the Technical Programs and Session Topics listed on the following page. To facilitate adequate technical review, summaries are due no later than June 26, 2002. (Early submittal is appreciated!) The Technical Program Committee (TPC) will notify authors of acceptance/rejection by July 31, 2002. Drafts of accepted full papers are due by electronic submittal for peer review by September 10, 2002. Revised full papers will be due no later than October 3, 2002. Details for preparation of full papers will be supplied with notification of acceptance. Papers are to be presented (oral or poster) at the meeting.

Authors should submit their paper summaries electronically with name, affiliation, address, phone, fax and e-mail information online at [www.ans.org/8epr](http://www.ans.org/8epr). Authors should identify the Technical Topic category number with their submission and presentation preference (i.e., oral or poster). Alternatively, paper submittals may be made via e-mail to either of the Technical Program Co-chairs. If you do not have access to the Internet, or you need written instructions and forms sent to you for paper submission, please contact the Technical Program Co-Chairs.

All summaries must be e-mailed/postmarked by June 26, 2002 to be considered. Under no circumstances should summaries or full papers be published in any other publication prior to presentation at the ANS meeting.

#### Guidelines for Preparing Paper Summaries:

Authors should adhere to the guidelines below or the TPC may have to reject the paper summary. Questions regarding subject categories may be directed to the TPC Co-chairmen. All summaries shall be approved for public release prior to submission.

## **Contents**

- Introduction – clearly state objective; direct reader to purpose of work and define context.
- Description of actual work – must be NEW and SIGNIFICANT.
- Results – provide data or information gained from the study/evaluation and discuss the significance.
- Conclusions and discussions – provide interpretation of results and discussion of relevance.
- References – closely related to work and number minimized. Do not present bibliographical listing.

## **Length**

- Use at least 450 words, excluding tables and figures.
- Use no more than 1000 words, including tables and figures.
- Count tables and figures as 150 words each. Use no more than three (3) tables or figures.
- Limit title to ten words; limit listing of authors to three or fewer, if possible.
- Exclude references from word count.
- Reduce tables and figures to fit one column (7.5 cm) or two columns (15cm). Use lettering that will be at least 1mm high after reduction.

## **Format**

- The preferred software program is Microsoft Word (Windows).
- Summary is to be double-spaced on one side of the paper only.
- Use SI units (english units following in parentheses, if desired). Exceptions are: eV and barns.
- List references numerically at the end of the summary and use superscript numbers in the text.
- You are encouraged to submit your summary electronically.

## **Technical Programs and Session Topics:**

- |  |  |
|--|--|
| <p><b>1.0. Hazardous Materials &amp; Consequence Analyses</b></p> <ul style="list-style-type: none"><li>1.1 Emergency Planning Hazards Assessments – Source Term Issues</li><li>1.2 Emergency Action Levels/Classification Schemes</li><li>1.3 Public Exposure Limits / Guides</li><li>1.4 Hazardous Material Dispersion &amp; Consequence Assessment</li><li>1.5 Radiation/Chemical Field Monitoring/Surveys</li><li>1.6 Meteorological &amp; Environmental Monitoring For Emergency Response</li><li>1.7 Environmental Transport Models for Emergency Applications</li><li>1.8 Complex Terrain Transport &amp; Dispersion Modeling</li></ul> <p><b>2.0 Security Issues &amp; Analyses</b></p> <ul style="list-style-type: none"><li>2.1 Commercial Nuclear Facility Planning/Preparedness</li><li>2.2 Generation IV Reactors Planning/Preparedness</li><li>2.3 Chemical Facility Planning/Preparedness</li><li>2.4 Security Related to Weapons of Mass Destruction</li><li>2.5 Security: Preparedness &amp; Response Countermeasures</li><li>2.6 Toxicological &amp; Radiological Sabotage</li><li>2.7 Security: Federal &amp; Private Sector Responsibilities</li></ul> <p><b>3.0 Infrastructure &amp; Transportation</b></p> <ul style="list-style-type: none"><li>3.1 EPA Risk Management Plans</li><li>3.2 State &amp; Local Community Planning/Preparedness</li><li>3.3 Mass Casualty Event Planning/Preparedness</li></ul> | <ul style="list-style-type: none"><li>3.4 Medical Emergency Response For Chemical/Biological Events</li><li>3.5 Transportation Of Radioactive/Chemical Hazardous Materials</li></ul> <p><b>4.0 Public &amp; Media Relations</b></p> <ul style="list-style-type: none"><li>4.1 Public Information Systems</li><li>4.2 Public and Media Response - Exercises</li><li>4.3 Public and Media Response - Actual Events</li></ul> <p><b>5.0 Commercial Nuclear Facility Programs/Issues</b></p> <ul style="list-style-type: none"><li>5.1 Performance Indicators</li><li>5.2 Regulatory Oversight Process</li><li>5.3 Alert &amp; Notification Systems</li><li>5.4 Lessons Learned – Actual Events &amp; Exercises</li><li>5.5 Decommissioning: Safeguards/Security Issues</li><li>5.6 Offsite Planning/Preparedness Issues</li></ul> <p><b>6.0 National Programs/Issues</b></p> <ul style="list-style-type: none"><li>6.1 National Response Assets</li><li>6.2 Homeland Preparedness – Interagency Coordination</li></ul> <p><b>7.0 International Programs/Issues</b></p> <ul style="list-style-type: none"><li>7.1 RODOS Development and Application</li><li>7.2 Security Preparedness - International Coordination</li></ul> <p><b>8.0 Lessons Learned – Actual Events &amp; Exercises</b></p> <ul style="list-style-type: none"><li>8.1 Federal / State / Local Response Coordination</li><li>8.2 Mass Casualty Event Response</li><li>8.3 Evacuating Densely-Populated Areas</li><li>8.4 Re-entry Criteria &amp; Considerations</li><li>8.5 Long-Term Recovery Issues</li><li>8.6 Robotic Applications For Re-entry &amp; Recovery</li><li>8.7 Communication/Information Management &amp; Analysis/GIS</li><li>8.8 Emergency Management &amp; Assessment Systems</li></ul> |
|--|--|

Additional topics may be added and/or the above may be consolidated per the TPC.