



ANS Call For Papers

Embedded Topical on Decommissioning and Remote Systems

June 15–19, 2014 • Reno, Nevada • Grand Sierra Resort

CONFERENCE PURPOSE

The ANS Topical D&RS Meeting is a forum for the discussion of the social, regulatory, scientific, and technical aspects of decommissioning and remote systems. The 2014 topical program will include commercial, government, and international project updates as well as present project management, technology, and regulatory developments in the areas of decommissioning, waste management, site closure, environmental sciences, and legacy management. The conference will be embedded in the ANS National Meeting for 2014 which will provide technical sessions and opportunities beyond those in the decommissioning and remote systems areas, see http://www.ans.org/meetings/c_1 for more information. Authors will submit a one to four page summary and the Technical Program Committee will select summaries for presentation and publication. Criteria for selection include; originality of work, relevance of topic, validity of method, clarity and conciseness of communication. Completed papers may be published elsewhere, but the summaries become the property of ANS. Under no circumstances should a summary or full paper be published in any other publication prior to presentation at the ANS meeting. It is the author's responsibility to protect classified or proprietary information.

ANTICIPATED TECHNICAL SESSIONS

Decommissioning

- Capturing Best Practices and Other Lessons Learned
- Commercial Nuclear Plants Decommissioning Projects
- Contracts management
- Decommissioning and Decontamination Technology
- DOE Projects
- Dose Modeling/RESRAD/D&D
- Environmental Issues in Decommissioning
- EPA/DoD Projects
- Final Status Survey & Radiation Measurement Technology
- Fukushima - Response, Cleanup, and Recovery
- Groundwater issues Monitoring and remediation
- International Decommissioning
- Long-Term Surveillance and Maintenance of Facilities
- Low Level Radioactive Waste Management
- MARSSIM/Site Release/LTP/FSS
- NORM/UMT/Smaller Non-Reactor Issues/Projects
- Other Innovative technologies and feedback experience
- Project Infrastructure & Regulatory Criteria
- Reactor Accident Clean-up and Recovery
- Records Management
- Regulatory Infrastructure for Technology Development
- Regulatory Infrastructure for Surveillance and Maintenance
- Reutilization of Closed Sites/Facilities
- SAFSTOR, Entombment and Spent Fuel Storage
- Site and building remediation/rehabilitation
- Stakeholder Involvement/Public Relations
- State Regulatory Issues that can Affect Decommissioning
- Waste Management Technology Developments

Remote Systems

- Additive Manufacturing
- Advanced Manufacturing
- Chernobyl
- Construction Systems
- Education and Robotics
- Emergency and Explosive Disposal Robotics
- Fukushima - Remote Applications
- Human Factors Applied to Telerobotics and Teleoperators
- Humanoid Robotics for Hazardous Environments
- Intelligent and Autonomous Robotics
- International Standards for Telerobotics
- Mathematics Related to Robotics and Teleoperators
- Medical, Rehabilitative, and Assistive Robotics
- Micro/Nano Robotics
- Radiation Detection Platforms
- Remote Handling
- Remote Sampling
- Remote Sensing and Robotic Platforms
- Remote Tools and Processes
- Robot and Teleoperator Dynamics and Control
- Robotic and Automation Research Topics
- Robotic D & D
- Robotics and Remote Operations in Hazardous Facilities
- Safeguards and Security Topics
- Surveillance Systems
- Telerobotics
- Underwater Remote Systems
- Unmanned Aerial Vehicles
- Vision Systems

2014 ANS Embedded Topical Meeting on Decommissioning and Remote Systems

IMPORTANT DATES:

SUBMISSION OF SUMMARIES:

October 1, 2013–January 10, 2014

AUTHOR NOTIFICATION OF ACCEPTANCE:

By February 25, 2014

REVISED SUMMARIES DUE:

March 11, 2014

EMBEDDED TOPICAL OFFICIALS

General Chair

Dr. Thomas Sanders, *Associate Laboratory Director for Clean Energy Initiatives, Savannah River National Laboratory*

Technical Program Co-Chair (DES)

Sue Aggarwal, *President, New Millennium Nuclear Technologies International*

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Technical Program Co-Chair (RRS)

Steve Tibrea, *Manager R&D Engineering, Savannah River National Laboratory*

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INSTRUCTIONS FOR AUTHORS

Contributors are invited to submit summaries on the conference topics list. The summary should contain sufficient detail to allow the merit of the paper to be judged. The Technical Program Committee will decide whether the paper will be presented at a technical session or as a poster.

FORMAT

Authors are now REQUIRED to use the ANS Template and "Guidelines for TRANSACTIONS Summary Preparation" provided on the ANS Web site at <http://www.ans.org/pubs/transactions>. Submit summaries electronically to the ANS Electronic Paper Submission and Review System at <http://epsr.ans.org/> in Adobe Acrobat (PDF) or Microsoft Word format. Summaries not based on the ANS Template will be REJECTED.

GUIDELINES FOR SUMMARIES

Please submit summaries describing work that is NEW, SIGNIFICANT, and RELEVANT to the nuclear decommissioning and remote systems industries. ANS will publish all accepted summaries in the Topical Meeting Proceedings for the meeting. Papers are presented either orally or via a poster at the meeting, and presenters are expected to register for the meeting.

CONTENT:

1. Introduction: State the purpose of the work.
2. Description of the actual work: Must be NEW and SIGNIFICANT.
3. Results: Discuss their significance.
4. Appendices: If any, must be called out in the text. Equations, figures, and tables are listed with letters corresponding to each respective appendix.
5. References: If any, must be closely related published works. Minimize the number of references.
6. Do not present a bibliographical listing.

LENGTH:

1. Papers shall be 1 to 4 pages in length
2. Use no more than three tables or figures.
3. Limit title to ten words; limit listing authors to three or fewer if possible.

PAGE CHARGE

ANS charges \$25 per final printed page (prorated) in the Topical Meeting Proceedings. Authors should be prepared to provide their purchase order numbers when submitting their summaries electronically.

WHERE TO SUBMIT A SUMMARY FOR REVIEW

Submit summaries via the ANS website (www.ans.org/meetings). If you experience problems submitting your abstract via the web, please notify Ellen Leitschuh (708-579-8253 - elleitschuh@ans.org).

FINAL SUMMARY PREPARATION FOR PUBLICATION

After the Technical Program Committee reviews the submissions, authors will receive notification of the status of your summaries. Summaries will be included on the proceedings CD, which will be distributed at the beginning of the conference.

FOR MORE INFORMATION CONTACT

Contact Embedded Topical Officials.

ANS DIVISION WEBSITES

<http://ddrd.ans.org>
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