



ANS 2015 International High-Level Radioactive Waste Management Conference

April 12-16, 2015 • Charleston Marriott • Charleston, SC

“Real World Solutions for Achieving Disposal of Used Fuel and HLW through Integrated Management”

CALL FOR PAPERS – Abstract deadline: August 7, 2014

CONFERENCE PURPOSE:

This conference is an international forum for the discussion of the scientific, technical, social and regulatory aspects of the “back end” of the nuclear fuel cycle. These issues include: used fuel and HLW generation, transportation, storage, processing, disposal, and associated aspects (such as facility decontamination and decommissioning, site remediation, regulation and stakeholder involvement). As reflected in this year’s theme, the conference is also intended to counter the popular perception that used fuel and HLW management is an intractable problem by highlighting solutions that are being implemented internationally. This forward looking narrative requires active participation from industry, government, academia, policy-makers, and the interested public. In addition, student participation is strongly encouraged as the conference anticipates special focus on the historical context for the current state of international used fuel and HLW management.

SPONSOR:

Sponsor: American Nuclear Society.

Cooperation is expected from numerous professional and technical societies, national laboratories, federal agencies, and commercial organizations throughout the world.

TECHNICAL PROGRAM CHAIRS:

Andrew Sowder, EPRI

Ruth Weiner, SNL

PAPER ACCEPTANCE CRITERIA:

Papers are expected to contain descriptions of work that is new, significant, and relevant to the conference purposes. Both abstracts and full papers will be reviewed prior to acceptance. Submissions should contain new data and investigations in scientific or program areas that are of general interest, address problems of interdisciplinary significance, or include in-depth discussions of scientific and technical issues related to public-policy questions.

Criteria for selection include originality of work, relevance of topic, validity of method, clarity and conciseness of communication, and adherence to the scientific method (if appropriate). Compliance with content and length guidelines (following) are also part of the acceptance requirements. Both abstracts and full papers must be submitted electronically to www.ans.org/meetings/ihlrwm. Papers may be submitted for oral or poster presentation; papers may be designated for submission to a refereed journal. All submissions must be in English.

Electronic Submissions:

To submit a paper electronically, please refer to the detailed instructions available on the Internet at: www.ans.org/meetings/ihlrwm.

Instructions to authors – Format of abstract for Review:

1. Abstracts must be submitted electronically in ASCII text, HTML, Word, WordPerfect, and/or PDF (Adobe Acrobat) format.
2. Use SI units (with English units following in parenthesis, if desired). Exceptions are made for ev and barns.
3. List references numerically at the end of the abstract, and use numbers in the text, enclosed within brackets.
4. If using the ASCII text of HTML format, please include tables or figures in GIF or JPEG format. Also, please upload your original source document for use in the printed program, if available.

Please note:

- The title of your abstract will be used as the title of your presentation in the preliminary program.
- Authors of accepted papers will be expected to register for the conference. There are no funds available in the conference budget to support travel fees or complimentary conference registration.

Abstract Length:

1. Title Maximum - 10 words.
2. Text Minimum - 250 words.
3. Text Maximum - 500 words.
4. Figures and Tables - One figure and/or table maximum.

Content:

The contents of the abstract must include the objectives of the study/ investigation and the methodology used. It should also briefly describe the main findings and their potential applications. Sufficient information should be included for an independent reviewer to determine its suitability for the conference.

Deadline:

Your abstract must be submitted electronically no later than August 7, 2014, in order to ensure that it is included in the review process.

Author’s Organizational Approval:

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



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Paper Preparation for Publication in Conference Proceedings

Important Information:

- Accepted papers will be included in the CD-ROM Proceedings that will be distributed at the beginning of the conference.
- After the full paper review is completed by the Technical Program Committee, authors of accepted papers will receive information for preparation of final papers in camera-ready format via email.
- Authors of accepted papers will be allowed 8 pages for publication at no charge. Authors who exceed the 8 page limit will be billed a per-page charge of \$150.
- All type and illustrations should appear within designated margins—dimensions are 7 in. (178 mm) by 9 in. (229 mm). We recommend 10-point type with 12 points of leading (spacing between lines). Use Times Roman typeface or an equivalent.
- Indent each paragraph 1/4 inch (use tab; do not use the space bar to indent). Single-space your text in two-column format. Your equations, figures, and tables do not need to comply with the two-column format. In other words, equations, figures, and tables may span the columns.
- Changes to accepted papers must be limited to revisions or changes requested by the Technical Program Committee.

Important Dates:

- Abstract Deadline: August 7, 2014
- Notification to Authors: September 7, 2014
- Full Draft Papers Due for Review: November 7, 2014
- Notification to Authors: January 7, 2014
- Final Paper for CD-ROM Publication*: February 7, 2014
- Conference: April 12-16, 2015

*Full paper revisions must be submitted electronically to www.ans.org/meetings/ihrwm. Full papers will be reviewed

Proceedings Coordinator

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Subject Categories for Abstracts

1. Repository Systems

- site selection
- design (including engineered and natural barrier systems)
- performance assessment
- licensing
- boreholes
- novel concepts
- biosphere

2. Storage and Transportation

- wet and dry storage
- at reactor and centralized storage
- extended storage
- high burnup, MOX, and other used fuel categories

3. Nuclear Fuel Cycle Optimization and Integration

- integration of back-end
- alternative fuel cycles and reactor technologies

- impact of new reactor technologies (SMRs, GEN IV)

- reprocessing wastes
- modeling and simulation

4. Regulatory and Institutional Topics

- challenges and successes
- influence of governmental structures (national vs. state/province/canton)
- stakeholder communication and engagement

5. Security, Safeguards and Non-Proliferation

6. Emerging Waste Issues

- classification and disposition of depleted uranium
- damaged fuel, core materials, and other waste from severe accidents
- impact of decontamination and decommissioning wastes