



CALL FOR ABSTRACTS

Abstract Deadline: January 14, 2013

Salt Lake City, UT, USA • September 29 - October 3, 2013

GLOBAL 2013: *International Nuclear Fuel Cycle Conference*

September 29 – October 3, 2013 ▪ Salt Lake City, Utah, USA ▪ Little America Hotel

“Nuclear Energy at a Crossroads”

CONFERENCE PURPOSE:

The conference is a forum for the discussion of the scientific, technical, social and regulatory aspects of the nuclear fuel cycle. Relevant topics include global utilization of nuclear energy, current fuel cycle technologies, advanced reactors, advance fuel cycles, nuclear nonproliferation and public acceptance. The conference is an opportunity for an exchange of information on current topics of interest among the international participants in nuclear fuel cycle activities. The conference will appeal to an international audience as an opportunity to share information across programmatic, disciplinary, and international boundaries. Intended participants and audiences include personnel working on all aspects of the nuclear fuel cycle. Conference participants are encouraged to focus their submissions (either as oral or poster presentations) on the topics of this conference included in this call for abstracts.

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:

Chair: Terry Todd, Idaho National Laboratory

Assistant Chair: Jack Law, Idaho National Laboratory

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/global13. Papers may be submitted for oral or poster presentation. All submissions must be in English.

ELECTRONIC SUBMISSION:

To submit a paper electronically, please refer to the detailed instructions available on the Internet at: www.ans.org/meetings/global13.

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).
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.
- At least one author 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:

Abstract should be within 450 words with name, affiliation, country (nationality) and email information. 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 January 14, 2013, 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 10 pages for publication at no charge. Authors who exceed the 10 page limit will be billed a per-page charge of \$100.
- 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 6.3mm (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:	January 14, 2013
Notification to Authors:	March 8, 2013
Full Draft Papers Due for Review:	April 30, 2013
Notification to Authors:	June 3, 2013
Final Paper for CD-ROM Publication*:	July 1, 2013
Early Registration Deadline:	September 1, 2013
Conference:	September 29 – October 3, 2013

*Full paper revisions must be submitted electronically to www.ans.org/meetings/global13. Full papers will be reviewed.

The ANS Scientific Publications Department may be contacted at the address and phone number below:

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SUBJECT CATEGORIES FOR ABSTRACTS:

1. Global Utilization of Nuclear Energy

- 1a. Sustainability of Nuclear Energy Systems
- 1b. Fuel Cycle Strategies and Approaches
- 1c. Trends in Nuclear Energy Fuel Cycles
- 1d. Lessons learned from Fukushima event

2. Current Fuel Cycle Technologies

- 2a. Uranium Resources
- 2b. Reactor Life Extension
- 2c. Spent Fuel Management/Waste Treatment
- 2d. Technology Advances in Reprocessing and Vitrification Technologies
- 2e. Spent Fuel Storage and/or Disposal

3. Advanced Reactors

- 3a. Advanced Reactors
- 3b. Small-Modular Reactors
- 3c. Reactors for Non-electric Applications

4. Advanced Fuel Cycles

- 4a. Advanced Fuels/ Targets/ Materials
- 4b. Advanced Partitioning Technologies
- 4c. Advanced Waste Management Technologies
- 4d. Fuel Cycle Modeling and Simulation

5. Nuclear Nonproliferation

- 5a. Nonproliferation Policy
- 5b. Advanced Safeguards
- 5c. Proliferation Risk Reduction

6. International Collaboration and Public Acceptance

- 6a. International Collaboration and Research
- 6b. Social Issues, Public Acceptance
- 6c. Impact of Fukushima Event on Global Nuclear Energy
- 6d. Human Capital Needs and Development