



CALL FOR PAPERS
American Nuclear Society 15th Topical Meeting
Technology of Fusion Energy
November 17-21, 2002 – Washington, D.C.



Meeting/Conference Purpose:

The American Nuclear Society, in cooperation with the U.S. Department of Energy and the Fusion Engineering Division of the Atomic Energy Society of Japan will hold the 15th Topical Meeting of the Technology of Fusion Energy as an embedded topical of the American Nuclear Society 2002 winter meeting, November 17-21, 2002 in Washington DC (www.ans.org/meetings). The purpose of this meeting is to bring together specialists in the area of fusion energy to discuss current work and future challenges in the area of fusion technology. In addition to bringing together the varied expertise of this exciting research area, special sessions are planned to focus on similarities and differences between the inertial and magnetic fusion energy concepts and the interface between materials and design communities. The technical program will include paper and poster presentations as well as invited speakers.

Co-Sponsors: INEEL, LLNL, NRL, ORNL, and Kyoto University

General Chairman:

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Meeting/Conference Paper Summaries and Proceedings:

The proceeding of this meeting will be published in a special volume of *Fusion Science and Technology*.

Submission of Summaries and Papers

Interested authors are to submit summaries related to one or more of the Technical Programs listed on the following page. The summaries are due **no later than June 21, 2002**. The Technical Program Committee (TPC) will notify authors of acceptance/rejection by July 31, 2002. Drafts of papers are due by electronic submittal for peer review by September 10, 2002. Details for preparation of full papers will be supplied with notification of acceptance. Papers to be published in the proceeding must be presented at the meeting.

Authors should submit their summaries electronically with name, affiliation, address, phone, fax and e mail information online at <http://www.ans.org/meetings/>. Authors should identify the Technical Topic category number with their submission and presentation preference (i.e. oral or poster).

All summaries must be emailed by June 21, 2002 to be considered. The proceeding of this meeting in which the papers are published is Fusion Science and Technology, an archival journal. Under no circumstances should summaries be published in any other publication.

Guidelines for Preparing Paper Summaries:

Authors should adhere to the guidelines below. Questions regarding subject categories may be directed to the TPC vice-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.
- Conclusion 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 900 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 (10) words; limit listing authors to three (3) or fewer if possible
- Exclude references from word count.

Format

- Summaries must be submitted electronically in ASCII text, HTML, Word, WordPerfect, and/or PDF (Adobe Acrobat) format.
- Use SI Units (with English units following in parentheses, if desired). Exceptions are made for eV and barns.
- List references numerically at the end of the summary, and use numbers in the text, enclosed within brackets.
- If using the ASCII text or 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.

Guidelines for Preparing Paper Summaries:

Format will be provided to accepted papers. Papers will be camera-ready. Paper length to be 5 pages for contributed papers, 8 pages for invited.

Technical Programs and Session Topics:

- 1.0 Advanced Designs**
- 2.0 Alternative Concepts & Economic Studies**
- 3.0 MFE Chamber Technology**
- 4.0 IFE Chamber Technology**
- 5.0 Non-Electric Applications**
- 6.0 Fusion Materials**
- 7.0 Divertor and Plasma-Facing**
- 8.0 Tritium, Safety and Environment**
- 9.0 Plasma Engineering, Heating and Current Drive**
- 10.0 Plasma Diagnostics**

FED Awards: Call for Nominations

This is a repeat announcement for 3 awards to be given at the 15th ANS Fusion Topical Meeting in Washington, DC, November 17-21, 2002. These awards are:

- * 2002 Outstanding Technical Accomplishments Award
- * 2002 Outstanding Achievement Award
- * 2002 FED Student Award for Fusion Science and Engineering

Descriptions of the selection criteria and deadlines for the nominations are posted on the ANS-FED Web site: <http://fed.ans.org/> under the Call for Nominations.

Nomination deadline is July 30, 2002.

Thank you for your cooperation and I am looking forward to your submissions.

Mail nominations to: Professor Gerald L. Kulcinski
 Chair FED Honors and Awards Committee
 University of Wisconsin-Madison
 Department of Engineering Physics
 1500 Engineering Drive, #443
 Madison WI 53706-1687
