

Second Call for U.S. Papers for IAEA 2023 Fusion Energy Conference

The 29th IAEA Fusion Energy Conference (FEC 2023) will be held in London, United Kingdom on October 16-21, 2023. The official IAEA announcement is available at:

<https://www.iaea.org/events/fec2023>

U.S. submissions will be evaluated by a paper selection committee before FES submits nominations to the IAEA. This ensures that the strongest U.S. papers are submitted to this competitive international conference.

Here is the schedule for the submission and selection of U.S. papers:

U.S. Submission process:

- The deadline for submission of the two-page extended synopses to the U.S. Paper Selection Committee (USPSC) is **January 16, 2023**. These synopses should be emailed to FEC2023.US@science.doe.gov before this deadline.
- Please see the official announcement and call for papers here: https://www.iaea.org/sites/default/files/22/11/cn-316_conference_announcement.pdf. Annex A in this document identifies the topical areas along with associated keywords. Please note EX/TH subcategories are included this year. Also, note that the keywords are indicative of the topical area and are not limiting.
 - **EX: Magnetic Fusion Experiments**
 - Keywords: toroidal and helical configurations, confinement, stability, performance and control, wave-plasma interactions, current drive, heating, energetic particles, plasma-material interactions, divertors, limiters, scrape-off-layer
 - **TH: Magnetic Fusion Theory and Modelling**
 - Keywords: confinement, stability, performance and control, wave-plasma interactions, current drive, heating, energetic particles, plasma-material interactions, divertors, limiters, scrape-off-layer
 - **TECH: Fusion Energy Technology**
 - Keywords: materials, magnets, engineering, system integration, neutron sources, radiation transport and activation, power plant design, safety, maintenance and remote handling, socio-economic and environmental aspects
 - **IFE: Inertial Fusion Energy**
 - Keywords: materials, power plant design, targets, drivers
 - **IAC: Innovative and Alternative Fusion Concepts**
 - Keywords: linear configurations, non-magnetic configurations, hybrid concepts, fusors
- Authors should consult Annex B “Scientific Guidelines for Authors” of the IAEA announcement.
- All submitted files must be in PDF format. To facilitate the processing of these electronic files, please use the following file-naming convention:

[1st author’s family name].[initial of 1st author’s given name]-[topic]-[subcat. If applicable]-Synopsis

Examples:

Faraday.M-EX-H-Synopsis.pdf

Maxwell.J-TH-W-Synopsis.pdf

Smith.J-IFE-Synopsis.pdf

- In addition, please fill in a line in the attached spreadsheet for each submission and submit it to the same email address along with your synopsis. We would prefer only one spreadsheet for each institution listing all the synopses, but it is acceptable to send one spreadsheet along with each synopsis. Replace the sample data with your actual data.

To facilitate the processing of these spreadsheets, please use the following file-naming convention:

[institution name]-Information

or

[1st author's family name].[initial of 1st author's given name]-Information

Examples:

PPPL-Information.xlsx

Smith.J-Information.xlsx

- Authors should be aware that only one paper per same first author may be submitted for consideration.

U.S. Paper Selection Committee:

- The USPSC will select the papers to be forwarded to the IAEA. This Committee will meet virtually on **January 31 - February 2, 2023**.
- The members of the USPSC are Eric Fredrickson, Jon Hillesheim, Josh King, Auna Moser, Carlos Paz-Soldan, and Ezekial Unterberg (EX); Elena Belova, Chris Hegna, Francesca Poli, David Smithe, and Maxim Umansky (TH); Rob Kolasinski, Arnold Lumsdaine, and George Tynan (TECH); Radha Bahukutumbi, Arianna Gleason-Holbrook, John Kline (IFE); Jesús Romero (IAC).

After the U.S. Selection Process:

- The results of the USPSC meeting will be communicated to the authors soon after their meeting. Authors will be informed whether their papers have been selected for submission to the IAEA and about any recommendations from the USPSC for combining or modifying the accepted papers. Once a paper is selected, the author must submit it to IAEA.
- The authors whose papers have been selected for submission to the IAEA should submit their two-page synopses directly to the IAEA following the instructions in the IAEA announcement https://www.iaea.org/sites/default/files/22/03/css_general_how_to_register_for_an_conference_202317.pdf, by **March 16, 2023** (European time zone). Copies should also be sent to FEC2023.US@science.doe.gov.
- As part of the registration process, your application, and the auto-generated forms (i.e., IAEA Participation Form (Form A) and a Form for Submission of a Paper (Form B)), will automatically be routed to FES for approval.
- Conference participants (i.e., anyone not associated with a paper or is only a contributing author) who want to attend the meeting should follow the instructions contained in the FAQs: <https://www.iaea.org/sites/default/files/22/12/cn-316-faq.pdf>.

FEC2023 Programme Committee:

- The IAEA FEC2023 International Programme Committee will make the final selection of the papers for the conference. The Programme Committee will meet May 8-12, 2023, at the IAEA Headquarters in Vienna, Austria.
- All decisions about whether a paper is to be accepted, to be an oral or poster presentation, or to be rapporteured, etc., will be made by the IAEA FEC2023 International Programme Committee and

will be communicated to the author directly by the IAEA. However, U.S. authors can express their preference for an oral or poster presentation in their submission to the USPSC.

- The U.S. members of the International Programme Committee are Arianna Gleason-Holbrook, Josh King, Francesca Poli, George Tynan, and Ezekial Unterberg.

Please share this information with colleagues at your institution and at other institutions. It will also be posted on the DOE Fusion Energy Sciences web site (<https://science.osti.gov/fes/Community-Resources>). For technical questions, please contact me (Josh.King@science.doe.gov). For administrative questions, please contact Ms. Sandy Newton (Sandy.Newton@science.doe.gov).

Should you have any questions, please do not hesitate to contact us.

Best,

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