

Initial Call for U.S. Papers for the IAEA 2023 Fusion Energy Conference

The 29th IAEA Fusion Energy Conference (FEC2023) will be held in London, United Kingdom on October 16-21, 2023. The official IAEA announcement is available at:

<https://www.iaea.org/events/evt2102340>.

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 Deadline:

- 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.
- The topical areas have been announced and are listed below. Sub-topical areas are not yet known. *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 configuration, non-magnetic configurations, hybrid concepts, fusors
- FES will distribute further guidance concerning how to submit your synopsis once IAEA releases further information.

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**.

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.

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.

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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