

The 14th International Symposium on Fusion Nuclear Technology

22 - 27 September 2019, Budapest, Hungary

SECOND ANNOUNCEMENT AND CALL FOR PAPERS

Symposium Scope

The International Symposium on Fusion Nuclear Technology (ISFNT) is recognized as one of the premier international gatherings to foster interactions among scientists and engineers to exchange information on all scientific, engineering, and other technical aspects of fusion nuclear science and technology. It also represents great opportunities for reporting on recent technical progress, discussing many multidisciplinary issues and fostering international collaboration for the promotion of fusion energy development. The symposium addresses near-term fusion devices, ITER and long-term reactor technologies. We encourage contributions related to science, engineering, facilities, experiments, modelling, analysis, and design and safety.

The working language of the symposium and the proceedings is English.

Technical Topics

- 1) Plasma-Facing High Heat Flux Components
- 2) Blanket Technology
- 3) Fuel Cycle and Tritium Processing
- 4) Material Engineering for FNT
- 5) Vacuum Vessel and ex-vessel systems
- 6) Nuclear System Design
- 7) Safety Issues and Waste Management
- 8) Models and Experiments for FNT
- 9) Repair and Maintenance
- 10) Burning Plasma Control and Operation
- 11) Inertial Confinement Fusion Studies and Technologies
- 12) Fission-Fusion synergy and cross cutting technologies

Scientific Programme and Publication

The symposium will consist of invited and contributed technical papers. Both oral presentation sessions and poster sessions are planned. Technical papers will be peer reviewed using the Elsevier peer review process, and accepted papers will be published in a symposium proceedings special issue of Fusion Engineering and Design. Additional information on the symposium and Budapest is available at the symposium web site, <http://www.isfnt-14.org>.

Call for Abstracts

Authors are invited to submit **one-page** abstracts clearly stating the purpose, the principal results, and major conclusions to be presented at the Symposium. Abstract submission should be done through the electronic submission page on the web site. Abstract submission will be available from **December 15, 2018** to **February 28, 2019**. Further information regarding abstract submission can be found at the web site, <http://www.isfnt-14.org>

Miya-Abdou Award

Significant contributions to development of fusion nuclear technology are recognized by nominations to the Miya-Abdou Award. Details regarding the award are available on the website, and the ISFNT international Committee encourages colleagues to nominate peers meeting the award criteria. A monetary award is provided to the winning candidate.

FED Student Award

Fusion Engineering and Design Student Award is an Award for the best contribution (poster or oral) at the ISFNT Conference, presented by students. Details regarding the award are available on the website. A monetary award is provided to the winning candidate, sponsored by ELSEVIER.

Satellite Meetings

Dedicated meeting rooms will be available for satellite meetings during the Symposium. If you would like to organize a specific satellite meeting, please contact the LOC Chairman (Nagy, Reka loc@isfnt-14.org).

Registration

Registration will be made via the symposium website. The early registration fee for delegates is EUR 750 (early registration due **July 31, 2019**) and the late registration fee is EUR 850. The fee covers the attendance of the sessions, coffee breaks, reception and Gala Dinner. More detailed information regarding the registration can be found at the symposium web site.

Key Dates

- Second Announcement and Call for Abstracts 22 September, 2018
- Abstract Due Date 28 February, 2019
- Notification to Authors of Paper Selection 30 April, 2019
- Deadline for Early Registration 31 July, 2019
- Manuscripts Due 31 August, 2019
- Symposium Convened 22-27 September, 2019

Symposium Committee

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Contact Information

Ms. Nagy, Réka, LOC Chair or Mr. Palánkai, Miklós Scientific Secretary

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