

First Announcement

The 27th International Toki Conference on Plasma and Fusion Research & The 13th Asia Pacific Plasma Theory Conference (ITC27 & APPTC2018)

November 19-22, 2018

Ceratopia Toki, Toki-city, Gifu, Japan

<http://itc.nifs.ac.jp/>

Scope

The International Toki Conference is a topical meeting dedicated to a specific subject related to plasma and fusion science. The series began in 1989 with the founding of the National Institute for Fusion Science and has been held on an annual basis ever since. The Asia Pacific Plasma Theory Conference (APPTC) is a meeting to cover broader topics in plasma sciences including theory and simulations for magnetic fusion plasmas, space plasmas, laser-plasma interactions, low-temperature plasmas, and basic plasma phenomena. The series began in 1996 and has provided a forum for the exposition and exchange of the latest researches and developments in plasma science in the Asia-Pacific region.

In this era, cooperation among experiments, theory and simulations has become more important. Technological development, built on fundamental research topics, will be further applied to applied plasma research and large-scale plasma science such as research regarding the fusion reactor. With this background, we are planning joint conference of the 27th ITC and the 13th APPTC in order to explore new aspects and to promote the cross-fertilization of diverse fields of science through advances in basic plasma and fusion science.

Topics to be covered

- (1) Magnetically-Confined Plasmas
- (2) Inertially-Confined Plasmas
- (3) Fusion Engineering and Reactor Design
- (4) Basic Plasma Research and Plasma Application
- (5) Imaging Science and Simulation Technique
- (6) Space and Astrophysical Plasmas

Meeting format

The meeting will consist of plenary, invited, and contributed oral presentations, and poster sessions. The abstracts will be selected by the International Program Committee as either oral or poster presentations. The official language of the meeting is English.

Date and location

ITC27 & APPTC2018 will be held at Ceratopia Toki (4 Takayama, Tokitsu-cho, Toki-city, Gifu 509-5121, Japan) from November 19, 2018 through November 22, 2018. Participants and their companions are welcomed to the conference banquet which will be held at Ceratopia Toki (conference site) on November 21, 2018.

Abstract submission

Authors are invited to submit one-page abstracts of their contributed papers online before August 1, 2018. Detailed instructions regarding abstract submission will appear on the conference website (<http://itc.nifs.ac.jp/>).

Publication

Original or review articles related to the conference topics are encouraged to be submitted to *Plasma and Fusion Research* (<http://www.jspf.or.jp/PFR/>). Each submitted paper will be put through a peer-review process, and those accepted will be published as regular articles in the journal.

Important dates

Start of online abstract submission: June, 2018

Deadline for abstract submission: August 1, 2018

Deadline for request of official documents required for visa: August 9, 2018

Notification of abstract acceptance: September, 2018

Deadline for online registration: October 31, 2018

Conference: November 19-22, 2018

Deadline for paper submission: December 28, 2018

Visas

In the case that you will require a visa to enter Japan, send e-mail to the Local Organizing Committee (itc27-visa@nifs.ac.jp) and then required official documents will be provided through the Local Organizing Committee.

International Advisory Committee

Y. Takeiri (Chair), A. Ando, K. Hanada, S. Ishiguro, T. Klinger (Germany), R. Kodama, S. Kubo, J. Li (China), T. Mito, M. Mori, I. Murakami, T. Muroga, T. Morisaki, K. Nagasaki, Y. Nakashima, K. Nishimura, N. Ohno, Y. Ogawa, M. Osakabe, H. Sugama, M. Tendler (Sweden), Y. Todo, M. Wada, F.L. Waelbroeck (USA), T. Watanabe, N. Yanagi

International Program Committee

Y. Ono (Chair), S. Sakakibara, T. Watanabe, K. Nagasaki, F. L. Waelbroeck (USA), H. Sakagami, H. Nagatomo, Y. Mori, T. Kaneko, S. Hamaguchi, H. J. Lee (Korea), A. Sen (India), J. Miyazawa, M. Kondo, S. Yoshihashi, H. Ohtani, K. Koyamada, A. Kageyama, K. Tomisaka, H. Hara, M. Velli (USA), M. J. Hole (Australia)

(Some international researchers will be joined.)

Local Organizing Committee

S. Ishiguro (Chair), A. M. Ito (Scientific Secretary), H. Sakagami, H. Nakamura, H. Miura, H. Ohtani, M. Toida, S. Usami, T. Yamamoto, A. Takayama, H. Hasegawa, A. Ito, T. Moritaka, R. Kanno, S. Toda, N. Mizuguchi, R. Ishizaki, M. Sato, S. Matsuoka, Y. Takemura, S. Muto, S. Takayama, M. Yajima, H. Takahashi

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