

22nd International Toki Conference
“Cross-Validation of Experiment and Modeling for Fusion and Astrophysical Plasmas”
Ceratopia Toki, Toki-city, Gifu, JAPAN, November 19-22, 2012

First Announcement

1. Introduction

The International Toki Conference (ITC) is an international conference for the presentation and discussion of research activities related to nuclear fusion and plasma sciences. It has been held annually by the National Institute for Fusion Science in Toki City since 1989.

2. Objectives

The purpose of this year's conference is to discuss the validation of theoretical models and simulations by experiments and the interpretation and prediction of experimental data by models. It covers mutual-interaction of theory/simulation and experiment/observation in fusion and astrophysical plasmas. Development of new diagnostics, atomic processes and scientific visualization are also covered.

3. Topics

Topical areas of interest include:

- (1) Validation of modeling in fusion research
- (2) Numerical simulation and observation in astrophysical plasmas
- (3) Transport (modeling, experiment and observation)
- (4) Reconnection (theory, simulation, experiment and observation)
- (5) Interaction between energetic particles and waves in plasmas
- (6) Plasma-wall interaction (modeling, experiment and observation)
- (7) Plasma diagnostics for cross-validation
- (8) Atomic processes in laboratory and astrophysical plasmas
- (9) Scientific visualization.

4. Meeting format

The meeting will consist of invited and contributed oral presentations, poster sessions, and a summary session. The abstracts will be selected by the Program Committee as either oral or poster presentations. A projector with a laptop personal computer (PC) will be available for participants to present their papers. Power Point or PDF formats are recommended. The official language of the meeting is English.

5. Publications

5.1. Booklet of Abstracts

A printed booklet of abstracts of invited and contributed presentations will be distributed to participants at

the meeting desk. Abstracts will be also available on the meeting website.

5.2. Journal Publication

Original or review articles, concerning the conference topics, are encouraged to be submitted to an academic journal, which will be announced later. Each submitted paper will be put through a peer-review process, and those accepted will be published as regular articles in the journal.

6. Registration

6.1. Registration

All registrations (other than abstract submission) will be made through the conference web site (<http://itc.nifs.ac.jp/>). All attendees are requested to register by September 28, 2012.

6.2. Registration fee

The registration fee is 20,000 JPY (15,000 JPY for students). The registration fee includes:

- (1) Access to all sessions of the scientific program
- (2) An abstract booklet
- (3) Coffee break refreshments
- (4) Conference banquet

The registration fee is payable at the conference site (only by cash in Japanese yen).

*Note: Payment of the banquet fee is mandatory regardless of attendance, however a separate receipt for the registration fee excluding the banquet fee can be obtained on request.

7. Abstract submission

Individuals who intend to contribute a paper should select the topical category and submit an A4 one-page abstract via the conference web site (<http://itc.nifs.ac.jp/>) by August 3, 2012. Detailed instructions will be distributed later.

8. Technical Tour

The host institute, the National Institute for Fusion Science (NIFS), is happy to invite all participants and their accompanying persons to a technical tour of the Large Helical Device (LHD) facility and the other places nearby NIFS.

9. Conference Banquet

A conference banquet will be held. Participants are invited to the banquet without additional payment. Accompanying persons are welcome to join the banquet upon additional payment.

10. Accommodation

Information and rates for various hotels in Toki and Tajimi cities are listed in the web site. Specific

information such as directions can be obtained at the link for each hotel. Participants must make their reservations with the hotels directly by Internet, telephone or FAX.

11. Visa

For participants who need a visa to enter Japan, required official documents will be provided through the local organizing committee (itc22@nifs.ac.jp) upon request (deadline: September 7, 2012).

12. Important Dates

Deadline for abstract submission:	August 3, 2012
Notification of abstract acceptance:	August 31, 2012
Deadline for request of official documents required for visa :	September 7, 2012
Deadline for registration:	September 28, 2012
Deadline for paper submission:	November 22, 2012
Conference:	November 19 - 22, 2012

13. International Advisory Committee

A. Komori (Japan, Chair), A. Ando (Japan), H. Azechi (Japan), A. J. H. Donné (Netherlands), T. Hino (Japan), R. Horiuchi (Japan), T. Imai (Japan), S. Ishiguro (Japan), O. Kaneko (Japan), K. Kawahata (Japan), T. Klinger (Germany), G. S. Lee (Korea), A. Mase (Japan), O. Mitarai (Japan), T. Mito (Japan), T. Muroga (Japan), T. Mutoh (Japan), M. Mori (Japan), K. Nishimura (Japan), Y. Ogawa (Japan), Y. Ohsawa (Japan), A. Sagara (Japan), F. Sano (Japan), M. Sasao (Japan), Y. Takeiri (Japan), W. Tang (U.S.A), M. Tandler (Sweden), H. Yamada (Japan), M. Zarnstorff (U.S.A.), H. Zushi (Japan)

14. Programme Committee

M. Sasao (Chair), A. Mase (Vice-chair), A. Fukuyama, K. Ida, S. Ishiguro, N. Iwama, R. Kanno, Y. Kishimoto, S. Ohdachi, Y. Ono, B.J. Peterson, H. Shiraga, S. Tsuneta

15. Local Organizing Committee

K. Kawahata (Chair), S. Sudo (Co-chair), Y. Nagayama (Scientific Secretary), T. Akiyama, M. Emoto, H. Funaba, M. Goto, N. Hayashi, K. Ida, T. Ido, M. Isobe, A. Ito, S. Iwatsuka, H. Kasahara, K. Mukai, S. Muto, H. Nakanishi, M. Nunami, S. Ohdachi, K. Okada, T. Ozaki, B. J. Peterson, H. Sekiguchi, H. Sakaue, A. Shimizu, C. Suzuki, S. Takayama, T. Taki, N. Tamura, K. Tanaka, I. Yamada, M. Yamanaka, R. Yasuhara, M. Yoshimura, M. Yoshinuma

16. General Contact Address

itc22@nifs.ac.jp