

16th -International Toki Conference on “Advanced Imaging and Plasma Diagnostics”

‘Ceratopia Toki’, Toki, Japan.

December 5 - 8, 2006

The 3rd Announcement

INTRODUCTION

The National Institutes of Natural Sciences (NINS) and the National Institute for Fusion Science (NIFS) will hold the

Sixteenth International Toki Conference (ITC-16)

The ITC-16 will take place in Toki, Japan from Tuesday, December 5th, 2006 to Friday, December 8th, 2006. The ITC-16 is the continuation of an annual series that originated in 1989, when the National Institute for Fusion Science was established. The ITCs are international conferences for discussion and presentation of research activities related to nuclear fusion and plasmas.

CONFERENCE SCOPE

The ITC-16 will address widely varying topics in the fields of advanced plasma diagnostics and imaging sciences such as solar imaging, medical imaging, biological imaging, etc. by bringing together experts from research institutes and from industries. The official language is English. The conference program format will consist of plenary sessions, invited talks and oral & poster presentations. Papers accepted after the usual review processes will be published in a scientific journal.

LIST OF TOPICS

The meeting will cover the following topics:

(A) Advanced Imaging

1. Medical Imaging
2. Imaging for Biology
3. Imaging for Astronomy
4. Imaging for Atoms, Molecules and Materials

(B) Plasma Diagnostics

5. IR to Microwave
6. Visible to X-ray
7. Particle (Neutron, Fusion Products, Ions and Neutrals)
8. Beam Diagnostics (Laser, Particle) and Probes

(C) Imaging Technologies

9. Data Acquisition
10. Image Reconstruction and Tomography
11. Imaging Devices (CCD) and Optics

(D) Others

12. Other Imaging
13. Other Plasma Diagnostics

PLACE

Ceratopia Toki Conference Hall
Toki-City 509-5121, Gifu-ken, JAPAN

DATE

December 5th (Tue) to 8th (Fri), 2006

LANGUAGE

English is the official language of the conference.

ABSTRACT SUBMISSION

Authors were requested to submit on-line one-page abstract by August 31, 2006. The abstract submission is now closed, and your abstract could be modified before October 31, 2006. The paper should contain original and previously unreported work on the conference topics. The abstract should be sufficiently detailed in describing the aim of the work and the obtained results. The Program Committee will select the papers on the basis of the submitted abstracts. Authors were notified on acceptance of abstracts and assignment of their papers into sessions by September 30, 2006. The accepted abstracts will be bound as a booklet and distributed to participants at the Conference. They will be posted on the Conference web site as well.

CONFERENCE PROCEEDINGS

The acceptance of the abstract does not guarantee publication in the proceedings. Referees will review the papers submitted to the conference proceedings. Papers accepted after the usual review process will be published in Plasma and Fusion Research (<http://www.jspf.or.jp/PFR/>), which is an electronic journal published monthly by the Japan Society of Plasma Science and Nuclear Fusion Research. The

proceedings will be distributed to all participants. Detailed instructions for preparation of the papers will be posted on the web site. The electronic version of the proceedings can contain full color pages and movies, but the proceedings will be printed in black and white.

MANUSCRIPT SUBMISSION

Authors are requested to upload a PDF file of their manuscripts through our web site (<http://itc.nifs.ac.jp/>) by December 4, 2006. The home page for the manuscript submission will be open after November 15, 2006. Instructions for manuscript preparation are available from the PFR website (<http://www.jspf.or.jp/PFR/info.html>). The paper should contain original and previously unreported work on the conference topics. A review paper will be also accepted if a plenary speaker or an invited speaker prefers. Manuscripts will not be received at the conference site. The page limits of the proceeding papers are as follows: (1) 8 pages for the invited talks and the plenary talks; (2) 4 pages for the contributed papers (oral and poster presentations).

INSTRUCTIONS FOR PRESENTERS

(1) Oral/Invited Presentation

Oral session will be equipped with a LCD projector, a Windows-based PC laptop, a screen, a hand-held microphone and a laser pointer. You have the option to bring your personal laptop or you may download your presentation to a memory stick or a CD and use the Windows-based PC laptop provided in the room where your session will take place. No overhead projector will be available.

(2) Poster Presentation

The space available for each poster will be 0.9 m (height) x 1.8 m (width); thumbtacks will be provided.

REGISTRATION AND REGISTRATION FEE

All attendees are requested to register through our web site at: <http://itc.nifs.ac.jp/contents/registration/index.html>.

The registration fee of 15,000 yen per participant covers the attendance, conference materials and proceedings, coffee breaks and the banquet. The fee for students is 10,000 yen. An additional banquet ticket for an accompanied person is 5,000 yen. After registration, participants can select how to make the payment as follows:

(1) Credit cards

The participants can make pre-payment by using a credit card on our web site at: <https://apollon.nta.co.jp/itc16> until Oct. 31, 2006.

(2) Conference registration desk

The participants need to make the payment at the Conference registration desk on the first day of the

conference. Only payments in Japanese yen (cash only; no credit card or check) will be accepted.

ACCOMODATION

We have reserved rooms at special conference rates at several hotels near Toki City for participants of the Conference. Hotel information is available on our web site at: <http://itc.nifs.ac.jp/contents/hotel/>. Online hotel reservation is available from the home page for the ITC16 registration at: <http://itc.nifs.ac.jp/contents/registration/index.html>. The deadline for hotel reservation is October 31. Room assignments will be made on a first-come first-served basis. The cancellation policy is explained in the home page for the hotel reservation.

ACCESS AND TRANSPORTATION

The conference site 'Ceratopia Toki' is located about 0.4 km far from Toki-shi station on the Japan Railway (JR) Chuo-line (see <http://itc.nifs.ac.jp/contents/access.htm>). Shuttle bus service is available from the hotels to the Conference Hall during the conference. A detailed map and timetable is available on our web site at: http://itc.nifs.ac.jp/contents/shuttle_bus.htm.

VISAS

In case you need a visa to enter Japan, the conference secretaries will provide an official invitation letter to obtain the entry visa. Please note that it takes more than two weeks to get a Japanese visa after applying at the Japanese Consulate. Fill in and return the Visa Application Form ([PDF](#) / [word](#)) to the Conference Secretary by e-mail or airmail or fax no later than October 1, 2006. Documents required for visa application will be sent to you by airmail.

Note

- A printed form is strongly suggested for your submissions of any document since a handwritten form often causes mistakes in the processing of the paper work.
- Your name and date of birth have to be the same as those written in your passport.
- If your companion needs a Japanese visa, you have to also send her/his visa application form to us. In this case, the relationship between her/him and you must be written in the "Memorandum" section of the visa application form.
- You can read an official guide to Japanese visas.
- If you have any question about the procedure for obtaining a Japanese visa, contact us.

CONFERENCE PROGRAM

12/5 (Tue)		12/6 (Wed)		12/7 (Thu)		12/8 (Fri)	
9:00	Registration	Plasma (Particles & Fusion products)		Plasma (Laser & Particle Beams)		Plasma Imaging	
		9:00	M. Tanpo	9:00	Y. Hamada	9:00	S. Ohdachi
9:40	Opening	9:30	R. Barnsley	9:30	G. R. McKee	9:30	Y. Aglitsky
		10:00	H. Bindslev	10:00	Y. Hatae	9:50	M. Tanabe
				10:20	K. Kawahata	10:10	B. J. Peterson
10:10	Coffee	10:30	Coffee	10:40	Coffee	10:30	Coffee
Plenary		Electron Microscopy		Medical Imaging		Biological Imaging	
10:30	H. Fukuyama	10:50	K. Nagayama	11:00	Y. Sasaki	10:50	E. Stelzer
11:10	H. Park	11:00	R. Schroeder	11:30	N. Sadato	11:20	K. Ohmiya
11:50	K. Itoh	11:25	N. Mizuno	12:00	M. Sugiura	11:40	T. Nemoto
12:10	Group Photo	11:50	K. Namba	12:20	T. Iidaka	12:00	S. Nonaka
		12:15	Y. Kaneko				
12:30	Lunch	12:40	Lunch	12:40	Lunch	12:20	Lunch
Image Reconstruction		13:50	Poster (Plasma)	13:50	Poster (Imaging)	Mix	
13:50	H. Kudo		(Categories: 5, 7, 8, 13)		(Categories: 1-4, 6, 9-12)	13:30	S. Kimura
14:20	J. Hsieh					13:50	T. Hasegawa
14:50	J. Howard					14:10	K. Morita
15:10	T. Takeda					14:30	K. Shibasaki
15:50	Coffee	15:50	Coffee	16:00	NIFS Technical Tour	14:50	L. Pranevicius
Plasma (Imaging Technology)		Astronomy ('Hinode' Satellite)				15:10	S. Sudo
16:10	N. Luhmann	16:10	H. Hara			15:30	Closing
16:40	M. Hangyo	16:40	K. Ichimoto				
17:10	G. Etoh	17:10	R. Kano				
17:30	H. Hojo	17:40	T. Watanabe				
18:30	Mayor's Reception	18:30	Banquet	18:30	Open Lecture for Citizens		
				18:40	H. Karoji		
				19:30	R. Kakigi		

The program is subject to change.

TECHNICAL TOUR

A technical tour to the Large Helical Device (LHD) facilities at NIFS will be held on December 7, 2006. Participants of the NIFS technical tour are requested to register their name from the ITC-16 website (<http://itc.nifs.ac.jp/>).

SPONSORSHIP

The ITC-16 is sponsored by the National Institutes of Natural Sciences (NINS) and the National Institute for Fusion Science (NIFS).

INTERNATIONAL ORGANIZING COMMITTEE

Osamu Motojima (Japan, Chair), Motoya Katsuki (Japan), Shoken Miyama (Japan), Noboru Mizuno (Japan), Hiroki Nakamura (Japan), Teruji Cho (Japan), Tomoaki Hino (Japan), John Howard (Australia), Jiang Hsieh (USA), Osamu Kaneko (Japan), Kazuo Kawahata (Japan), Akio Komori (Japan), Gyung-Su Lee (Korea), Neville C. Luhmann (USA), Shinzaburo Matsuda (Japan), George R. McKee (USA), Kunioki Mima (Japan), Takashi Mutoh (Japan), Nobuaki Noda (Japan), Yuichi Ogawa (Japan), Nobuyoshi Ohyabu (Japan), Shigeki Okajima (Japan), Yukiharu Osawa (Japan), Hyeon K. Park (USA), Fumimichi Sano (Japan), Yuka Sasaki (USA), Mamiko Sasao (Japan), Motoyasu Sato (Japan), Rasmus R. Schroeder (Germany), Ernst Stelzer (Germany), Shigeru Sudo (Japan), Tatsuhiko Uda (Japan), Hiroshi Yamada (Japan), Kenji Yamauchi (Japan), Naoaki Yoshida (Japan)

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CONFERENCE SECRETARIAT

Yoshio Nagayama (Chair)

National Institute for Fusion Science

322-6 Oroshi-cho, Toki, Gifu 509-5292, Japan

IMPORTANT DATES

- August 31, 2006: Abstract submission deadline
- September 30, 2006: Notification of abstract acceptance
- October 01, 2006: Deadline for VISA application
- October 31, 2006: Deadline for registration and hotel reservation
- November 15, 2006: Start of full-paper uploading
- December 04, 2006: Deadline for registration and manuscript submission

WEB SITE AND CONTACT ADDRESS

E-mail can be sent using the web-form: <http://itc.nifs.ac.jp/contents/helpdesk.htm>.

The Conference web site and the contact address are as follows:

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