

**SECOND ANNOUNCEMENT AND CALL FOR PAPER**

**20th International Toki Conference (ITC-20) on  
The Next Twenty Years in Plasma and Fusion Science**

December 7 - 10, 2010  
Ceratopia Toki, Toki-City, Gifu, Japan

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

**SCOPE**

The International Toki Conference (ITC) has been successively held reaching the 20<sup>th</sup> event this year. On this occasion, the 20<sup>th</sup> ITC will focus on the prospects for the next twenty years of plasma and fusion science, by reflecting on the progress achieved within the past years. The frontiers of simulation science in plasma and fusion research will be the main topic. At the same time, the academic systemization of plasma and fusion science should manifest itself in the 20<sup>th</sup> ITC, through the synergism of the diversity of research area, and progress of the leading edge.

**LIST OF TOPICS**

**1. Prospects for the Next Twenty Years in Plasma and Fusion Science**

**2. The Leading Edge of Simulation Science**

Multi-Scale Simulation, Large Scale Simulation, Integrated Simulation Codes, High Performance Computing, Simulation Technique

**3. Imaging Science**

Scientific Visualization, Virtual Reality, Diagnostic Imaging

**4. Magnetically-Confined Fusion Plasmas**

Confinement, Stability, Wave-Plasma Interaction, Heating & Current Drive, Diagnostics, Steady State, Diverter & SOL

**5. Inertial Fusion Energy**

Central Ignition, Fast Ignition, High Energy Density Physics, Warm Dense Matter

**6. Fusion Engineering and Fusion Reactor Concepts**

Materials, Reactor Design, Fusion Technologies

**7. Space and Astrophysical Plasmas**

Sun, Magnetosphere, Jets, Accretion Disks, Substorms

**8. Basic Plasma Research and Plasma Application**

**PLACE**

Ceratopia Toki (4 Tokitsu-Takayama, Toki 509-5121, Gifu, Japan)

**CONFERENCE DATE**

December 7 (Tue.) – 10 (Fri.), 2010.

**LANGUAGE**

English is the working language of the conference.

### **ABSTRACT SUBMISSION**

Authors are requested to submit one-page abstract (A4 format) on-line **by August 31, 2010** through the conference web-site (<http://itc.nifs.ac.jp>). The template is available on the web-site. Submitted papers should be an original work associated with the conference topics, which has not been previously published. Abstracts 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 will be notified on acceptance of abstracts and assignment of their papers into the sessions **by September 30, 2010**. A booklet of the abstracts will be distributed to participants at the Conference. The abstracts will be available on the conference web-site as well.

### **REGISTRATION**

All registrations can be made **starting October 1, 2010** through the conference web-site. All attendees are requested to register **by October 31, 2010**.

### **REGISTRATION FEE**

The registration fee is 20,000 yen, and the fee for students is 15,000 yen (both including the banquet fee, which cannot be subtracted). Banquet ticket for an accompanied person is 5,000 yen. The registration fee is payable at the conference site (only by cash in Japanese yen).

### **CONFERENCE PROCEEDINGS and PAPER SUBMISSION**

The papers presented in the conference can be submitted through the conference web-site (<http://itc.nifs.ac.jp>). The papers go through all the peer-review process, and those accepted will be published in an academic journal. Submission fee will not be included in the registration fee. Detailed information will be posted on the conference web-site once it is available.

### **VISAS**

In case you need a visa to enter Japan, required official documents will be provided through local organizing committee, upon request.

### **EXCURSION**

Excursion (at your own expense) will be planned in the afternoon on 9<sup>th</sup> December (Thu). Detailed information will be posted on the conference web-site once it is available.

### **IMPORTANT DATES**

|  |                       |
|--|-----------------------|
| Start of on-line abstract submission:                | August 1, 2010        |
| Deadline for abstract submission:                    | August 31, 2010       |
| Notification of abstract acceptance:                 | September 30, 2010    |
| Start of on-line registration and hotel reservation: | October 1, 2010       |
| Deadline for registration and hotel reservation:     | October 31, 2010      |
| Deadline for paper submission:                       | December 7, 2010      |
| Conference:  | December 7 - 10, 2010 |

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