

Eighth IAEA Technical Meeting on “Steady State Operation of Magnetic Fusion Devices”

26-29 May 2015

Nara, Japan



IAEA

International Atomic
Energy Agency
www.iaea.org

Announcement

INTRODUCTION

The International Atomic Energy Agency (IAEA) will organize the Eighth IAEA Technical Meeting on Steady State Operation of Magnetic Fusion Devices (IAEA-TMSSO 2015) in Nara, Japan, during 26-29 May 2015. The meeting will be hosted by the National Institute for Fusion Science (NIFS). Previous meetings were held in Aix en Provence (France, 2013), Vienna, (Austria, 2010), Daejeon (Republic of Korea, 2007), Gandhinagar (India, 2005) Greifswald (Germany) & Cadarache (France, 2002), Kyushu (Japan, 1999) and Hefei (China, 1998).

OBJECTIVES

As a series of Technical Meetings on steady state operations of magnetic fusion devices, IAEA-TMSSO 2015 will provide a preeminent forum to discuss current issues covering a wide range of technical topics related to the steady state operation issues and also to encourage forecast of the ITER performances.

The Technical Meeting will include invited and contributed papers. The topics to be covered are:

1. Superconducting Devices
2. Long-pulse operation and Advanced Tokamak Physics
3. Steady State Fusion Technologies and Plasma Wall Interactions
4. Long pulse Heating and Current Drive
5. Particle Control and Power Exhaust
6. ITER-related research and Development issues

MEETING ORGANIZATION AND FORMAT

The format of the meeting will be invited and contributed papers (orals and posters) presented in sessions devoted to special topics with subsequent discussions. Plenary sessions will be followed by poster sessions to enhance topical discussions. It is expected that all talks will be ~20 minutes with ~5 minutes for discussion. An electronic projector with a computer capable of reading memory sticks will be available (Power Point recommended). It is expected that the meeting will start at **09:00** on **26 May 2015** and end by **17:30** on **29 May 2015**.

Language

The official language of the meeting is English; no interpretation will be provided.

Participation

About 50 persons from the IAEA Member States and International Organizations are expected to attend. Participants should be persons actively involved in the relevant topics of the meeting.

In order to participate in the meeting, the following major steps must be completed:

1) Submission of an abstract

A one page abstract must be submitted as an email attachment by **06 March 2015**. The abstract submission email must contain the authors' names, affiliation and email address. The filename should be in the following format: "lastname.i.n.i.t.i.a.l.s.-topic.filetype". The abstract should be submitted by email to physics@iaea.org.

Authors must make sure that the files do not include copyrighted fonts or other impediments for reproduction.

2) Submission of IAEA participation and copyright forms

Meeting participants will be accepted only if the respective **Participation Form A** are transmitted to the IAEA through the appropriate Governmental representative authority (Ministry of Foreign Affairs, National Atomic Energy Authority).

Participants presenting a paper must also send a completed and duly signed form for submission of a paper (**Form B**) (PDF, Microsoft Word) with the abstract of their presentation to the IAEA.

ABSTRACT

Anyone wishing to present a paper or poster during this meeting must submit an abstract, in electronic format (WORD, preferred) directly to physics@iaea.org.

The email subject for abstract submission shall include IAEA-TM on SSO + **topic**.

Topics include:

- SC: Superconducting Devices
- LP: Long-pulse operation and Advanced Tokamak Physics
- SS: Steady State Fusion Technologies and Plasma Wall Interactions
- HC: Long pulse Heating and Current Drive
- PC: Particle Control and Power Exhaust
- RD: ITER-related Research and Development Issues

The abstracts shall be prepared as for the last meeting according to the instructions:

1) Page size: A\$ (297mm by 210 mm) – vertical orientation

2) Margins 25mm all around

3) Layout:

Title: single-spaced, 14-point size, Times New Roman Font, **bold**

Authors: single-spaced, 12-point size, Times New Roman Font

Affiliation: single-spaced, 12-point size, Times New Roman Font, *italic*

Text: 1.5 spaced, 12-point size, Times New Roman Font

Length: one page

A Book of Abstracts will be compiled for distribution at the meeting to every participant.

PAPERS

Electronic versions of papers must be sent to physics@iaea.org by **20 May 2015**. A CD-ROM with a summary of the un-edited, non-refereed papers will be prepared for distribution at the meeting. The paper submission form (PDF, Microsoft word) must be sent to the scientific secretary. The papers should be sent as a single pdf format file, including figures, not exceeding 2 MB. The layout of the papers should be as follows:

1) Page size: A4 (297mm by 210 mm) – vertical orientation

2) Margins 25mm all around

3) Layout:

Title: single-spaced, centred, 14-point size, Times New Roman Font (TNR), bold

Authors: single-spaced, centred, 12-point size, TNR Font

Affiliation: single-spaced, centred, 12-point size, TNR Font, italic
Text: single-spaced, 12-point size, TNR Font
Length: six pages

A summary report will be published in the “Nuclear Fusion” journal. Authors are encouraged to submit their papers to “Nuclear Fusion” for publication following the submission rules of the journal.

PARTICIPATION

Following the standard IAEA procedure, **official participants to the meeting must be nominated through their national authorities (Ministry of Foreign Affairs or National Atomic Energy Authority).**

VISA

Designated participants who require a visa to enter Japan should submit the necessary application to the nearest diplomatic or consular representative of Japan as soon as possible. A letter of invitation, if needed, can be requested from the Local Organizers at the email address tmsso2015@nifs.ac.jp.

EXPENDITURES AND FINANCIAL SUPPORT

The costs for the organization of the meeting are borne by the IAEA and the NIFS. No registration fee will be charged to participants. However, participants will be requested by the local organizers for a contribution of 4000 JPY to cover specific costs associated with the provision of coffee breaks.

As a general rule, the IAEA does not pay the cost for attendance to the meeting (i.e. travel and living expenses) of participants. However, limited funds are available to help meet the cost of attendance of a few selected specialists mainly from developing countries with low economic resources. Generally, not more than one grant will be awarded to any one country. The grants awarded will be in the form of lump sums usually covering part of the cost of attendance.

If governments wish to apply for a grant on behalf of one of their specialists, they should address specific requests to the IAEA Scientific Secretary at the International Atomic Energy Agency to this effect. Governments should ensure that applications for grants:

- a) are received by the IAEA by **06 March 2015**;
- b) are accompanied by a duly completed and signed Participation Form (see above), including the abstract of the paper to be presented;
- c) are accompanied by a duly completed and signed Grant Application Form (see attached Form C) as well as an estimate of a valid travel agent of the flight costs from/to the nearest city or capital in their country and the conference location. The grants awarded will be in the form of lump sums that usually cover only part of the cost of attendance.

Applications that do not comply with the conditions mentioned above cannot be considered. Awards will be announced around **18 March 2015**.

MEETING VENUE AND TRANSPORTATION

The meeting will be held in the Nara Prefectural New Public Hall (<http://www.shinkokaido.jp/en/>) The Nara Prefectural New Public Hall is located at 101 Kasugano, Nara, 630-8212, Japan. Nara is an ancient city that was the capital of Japan from AD710 to 784, where there are many historical shrines

and temples including national treasures and UNESCO World Heritages. Detailed information relating to transportation will be made available on the meeting website (<http://tmssso2015.nifs.ac.jp/>)

ACCOMMODATION

Detailed information on accommodation will be made available on the meeting website (<http://tmssso2015.nifs.ac.jp/>). The local organizing committee recommends some convenient hotels in Nara city.

DEADLINES

06 March 2015 - Submission of abstracts according to the instructions above for paper selection

27 March 2015 - Participants will be informed on the acceptance of their papers

06 March 2015 - Request to the IAEA for financial support

20 May 2015 – Submission of papers

26 May 2015 - Meeting commences

MEETING WEBSITE

<http://tmssso2015.nifs.ac.jp/>

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