



IAEA

International Atomic Energy Agency

Atoms for Peace

Ninth IAEA Technical Meeting on Steady State Operation of Magnetic Fusion Devices

20 – 23 March 2017

IAEA Headquarters, Vienna, Austria

INTRODUCTION

The International Atomic Energy Agency (IAEA) will organize the Ninth IAEA Technical Meeting on Steady State Operation of Magnetic Fusion Devices (IAEA-TMSSO 2017) in Vienna, Austria, from **20 to 23 March 2017**. The meeting will be hosted at the IAEA Headquarters. Previous meetings were held in Nara (Japan, 2015), 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 2017 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 **10:00** on **20 March 2017** and end by **17:30** on **23 March 2017**.

Language

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

Participation

About 70 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 **6 February 2017**. The abstract submission email must contain the authors' names, affiliation and email address. The file name 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** is 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

Participants wishing to make a contribution at the meeting are requested to submit a one-page electronic abstract. Abstracts should be submitted to the email address Physics@iaea.org by **6 February 2017**.

Abstracts should be prepared according to the following instructions:

- 1) Page size: A4 (297mm by 210 mm) – vertical orientation;
- 2) Margins 25mm all around;
- 3) Layout:
 - Title: single-spaced, 14-point size, Times New Roman Font (TNR), **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.

Abstracts can be text only or contain figures and graphics. The abstracts must contain the authors' names, affiliation and email address. Acceptable file formats are Microsoft Word (preferred) or PDF.

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 filename should be in the following format: "lastname.i.n.i.t.i.a.l.s.-topic.filetype".

Authors must make sure that the files do not include copyrighted fonts or any other impediments for reproduction. The abstracts will be reviewed and selected by the International Programme Advisory Committee. Authors will be informed of the acceptance of their contributions via email by **20 February 2017**. A Book of Abstracts will be compiled for distribution at the meeting to every participant.

PAPERS

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 (i.e. Ministry of Foreign Affairs or National Atomic Energy Authority).**

VISA

Participants who require a visa to enter Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria as soon as possible. An official letter of invitation will be issued to all participants. This letter will be needed for the visa application. In case of special requirements, please contact Ms Rozanne Bojdo (R.Bojdo@iaea.org).

EXPENDITURES AND FINANCIAL SUPPORT

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 attendance costs 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 **20 February 2017**;
- 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 **28 February 2017**.

DEADLINES

6 February 2017	Submission of abstracts according to the instructions above for paper selection
20 February 2017	Submission of the Participation Form through the appropriate governmental authority
20 February 2017	Request to the IAEA for financial support
20 February 2017	Participants will be informed about the acceptance of their papers
28 February 2017	Grant awards
20 March 2017	Meeting begins

MEETING WEBSITE

<https://nucleus.iaea.org/sites/fusionportal/Pages/List-of-TMs-on-SSO.aspx>

INTERNATIONAL PROGRAMME ADVISORY COMMITTEE

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D. VanHoutte	France

IAEA SECRETARIAT

IAEA Scientific Secretary:

Ms Sehila Maria Gonzalez de Vicente
S.M.Gonzalez-De-Vicente@iaea.org
 NAPC Physics Section
 International Atomic Energy Agency
 Office A2375, Wagramer Str. 5, P.O. Box 100,
 A1400 Vienna, Austria
 Tel.: +43 1 2600-21753, FAX: +43 1 26007

Team Assistant

Ms Rozanne Bojdo
R.Bojdo@iaea.org
 NAPC Physics Section
 International Atomic Energy Agency
 Office A2306, Wagramer Str. 5, P.O. Box 100,
 A1400 Vienna, Austria
 Tel.: +43 1 2600-21754, FAX: +43 1 26007