

2nd IAEA Technical Meeting on
***"First Generation of Fusion Power Plants -
Design and Technology"***



www.iaea.org

20 – 22 June 2007

IAEA Headquarters, Wagramer Strasse, 5, 1400, Vienna, Austria

[Participation form A](#)

[Paper submission form B](#)

[Grant request form C](#)

INTRODUCTION

Following recommendation from the International Fusion Research Council, the IAEA will continue to organise the series of Technical Meetings (TM's) on the subject of fusion power plants aiming at assess the progress and outline general guidance and recommendations on issues related to the design and technology of first generation fusion power plants, their social, economic, safety and environmental implications. The first meeting in this series was held in 2005, Vienna.

OBJECTIVES

The present meeting will provide a forum for presentation and exchange of ideas in the topics and issues that have been anticipated to become relevant within the next two generations, when a first power plant prototype is expected to be in operation leading to the first generation of commercial power plants with attractive safety and environmental features and viable economics. The requirements arising for fusion development (including plasma physics, materials and human resources) will also be addressed. Following the first meeting in 2005, Vienna, the present meeting is expected to bring new results and promote discussions in the following topics:

TOPICS

- (PPCA) Power Plant Concepts and systems Analysis.
- (MCP) Materials analysis/Components design/Plasma requirements
- (NE) Non-Electric applications of fusion
- (SESE) Social, Economic, Safety and Environmental aspects of fusion
- (EP) Energy Policy, strategy and scenario for fusion development

MEETING FORMAT

The meeting will have invited and contributed oral papers presented in sessions devoted to special topics with subsequent discussions. It is expected that invited talks, as keynotes for the session, will be 40 minutes plus 10 minutes discussion and session talks will be ~20 minutes with ~5 minutes for discussion. An electronic projector connected to a computer capable of reading CD's and memory sticks will be available for the presentations (Power Point recommended).

The official language of the meeting is English (no interpretation will be provided). It is expected that the meeting will start at 09:00 on 20 June 2007 and end by 17:30 on 22 June 2007. A summary session will provide the possibility to review the progress reported at the meeting and recommend directions for future research.

ABSTRACT

Submission from 20 February to 20 March 2007

Anyone wishing to present a paper or poster during this meeting must submit an abstract.

The abstract shall 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, **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

A manuscript shall be prepared for inclusion on the meeting proceedings published by IAEA (it will be available on the web and will include presentations as well).

- [Author Instructions](#)

Authors must submit a signed [Form B](#) to the IAEA for copyright purposes.

Electronic versions of papers will be collected at the meeting.

A summary report of the meeting will be prepared by the Chair and the International Advisory Committee for submission to the "Nuclear Fusion" journal.

PARTICIPATION

About 40 persons from IAEA Member States or international organizations are expected to attend. Participants should be persons actively involved in the topics of the meeting.

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

1) Abstract Submission

A one page abstract must be submitted **between 20 February and 20 March 2007. The abstract may be text only or contain figures and graphics, but must be only one page.** The abstract must contain the authors' names, affiliation and email address. **Acceptable file formats are Microsoft Word (preferred) or PDF.** The filename should be in the following format: "lastname.i.n.i.t.i.a.l.s.-topic.filetype".

Submit the abstract by email to Physics@iaea.org or by post or fax to the IAEA Scientific Secretary,

Artur Malaquias
NAPC, Physics Section
International Atomic Energy Agency
Office A2309
Wagramer Str. 5, P.O. Box 100, A1400 Vienna, Austria
Tel.: +43 1 2600-21707, FAX: +43 1 26007-21707

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

The abstracts will be selected and classified by the International Advisory Committee.

Authors will be informed of the acceptance and placement of their contributions by email, by end of April 2007.

2) IAEA participation and copyright forms.

A participant will be accepted only if the Participation Form A is transmitted through the appropriate Governmental representative authority (Ministry of Foreign Affairs, National Atomic Energy Authority).

You also need to send a completed Author Form B (PDF, Microsoft Word) with the abstract of your presentation to the IAEA.

3) EXPENDITURES AND FINANCIAL SUPPORT

The costs for the organization of the meeting are borne by the IAEA. No registration fee will be charged to participants.

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 and participation 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 March 2007 and
- b) are accompanied by a duly completed and signed Author [Form B](#) and Grant [Form C](#) including the abstract of the paper to be presented.
- c) an estimation from an official travel Agency is included for the traveling costs.

Applications that do not comply with the conditions mentioned above cannot be considered.

Awards will be announced around 30 April 2007.

VISA

Designated 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. A letter of invitation, if needed, has to be requested from the Secretariat in the Physics Section,

Mr. Enrique Nacif
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International Atomic Energy Agency
Office A2374
Wagramer Str. 5, P.O. Box 100, A1400 Vienna, Austria
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DEADLINES

20 March 2007 - Submittal by email, fax or post of abstracts according to the instructions above for paper selection.

20 March 2007 - Request to the IAEA for financial support

End of April 2007 – Participants will be informed about the acceptance of their papers

30 April 2007 – Grant awards

20 June 2007 – Meeting begins – please bring an electronic word or pdf file of your paper to be collected by the IAEA Scientific Secretary.

INTERNATIONAL ADVISORY COMMITTEE

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Farrokh Najmabadi	USA
Guenter Janeschitz	Germany
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Jean Jacquinet	France
Konishi, Satoshi	Japan (Chair)
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LOCAL ORGANISERS

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