



## Second Announcement and Final Call for Papers

### Introduction

The International Atomic Energy Agency (IAEA), the KFKI Research Institute for Particle and Nuclear Physics of the Hungarian Academy of Sciences, and the Association-EURATOM/HAS, Budapest, Hungary will hold the

### **Fifth IAEA Technical Meeting (IAEA-TM) on Control, Data Acquisition, and Remote Participation for Fusion Research**

The meeting will take place from 12 July to 15 July 2005 in Budapest, Hungary.

Previous meetings were held in Garching, Germany, 1997, [Lisbon, Portugal, 1999](#), [Padova, Italy, 2001](#), and [San Diego, California, USA, 2003](#)

### Deadlines

Expression of Interest	As soon as possible, but not after 1 April 2005
Submission of Abstracts	01 April 2005
Application for Travelling Grants	15 April 2005
Decision on acceptance of Papers	03 June 2005
Final Papers due	12 July 2005
Meeting begins	12 July 2005

### Objectives

The main objective of this meeting is to present and discuss new developments and perspectives in the areas of control, data acquisition, and remote participation for nuclear fusion research around the world.

The Meeting will cover the following topics:

- A) Control, Monitoring, and Data Acquisition: System Aspects, Overviews, and Status Reports
- B) Machine Control, Monitoring, and Safety
- C) Diagnostic Control and Data Acquisition
- D) Plasma Control
- E) Database Techniques and Data Handling
- F) Remote Participation Techniques and their Application

The topic list is provisional and may be updated.

## **Format of the Meeting**

### ***Presentations***

The meeting will include:

- Invited talks
- Contributed papers (orals and posters, *all* contributions will be displayed as posters)
- Panels for discussion of specific matters
- Live demonstrations/exhibits (please let the Organising Committee know early, as space is limited)

The meeting will be organised in sessions devoted to special topics with subsequent discussions. Plenary sessions will be complemented by poster sessions to enhance topical discussions.

We intend to have all Oral papers also to be presented as posters to provide occasion for additional discussions, but the final decision on this can only be taken when we have all contributions as we may face space and schedule limitations. Copies of the oral presenter's slides will be acceptable for the poster.

An electronic projector with a computer will be available (PowerPoint or pdf recommended). As backup, an overhead projector for conventional transparencies will also be available.

The meeting venue has a good Internet connection, and presentations may make use of this, subject to prior arrangement with the Organising Committee.

### **Language**

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

### **Ad-hoc Discussions**

Provision (time and room), will be made for topical ad-hoc discussion in small groups.

### **Participants**

About 60 persons from IAEA Member States or international organizations are expected to attend the meeting. Participants should be actively involved in the topics of the meeting.

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

## **MDSplus Satellite Meeting**

Interest has been expressed in having an MDSplus developers' meeting to follow the IAEA Technical Meeting, as was done at the last meetings in Padova, in 2001, and San Diego 2003. Thus this satellite meeting would be held on the afternoon of the last day.

## **Meeting Location and Accommodation**

The meeting will be held in the beautiful historic building of the Hungarian Academy of Sciences in the centre of Budapest (<http://TM2005.rmki.kfki.hu/> > Conference site). Details of Accommodation are available at <http://TM2005.rmki.kfki.hu/> > Accommodation.

## **Publication**

### ***Booklet of Abstracts***

The printed abstracts of invited talks and contributed papers will be distributed to the participants at the Meeting Front Desk.

### ***Electronic Proceedings***

Electronic Proceedings of the Meeting containing slides, posters or brief versions of the texts of the contributions will be made available on CD after the meeting to all participants. These proceedings will also be made available to the participants on restricted-access web pages

### ***IAEA TecDoc***

The same material will be used as attachments to a short IAEA Technical Document ("TecDoc"). This TecDoc will consist of:

- a meeting overview highlighting main issues and trends
- a summary of each session
- summary of discussion round table(s)
- the book of abstracts (in paper form or as CD, to be decided)
- list of participants
- the Electronic Proceedings as attached CD

The TecDoc will be sent to the IAEA member states and, in addition, published on the IAEA web page.

### ***Journal Publication***

It is intended to arrange for the publication of a subset of contributions in a refereed journal. Papers from past meetings have been published in special issues of the international journal "Fusion Engineering and Design", published by Elsevier Science.

## Participation and Submission of Papers

### *Expression of Interest*

All persons who consider participating in the meeting are invited to complete the **Expression-of-Interest Form** (<http://TM2005.rmki.kfki.hu/> > Registration) and submit it to the organizers (address on the Expression-of-Interest form) by

- e-mail to: [tm2005@rmki.kfki.hu](mailto:tm2005@rmki.kfki.hu)
- or by fax to +36 1 395 9151

### *Participation and Paper Submission Procedure*

To participate in the meeting, please send a completed **IAEA Participation Form** ([pdf](#), [Microsoft Word](#)) and, if you intend to submit a contribution, the **IAEA Abstract Submission Form** ([pdf](#), [Microsoft Word](#)) with a one-page, text-only Abstract of your presentation or poster to your appropriate authority (Ministry of Foreign Affairs, National Atomic Energy Authority) for subsequent transmission to the IAEA. A participant will be accepted only if the Participation Form is transmitted through the appropriate authority. The Participation Forms and Abstracts must be received by **1 April 2005**. Participants whose nominations have been received by the IAEA will be notified by 30 May 2005.

Please send *in addition* **two copies of the IAEA Participation Form, Abstract Submission Form, and Abstract** as follows:

One copy *directly* to the IAEA Scientific Secretary by.

- e-mail to: [physics@iaea.org](mailto:physics@iaea.org)
- or fax to +43 1 2600 7

One copy *directly* to the Meeting Secretary, IAEA TM2005

- e-mail to: [tm2005@rmki.kfki.hu](mailto:tm2005@rmki.kfki.hu)
- or fax to +36-1-395-9151

Details about the abstract format will be made available on the meeting website <http://TM2005.rmki.kfki.hu/> > Author Instructions.

Final Papers are due, ready as electronic files (details to be announced on the meeting web site <http://TM2005.rmki.kfki.hu/> > Author Instructions), on the first day of the Meeting at the Front Desk. Paper copies will not be required.

## Expenditures and Financial Support

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

Please note that a participation fee of **150 EURO** has been foreseen to help to defray the costs of refreshments and publications as provided by the local organizer. The participation fee has to be paid directly to the local organizer on registration at the 12 July 2005.

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 15 April 2005 and
- b) are accompanied by a duly completed and signed Participation Form (see above), including the abstract of the paper to be presented. And
- c) are accompanied by a duly completed and signed Grant Application Form (<http://TM2005.rmki.kfki.hu/> > Registration ) 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 3 June 2005.

## Visa

Designated participants who require a visa to enter Hungary should submit the necessary application to the nearest diplomatic or consular representative of Hungary as soon as possible. A letter of invitation, if needed, has to be requested from Dr. Piroska Giese, [giese@rmki.kfki.hu](mailto:giese@rmki.kfki.hu)

## International Programme Advisory Committee

Karl Behler	Max-Planck-Institut für Plasmaphysik, EURATOM Association	Germany	
Thomas Casper	LLNL	USA	
Jonathan Farthing	EURATOM/UKAEA Fusion Association	United Kingdom	
Bernard Guillerminet	CEA/Cadarache Association Euratom-CEA	France	
Bill McHarg	General Atomics	USA	
Volker Schmidt (Chairperson)	Consorzio RFX -Associazione EURATOM-ENEA sulla Fusione	Italy	e-mail: <a href="mailto:tm2005@rmki.kfki.hu">tm2005@rmki.kfki.hu</a>
Jorge Sousa	Associação EURATOM/IST Centro de Fusão Nuclear	Portugal	
Joshua Stillerman	MIT-PSFC	USA	
Shigeru Sudo	National Institute for Fusion Science	Japan	
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## Organising Committee

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Daniel Dunai	
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Ferenc Voczelka (technical support)	

## General Contact Address

For any communication please use this general contact address:

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