



12th IAEA Technical Meeting on Control, Data Acquisition and Remote Participation for Fusion Research

Daejeon, Republic of Korea

13–17 May 2019

Hosted by the

Government of the Republic of Korea

through the

National Fusion Research Institute

Announcement and Call for Papers

A. Introduction

The International Atomic Energy Agency (IAEA) fosters the exchange of scientific and technical results in nuclear fusion research and development through its series of Technical Meetings and workshops. The 12th IAEA Technical Meeting on Control, Data Acquisition and Remote Participation for Fusion Research (CODAC 2019) aims to provide a pre-eminent forum to discuss new developments and perspectives in the areas of control, data acquisition, data management and remote participation for nuclear fusion research around the world.

The CODAC 2019 is being organized by the IAEA, in cooperation with the Government of the Republic of Korea through the National Fusion Research Institute in Daejeon, Republic of Korea. Previous meetings in this series were held in Garching, Germany (1997), Lisbon, Portugal (1999), Padova, Italy (2001), San Diego, United States of America (2003), Budapest, Hungary (2005), Inuyama, Japan (2007), Aix-en-Provence, France (2009), San Francisco, United States of America (2011), Hefei, China (2013), Ahmedabad, India (2015) and Greifswald, Germany (2017).

B. Structure, Themes and Topics

The Technical Meeting will include invited and contributed papers (oral and poster presentations) presented in sessions devoted to the following topics:

- **PC:** Plasma Control;
- **MCR:** Machine Control, Monitoring, Safety and Remote Manipulation;
- **DASP:** Data Acquisition and Signal Processing;
- **DTI:** Database Techniques for Information Storage and Retrieval;
- **MDA:** Advanced Computing and Massive Data Analysis;
- **RPVL:** Remote Participation and Virtual Laboratory; and
- **FNT:** Fast Network Technology and its Application.

Oral presentations will be followed by poster presentations to enhance topical discussions. It is expected that all talks will be approximately 20 minutes with around ten minutes for discussion. An International Programme Advisory Committee (see Section K below) consisting of a representative international membership will be responsible for the selection of papers, the arrangements of technical sessions and the overall scientific content of the meeting.

C. Abstracts, Papers and Proceedings

Concise papers on issues falling within the topics outlined in Section B above may be submitted as contributions to the meeting. All papers, apart from invited papers, must present original work and should not have been published elsewhere.

Anyone wishing to present a paper at the meeting is requested to submit an abstract of not more than 500 words through IAEA-INDICO by **15 March 2019**. Abstracts may contain figures and graphics. Instructions on how to upload the abstracts to IAEA-INDICO will be available on the website (see Section J below).

Submissions must contain the author's name, email address, country, organization and topic. Authors are encouraged to flag their proposals as an oral or poster presentation. However, the International Programme Advisory Committee will evaluate all submissions and decide on the final presentation format.

Authors will be notified by email by **8 April 2019** as to whether their papers have been accepted.

An electronic copy of the proceedings consisting of abstracts, presentation slides and posters abstracts will be made available to all participants on the IAEA-INDICO website.

Under the coordination of the Chair of the International Programme Advisory Committee, papers from the meeting will be published in a special edition of *Fusion Engineering and Design Journal*, and a summary of the meeting will be published in *Nuclear Fusion*.

D. Participation and Registration

Official participants to the meeting must be designated through their competent national authority (e.g. Ministry of Foreign Affairs or National Atomic Energy Authority).

In order to participate in the meeting:

- A completed Participation Form (Form A) must be transmitted to the IAEA (Official.Mail@iaea.org) through the established official channels by **29 March 2019**.

In order to participate in the meeting and present a paper:

- A completed Participation Form (Form A) and Form for Submission of a Paper (Form B) must be transmitted to the IAEA (Official.Mail@iaea.org) through the established official channels by **29 March 2019**.

IMPORTANT: Abstracts received electronically will be considered by the International Programme Advisory Committee only if these two forms have been received by 29 March 2019.

E. Expenditures and Grants

The IAEA is generally not in a position to bear the travel and other costs of participants in the meeting. However, limited funds are available to help meet the cost of attendance of a few selected participants mainly from developing countries with low economic resources.

Generally, not more than one grant may be awarded to any one country, and grant applications will only be considered for authors of accepted papers. The grants awarded will be issued in the form of a lump sum payment that usually covers only part of the cost of attendance. If governments wish to apply for a grant on behalf of one of their participants, they should address specific requests to the IAEA Scientific Secretary (see Section L below). Governments should ensure that applications for grants:

- Are received by the IAEA by **29 March 2019**;
- Include a completed and signed Participation Form (Form A) and the abstract of the paper to be presented; and
- Include a completed and signed Grant Application Form (Form C) as well as a valid travel agent's estimate of return flight costs between the nearest city or capital in their country and the meeting location.

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

Grant awards will be announced by **15 April 2019**.

F. Working Language

The working language of the meeting will be English. All communications and papers must be sent to the IAEA in English. No simultaneous interpretation will be provided.

G. Meeting Venue and Accommodation

The meeting will take place at the Hotel ICC Daejeon (4–29 Doryong-dong, Yuseong-gu, Daejeon, Republic of Korea), with the support of the National Fusion Research Institute. Detailed information on accommodation, transportation and other relevant matters will be available on the host organization website (<https://iaeatm2019.nfri.re.kr>), and provided to all designated participants approximately one month before the meeting.

H. Visas

Designated participants who require a visa to enter the Republic of Korea should submit the necessary application to the nearest diplomatic or consular representative of the Republic of Korea as soon as possible. A letter of invitation, if required, can be requested by emailing the host organization (see Section L below).

I. Key Deadlines and Dates

15 March 2019	Submission of abstracts through IAEA-INDICO
29 March 2019	Submission of Participation Form (Form A), Form for Submission of a Paper (Form B) and Grant Application Form (Form C) (if applicable) through the official channels
8 April 2019	Notification of acceptance of abstracts
15 April 2019	Notification of assigned grant awards
13 May 2019	Meeting begins
17 May 2019	Meeting ends

J. Meeting Web Page

Please visit the following web page regularly for new information regarding this meeting: <https://conferences.iaea.org/indico/event/180/overview>

K. International Programme Advisory Committee

The International Programme Advisory Committee is composed of the following members:

Behler, Karl (Chair)	Germany
Winter, Axel (Co-chair)	Germany
Hahn, Sang-hee	Republic of Korea
Luchetta, Adriano	Italy
Mazon, Didier	France
Nakanishi, Hideya	Japan

Pires, Wanderly
Pujara, Harshad
Ravenel, Nathalie
Schissel, David
Stillerman, Joshua
Xiao, Bingjia

Brazil
India
France
United States of America
United States of America
China

L. Meeting Secretariat

IAEA Scientific Secretary:

Mr Matteo Barbarino

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