



Third Technical Meeting on Divertor Concepts

**IAEA Headquarters
Vienna, Austria**

4–7 November 2019

Ref. No.: EVT1701732

Information Sheet

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 Third Technical Meeting on Divertor Concepts (DC 2019) aims to provide a forum for discussing and analyzing the latest findings and open issues related to the divertor of a fusion device in the context of DEMO.

The event will focus on an integral approach, i.e. connecting plasma physics and engineering aspects, and aim at an intensive exchange of ideas on the different aspects that the divertor design and fusion machine operation involve, from ITER divertor developments to innovative technologies for DEMO divertor.

The DC 2019 is being organized by the IAEA. Previous meetings in this series were held in Vienna, Austria (2015) and Suzhou, China (2017).

Structure, Themes and Topics

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

- **D&C:** Divertor and Confinement;
 - Key words: H Mode, divertor volume impact on confinement, constraints governed by core performance for ITER-like and advanced geometries.
- **RPE:** Radiative Power Exhaust;

- Key words: Control and optimization of radiative layers and radiative divertors for ITER-like and advanced geometries.
- **SOL:** Scrape-off Layer and Divertor Physics;
 - Key words: experiments and modelling for ITER-like and advanced geometries, main chamber interaction.
- **SSO:** Steady State Operation and Transient Heat Loads;
 - Key words: power decay length, ELMs and their mitigation for ITER-like and advanced geometries.
- **PFM:** Plasma Facing Component Materials and Heat Exhaust for Steady State Operation;
 - Key words: armour materials, target geometry, water/helium cooling design, cooling channel arrangement, heat sink activation, thermal conductivity and contact ageing.
- **DEMO:** Divertors for DEMO and Reactors;
 - Key words: safe operation, control diagnostics, protection from neutron flux, component life time, cassette design for remote maintenance.

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 consisting of a representative international membership will be responsible for the selection of papers, arrangements of technical sessions and the overall scientific content of the event.

Abstracts, Papers and Proceedings

Concise papers on issues falling within the topics outlined above may be submitted as contributions to the event. 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 **7 July 2019**. Abstracts may contain figures and graphics. Instructions on how to upload the abstracts to IAEA-INDICO will be available on the website.

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 **5 August 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, a summary paper and a selection of papers from the meeting will be published in a special issue of *Nuclear Fusion*.

Working Language(s)

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

Participation and Registration

All persons wishing to participate in the event have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State, participants are requested to send the **Participation Form (Form A)** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) for onward transmission to the IAEA by **19 July 2019**. Participants who are members of an organization invited to attend are requested to send the **Participation Form (Form A)** through their organization to the IAEA by the above deadline.

All persons wishing to present a paper at the meeting are requested to send the **Participation Form (Form A)** and **Form for Submission of a Paper (Form B)** through the established official channels to the IAEA by the above deadline.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and financial matters.

Please note that the IAEA is in a transition phase to manage the entire registration process for all regular programme events electronically through the new InTouch+ (<https://intouchplus.iaea.org>) facility, which is the improved and expanded successor to the InTouch platform that has been used in recent years for the IAEA's technical cooperation events. Through InTouch+, prospective participants will be able to apply for events and submit all required documents online. National authorities will be able to use InTouch+ to review and approve these applications. Interested parties that would like to use this new facility should write to: InTouchPlus.Contact-Point@iaea.org.

Expenditures and Grants

No registration fee is charged to participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country, provided that, in the IAEA's view, the participant will make an important contribution to the event.

The application for financial support should be made using the **Grant Application Form (Form C)** which has to be stamped, signed and submitted by the competent national authority to the IAEA together with the **Participation Form (Form A)** by **19 July 2019**.

Grant awards will be announced by **5 August 2019**.

Venue

The event will be held at the Vienna International Centre (VIC) where the IAEA's Headquarters are located. Participants must make their own travel and accommodation arrangements.

General information on the VIC and other practical details, such as a list of hotels offering a reduced rate for IAEA participants, are listed on the following IAEA web page:

<http://www-pub.iaea.org/iaeaevents/GeneralInfo/Guide/VIC>.

Participants are advised to arrive at Checkpoint 1/Gate 1 of the VIC one hour before the start of the event on the first day in order to allow for timely registration. Participants will need to present an official photo identification document in order to be admitted to the VIC premises.

Visas

Participants who require a visa to enter Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria at least four weeks before they travel to Austria. Since Austria is a Schengen State, persons requiring a visa will have to apply for a Schengen visa. In States where Austria has no diplomatic mission, visas can be obtained from the consular authority of a Schengen Partner State representing Austria in the country in question.

Key Deadlines and Dates

7 July 2019	Deadline for submission of abstracts through IAEA-INDICO
19 July 2019	Deadline for 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
5 August 2019	Notification of acceptance of abstracts and of assigned awards
4 November 2019	Event begins
7 November 2019	Event ends

Event Web Page

Please visit the following web page regularly for new information regarding this event:

<https://conferences.iaea.org/indico/event/192/>

International Programme Advisory Committee

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

Leonard, Anthony (Chair)	United States of America
Asakura, Nobuyuki	Japan
Hong, Suk-Ho	Korea
Kobayashi, Masahiro	Japan
LaBombard, Brian	United States of America
Lipschultz, Bruce	United Kingdom
Morris, William	United Kingdom
Neu, Rudolf	Germany
Pitts, Richard	ITER Organization
Wang, Liang	China
Wischmeier, Marco	Germany
Zheng, Guoyao	China

IAEA Contacts

Scientific Secretary:

Mr Matteo Barbarino

Division of Physical and Chemical Sciences
Department of Nuclear Sciences and Applications
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 26386

Fax: +43 1 26007

Email: M.Barbarino@iaea.org

Administrative Secretary:

Ms Marion Linter

Division of Physical and Chemical Sciences
Department of Nuclear Sciences and Applications
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 25119

Fax: +43 1 26007

Email: M.Linter@iaea.org

Subsequent correspondence on scientific matters should be sent to the Scientific Secretary and correspondence on other matters related to the event to the Administrative Secretary.