



IAEA

原子用于和平与发展

الوكالة الدولية للطاقة الذرية

国际原子能机构

International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

Organismo Internacional de Energía Atómica

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国际原子能机构（原子能机构）秘书处向原子能机构各成员国致意，并荣幸地提请注意将于**2020年6月1日至3日**在**奥地利维也纳原子能机构总部**举行的**第一届原子能机构—国际热核实验堆聚变堆安全和辐射防护联合技术会议**（以下称“活动”）。

这次活动的目的是提供一个平台，用于介绍和讨论在与实验聚变设施重点是国际热核实验堆相关的安全和辐射防护问题上的进展。

随附“资料单”提供这次活动的进一步详情。

这次活动将使用英文。

请各成员国指派一名或几名参加者代表政府参加这次活动。大力鼓励各成员国确定合适的女性参加者。

原子能机构一般不承担参加者参加活动的差旅费和其他费用。但原子能机构可支配有限资金，用于帮助支付某些参加者的参加费用。根据具体申请通常可向每个国家的一名参加者提供此种援助，条件是原子能机构认为该参加者将为这次活动做出重要贡献。财政资助申请应在指派参加者时利用随附的“补助金申请表”（C表）提出。

应注意，原子能机构对个人财产遭受的任何损坏或损失概不赔偿。原子能机构也不向原子能机构活动的参加者提供健康保险。因此，个人应做私人保险安排。但是，原子能机构将就明显因为原子能机构工作而引起事故和疾病提供保险。

应不迟于**2020年5月6日**用随附“参加申请表”（A表）将指派名单通过国家主管当局（外交部、常驻原子能机构代表团或国家原子能机构）提交原子能机构。填写完成并获得批准的“参加申请表”应通过电子邮件发送至：Official.Mail@iaea.org，或通过传真发送至：**+43 1 26007**（无需硬拷贝）。副本应通过电子邮件发送给这次活动的科

学秘书核科学和应用司物理学和化学科学处 [Sehila Gonzalez de Vicente](mailto:Sehila.Gonzalez-de-Vicente@iaea.org) 女士（电子信箱：S.M.Gonzalez-De-Vicente@iaea.org）和行政秘书 [Marion Linter](mailto:Marion.Linter@iaea.org) 女士（电子信箱：M.Linter@iaea.org）。一俟收到正式指派名单，这次活动的科学秘书将酌情就进一步的安排（包括差旅详情）与参加者直接联系。

此外，若各国政府还希望指派一名或几名观察员协助所指派的参加者并向其提供咨询，则诚请在上述日期之前将任何此类观察员的姓名和详细联系资料通知原子能机构。根据既定规则，希望各国政府承担其可能派出参加原子能机构活动的任何观察员的参加费用。原子能机构对观察员个人财产遭受的任何损坏或损失，或在其前往参加原子能机构活动的旅途中发生的或与参加原子能机构活动有关的疾病、伤害或死亡概不赔偿。

国际原子能机构秘书处借此机会再次向原子能机构各成员国致以最崇高的敬意。



2020年3月6日

附件（仅以英文印发）：资料单
参加申请表（A表）
论文提交表（B表）
补助金申请表（C表）



First Joint IAEA-ITER Technical Meeting on Safety and Radiation Protection for Fusion Reactors

**IAEA Headquarters
Vienna, Austria**

1–3 June 2020

Ref. No.: EVT1904271

Information Sheet

Introduction

The IAEA has engaged in fusion safety activities since the 1970s and has organized several Technical Meetings on fusion safety. Several publications have also issued, including on: fusion power and the environment, reactor licensing basis and requirements, power plant safety, test blanket modules, fusion-specific operational safety approaches, computational codes for fusion safety and their validation, accident analysis, tritium safety and inventories, fusion reactor decommissioning, and waste and safety classifications of mechanical components. In addition, fusion safety research studies under the auspices of the IAEA were carried out under the International Tokamak Reactor project and ITER development activities.

Objectives

The objective of the event is to provide a platform for presenting and discussing progress on the safety and radiation protection issues relevant to experimental fusion facilities, with a focus on ITER, to discuss the methodology to be established to determine the source term for fusion facilities, as well as to create equivalent publications to IAEA Safety Standards Series Nos SSR-4 and SSG-12 for fusion.

Target Audience

This event is suitable for researchers and engineers actively involved in the field of safety, preferably in the fusion area, as well as regulators.

Working Language

The working language of this event will be English.

Structure

Invited and contributed papers will be presented in several sessions devoted to the topics mentioned below, with subsequent discussions. Invited talks will be 30 minutes plus 5 minutes for questions and answers, while contributed talks will be 20 minutes plus 5 minutes for questions and answers. Presentations in PDF format are highly recommended. An electronic projector (with a computer capable of reading memory sticks) will be available. The event will start at 10.00 a.m. on 1 June 2020 and end by 3.30 p.m. on 3 June 2020. The final session will be a summary session where session chairs will report the main findings and identify the further work to be done by participants.

Topics

The event will cover the following topics:

1. Source term for fusion facilities
2. Licensing process for nuclear fusion installations.
 - Licensing process. General observations
 - Fusion specificities
 - Steps of the licensing process for a fusion facility
3. Safety of Fusion Facilities
 - Definition of fusion facilities' lifecycle;
 - Safety objectives, concepts and principles for fusion facilities;
 - Selected postulated initiating events for fusion facilities;
 - Risk criteria for fusion facilities;
 - Regulatory oversight for fusion facilities;
 - Management and verification of safety for fusion facilities;
 - Site evaluation for fusion facilities;
 - Design of fusion facilities;
 - Construction and commissioning;
 - Operation;
 - Preparation for decommissioning;
 - Interfaces between safety and security.

NOTE: Radioactive waste management issues will be covered under the separate IAEA Workshop on Radioactive Waste Management for Fusion Facilities, 20–22 May 2020.

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.

About 30 experts from IAEA Member States and International Organizations are expected to attend the event. Participants should be actively involved in the topics of the event.

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 **6 May 2020**. 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 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.

Papers and Presentations

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.

Participants who wish to give presentations are requested to submit an abstract of their work. The abstract will be reviewed as part of the selection process for presentations. The abstract should be in A4 page format, should extend to no more than one page (including figures and tables). It should be sent electronically to Fusion Physics - Contact Point (Fusion-Physics@iaea.org), not later than **31 March 2020**. Authors will be notified of the acceptance of their proposed papers by **20 April 2020**.

In addition, participants have to submit the abstract together with the **Participation Form (Form A)** and the attached **Form for Submission of a Paper (Form B)** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or their organization for onward transmission to the IAEA not later than **6 May 2020**.

The abstracts must contain the authors' names, affiliation and email address. The accepted file format is Microsoft Word. The filename should be in the following format: "LASTNAME_INITIAL.filetype". Authors must make sure that the files do not include copyrighted fonts or any other impediments for reproduction.

The layout of the abstract should be as follows:

Title: single-spaced, 14-point size, Times New Roman Font (TNR), **bold**

Authors: single-spaced, 12-point size, TNR Font

Affiliation: single-spaced, 12-point size, TNR Font, *italic*

Text: 1.5 spaced, 12-point size, TNR Font

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

Electronic proceedings of the event, consisting of abstracts and the materials presented at the event, will be made available to all participants on the event website.

Under the coordination of the Chair of the International Programme Advisory Committee, a summary of the event will be published as a summary paper in the journal *Nuclear Fusion*.

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 **6 May 2020**.

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.

The event will take place in meeting room C0229

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

| | |
|----------------------|---|
| 2 March 2020 | Abstract submission opens |
| 31 March 2020 | Deadline for submission of abstracts according to the instructions above for paper selection. |
| 6 May 2020 | Deadline for submission of Forms A, B and C through the appropriate governmental authority |
| 20 April 2020 | Participants will be informed about the acceptance of their papers Grant will be awarded |
| 1 June 2020 | Event begins |

International Programme Advisory Committee

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

| | |
|--------------------------|----------------|
| Stephane Calpena (Chair) | ITER |
| Sally Forbes | United Kingdom |
| Elisa Mancina | France |
| Maria Teresa Porfiri | Italy |
| Robert Stieglitz | Germany |
| Aymeric de Lhoneux | European Union |

IAEA Contacts

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Email: S.M.Gonzalez-De-Vicente@iaea.org

Administrative Secretary

Ms Marion Linter

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Department of Nuclear Sciences and Applications
International Atomic Energy Agency
Vienna International Centre
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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/Secretaries and correspondence on other matters related to the event to the Administrative Secretary.

Event website:

IAEA web site: <https://www.iaea.org/es/events/evt1904271>

Participation Form

First Joint IAEA–ITER Technical Meeting on Safety and Radiation Protection for Fusion Reactors

IAEA Headquarters, Vienna, Austria

1–3 June 2020

To be completed by the participant and sent to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission to the International Atomic Energy Agency (IAEA) either by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary S.M.Gonzalez-De-Vicente@iaea.org and to the Administrative Secretary M.Linter@iaea.org.

Participants who are members of an invited organization can submit this form to their organization for subsequent transmission to the IAEA.

Deadline for receipt by IAEA through official channels: 6 May 2020

| | | |
|---|--|-------|
| Family name: (e.g. Smith) | First name(s): (e.g. John) | Mr/Ms |
| Institution: | | |
| Full address: | | |
| Tel. (Fax): | | |
| Email: | | |
| Nationality: | Representing following Member State/non-Member State/entity or invited organization: | |
| If/as applicable: | | |
| Do you intend to submit a paper? | Yes | No |
| Would you prefer to present your paper as a poster? | Yes | No |
| Title: | | |

Form for Submission of a Paper

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Participants who are members of an invited organization can submit this form to their organization for subsequent transmission to the IAEA.

Deadline for receipt by IAEA through official channels: 6 May 2020

| | | |
|--|--|--------------|
| Title of the paper: | | |
| If applicable: Abstract ID in IAEA-INDICO: | | |
| Family name(s) and first name(s) of all author(s): e.g. Smith, John | Scientific establishment(s) in which the work has been carried out | City/Country |
| 1. | | |
| 2. | | |
| 3. | | |
| Family name and first name(s) of author presenting the paper: e.g. Smith, John | Mr/Ms: | |
| Mailing address: | | |
| Tel. (Fax): | | |
| Email: | | |
| <p>I hereby agree to assign to the International Atomic Energy Agency (IAEA):</p> <p>the copyright; or</p> <p>the non-exclusive, worldwide, free-of-charge licence (this option is only for those authors whose parent institution does not allow them to transfer the copyright for work carried out in that institution) granting the IAEA world rights for the use of the aforementioned material in this and any future editions of the publication, in all languages, and in all formats available now, or to be developed in the future (digital formats, hard copy etc.).</p> <p>Please note: If granting the licence mentioned above, please supply any copyright acknowledgement text required.</p> | | |
| <p>Furthermore, I herewith declare:</p> <p>that the material submitted to the IAEA is original, except for such excerpts from copyrighted works as may be included with the permission of the copyright holders thereof, has been written by the stated authors, has not been published before, and is not under consideration for publication by another entity;</p> <p>that any permissions and rights to publish required for third-party content, including but not limited to figures and tables, have been obtained, that all published material is correctly referenced; and</p> <p>that the material submitted to the IAEA does not contain any libellous or other unlawful statements and does not contain any materials that violate any personal or proprietary rights of any person or entity.</p> | | |
| Date: | Signature of main author: | |

Grant Application Form

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Deadline for receipt by IAEA through official channels: 6 May 2020

| | | |
|-----------------------------|----------------------------|--------|
| Family name: (e.g. Smith) | First name(s): (e.g. John) | Mr/Ms: |
| Mailing address: | Tel.: | |
| | Fax: | |
| | Email: | |
| Date of birth (yyyy/mm/dd): | Nationality: | |

1. Education (post-secondary):

| Name and place of institution | Field of study | Diploma or Degree | Years attended from to | |
|-------------------------------|----------------|-------------------|--------------------------------------|--|
| | | | | |
| | | | | |
| | | | | |

2. Recent employment record (starting with your present post):

| Name and place of employer/ organization | Title of your position | Type of work | Years attended from to | |
|---|---------------------------|--------------|--------------------------------------|--|
| | | | | |
| | | | | |
| | | | | |

3. Description of work performed over the last three years:

4. Institute's/Member State's programme in field of event:

Date: _____ **Signature of applicant:** _____

Date: _____ **Name, signature and stamp of Ministry of Foreign Affairs,
Permanent Mission to the IAEA or National Atomic
Energy Authority**
