



Atoms for Peace and Development

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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In reply please refer to: EVT2102868

Dial directly to extension: (+43 1) 2600-22013/26076

The Secretariat of the International Atomic Energy Agency (IAEA) presents its compliments to the IAEA's Member States and has the honour to draw their attention to the **Technical Meeting on the Safety of Fuel Manufacturing for Advanced Reactors** (hereinafter referred to as "event") to be held at the IAEA's Headquarters in Vienna, Austria, from **7 to 11 November 2022**.

The purpose of the event is to provide a platform for technical discussions on the safety aspects of manufacturing fuels for advanced reactors, including small modular reactors.

The attached Information Sheet provides further details of the event.

The event will be held in English.

Member States are invited to designate one or more participants to represent the Government at this event. Member States are strongly encouraged to identify suitable women participants.

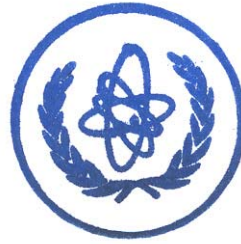
The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant 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 at the time of designating the participant(s) using the attached Grant Application Form (Form C).

It should be noted that compensation is not payable by the IAEA for any damage to or loss of personal property. The IAEA also does not provide health insurance coverage for participants in IAEA events. Arrangements for private insurance coverage on an individual basis should therefore be made. The IAEA will, however, provide insurance coverage for accidents and illnesses that clearly result from any work performed for the IAEA.

Designations should be submitted to the IAEA through the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) not later than **29 August 2022** using the attached Participation Form (Form A). Completed and authorized Participation Forms should be sent either by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Copies should be sent by email to the Scientific Secretary of the event, Mr Juraj Rovny, Division of Nuclear Installation Safety, Department of Nuclear Safety and Security (Email: J.Rovny@iaea.org), and to the Administrative Secretary, Ms Hana Kenny (Email: H.Kenny@iaea.org). The Scientific Secretary of the event will liaise with the participants directly concerning further arrangements, including travel details, as appropriate, once the official designations have been received.

Should Governments wish, in addition, to appoint one or more observers to assist and advise the designated participants, they are kindly requested to inform the IAEA of the names and contact details of any such observers by the above date. In accordance with the established rules, Governments are expected to bear the cost of attendance of any observers they may send to IAEA events. Compensation is not payable by the IAEA for any damage to or loss of observers' personal property or for illness, injury or death occurring while travelling to or in connection with their attendance at IAEA events.

The Secretariat of the International Atomic Energy Agency avails itself of this opportunity to renew to the IAEA's Member States the assurances of its highest consideration.



2022-02-08

Enclosures: Information Sheet
 Participation Form (Form A)
 Grant Application Form (Form C)



Technical Meeting on the Safety of Fuel Manufacturing for Advanced Reactors

IAEA Headquarters, Vienna, Austria

7–11 November 2022

Ref. No.: EVT2102868

Information Sheet

Introduction

The IAEA supports its Member States in improving safety of design and operation of nuclear fuel fabrication facilities. IAEA safety standards have been published in this respect. These include the Safety Requirements publication Safety of Nuclear Fuel Cycle Facilities (IAEA Safety Standards Series No. SSR-4) and Safety Guides SSG-5 and SSG-6 that provide guidance to meet the requirements established by that Safety Requirements publication for several types of nuclear fuel cycle facilities (NFCFs).

There are presently a number of innovative and advanced nuclear power reactor concepts including small modular reactors (SMRs) on which research and development work is being undertaken, and they are characterized by different design approaches, technologies and safety features, e.g.: liquid metal-cooled fast neutron reactors such as sodium-cooled fast reactors and lead-cooled fast reactors, very high temperature gas-cooled reactors, gas-cooled fast reactors, supercritical water-cooled reactors, and molten salt reactors. These designs rely among other aspects also on new nuclear fuel types with features and manufacturing processes that differ from the current fuel designs. Manufacturing of nuclear fuels for advanced reactors might require modifications to the existing facilities or design of new fuel fabrication facilities and brings new challenges for the safety of these facilities which need to be addressed in the design and operation of these facilities.

In response to this, the IAEA is organizing this Technical Meeting on the Safety of Fuel Manufacturing for Advanced Reactors, from 7 to 11 November 2022.

The range of the nuclear fuel cycle facilities covered by the event includes facilities for manufacturing of nuclear fuels for advanced reactors including nuclear fuel cycle research and development facilities; and supporting facilities.

Objectives

The purpose of the event is to provide a platform for technical discussions on the safety aspects of manufacturing fuels for advanced reactors, including small modular reactors.

Target Audience

Participation in the event is subject to designation by Governments or national organizations. The target audience are countries interested to build NFCFs for advanced fuel manufacturing as well as countries developing and offering those technologies. The Technical Meeting is open to participants from all IAEA Member States that are involved in planning, construction, operation, preparation for the decommissioning or regulatory oversight of nuclear fuel cycle facilities. Personnel from regulatory technical support organizations and regulatory interface/internal oversight staff from nuclear fuel cycle facilities may also participate in the event. Member States are invited to designate one or more participants to represent the Government at this event. Member States are strongly encouraged to identify suitable women participants.

Working Language(s)

English

Topics

In addition to presentations by the IAEA representatives on the basis of the IAEA safety standards, and on the work of the IAEA in this area, the meeting will include presentations by the participants focusing on safety aspects of manufacturing advanced fuels for novelty types reactors and SMRs. The meeting will address, inter alia, the following topics:

- IAEA Safety Standards Series No. SSR-4, Safety of Nuclear Fuel Cycle Facilities;
- Differences in fuels features for advanced reactors and the existing reactors;
- Challenges to safety associated with specific features of fuels for advanced reactors (radiological and non-radiological hazards);
- Safety features in the design and operation of the front-end fuel cycle facilities for advanced fuels;
- Member States' experience in the revision (or in the development of plans for revisions) of national regulations and guidance on safety requirements for manufacturing of advanced fuels;
- Applicability of the existing IAEA Safety Standards to manufacturing of fuels for advanced reactors, including for SMRs.

The presentations will be followed by technical discussions aiming to draw general conclusions on the topics discussed. The meeting participants will also formulate recommendations and suggestions from Member States for future actions by the IAEA Secretariat regarding requiring additional guidance and/or specific considerations for the safety of NCFs for advanced fuels manufacturing.

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 **29 August 2022**. 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.

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

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 **29 August 2022**.

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:

<https://www.iaea.org/events>.

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.

IAEA Contacts

Scientific Secretary

Mr Juraj Rovny

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Department of Nuclear Safety and Security
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Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 22013/26076

Fax: +43 1 26007

Email: J.Rovny@iaea.org

Administrative Secretary

Ms Hana Kenny

Division of Nuclear Installation Safety
Department of Nuclear Safety and Security
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 26076

Fax: +43 1 26007

Email: H.Kenny@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.

Participation Form

Technical Meeting on the Safety of Fuel Manufacturing for Advanced Reactors

IAEA Headquarters, Vienna, Austria

7–11 November 2022

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 J.Rovny@iaea.org and to the Administrative Secretary H.Kenny@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: 29 August 2022

Family name(s): (same as in passport)	First name(s): (same as in passport)	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 make a presentation? Yes <input type="checkbox"/> No <input type="checkbox"/>		
Title:		

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

Grant Application Form

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Family name(s): (same as in passport)	First name(s): (same as in passport)	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 worked	
			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 _____