



IAEA

International Atomic Energy Agency
Atoms for Peace and Development

Technical Meeting on Innovation at Operating Nuclear Power Plants

Hosted by the
Government of the United States of America

through the
Electric Power Research Institute

Miami, Florida, United States of America Austria

24–27 June 2024

Ref. No.: EVT2304612

Information Sheet

Introduction

Nuclear power is a vital element of the global electricity infrastructure. More than 370 GW(e) of nuclear capacity, from over 412 operating power reactors, generates approximately 10% of the world's electricity, contributes to a resilient and stable electric power grid, and helps address clean air and climate change goals. However, changes in the electricity infrastructure of many countries are challenging the economics of the current nuclear plant fleet. While other highly technical industries have successfully deployed innovative technology and process solutions to maintain or even enhance safety while reducing their costs the nuclear industry has been slow to fully embrace these opportunities.

The Global Forum for Nuclear Innovation focuses on accelerating deployment of innovative solutions to address the most urgent challenges facing the sustainability of the existing fleet of nuclear power reactors. The forum is organized by the Electric Power Research Institute (EPRI), the International Atomic Energy Agency (IAEA), the OECD's Nuclear Energy Agency (OECD/NEA) and the National Nuclear Laboratory (NNL) in the UK. The first forum was organised in June 2019 and hosted by KHNP in the Republic of

Korea. A second forum was held in July 2022, hosted by the UK National Nuclear Laboratory (NNL) and EDF in London, United Kingdom. A third forum will be held in June 2024, hosted by NEXTEra Energy and Florida Power and Light.

This forum focuses on the human, cultural and leadership styles and behaviours that will accelerate the deployment of innovative solutions to address the most urgent challenges facing the sustainability of nuclear power generation. It brings together nuclear plant leaders, regulators, and technology providers from around the world in a collaborative environment and will build on each of the organizer's ongoing activities.

Objectives

The purpose of the event is to gather relevant experts and share experience on recent and planned innovation at operating nuclear power plants, including how organizations might accelerate future innovation.

This event will run concurrent to the forum mentioned above, allowing participants to fully engage with all planned activities and discussions. The participants will share experiences and explore opportunities to accelerate innovation to improve the competitiveness of these facilities and ensure the ongoing role of nuclear power plants in a transition to sustainable, clean energy systems of the future.

Target Audience

This event is being developed for the benefit of a diverse group of nuclear power plant stakeholders across the nuclear power industrial sector, including utilities, regulators, technical support organizations, laboratories, governments, NGOs and academia. Executive level decision makers interested to improve the economic competitiveness of their facilities through early career professionals interested in strengthening their ability to deliver innovation within nuclear power organisations are all in the scope of targeted participants.

Working Language(s)

The working language of the meeting will be English. No 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 **1 April 2024**. 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.

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. The IAEA may also use the contact details of Applicants to inform them of the IAEA's scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA's mandate.

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 or, following participation in the forum, will make an important contribution to his or her State's nuclear power programme.

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 **1 April 2024**.

Venue

The event will be held at the Eden Roc Miami Beach Resort in Miami, Florida, USA. Participants must make their own travel and accommodation arrangements.

Visas

Participants who require a visa to enter the United States of America should submit the necessary application as soon as possible to the nearest diplomatic or consular representative of the United States of America.

Additional Information

This event will be implemented concurrently with the third Global Forum on Nuclear Innovation mentioned above, sharing the same agenda and produce a single, joint output. Experts nominated to this Technical Meeting can visit <https://www.globalnuclearinnovation.com/> for additional information and should also complete the registration process via that website.

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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.

Event Web Page

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

www.iaea.org/events/EVT2304612