



Technical Meeting on Advanced Technologies in Nuclear Security Radiation Detection and Response

Hosted by the

Government of China

through the

China Institute of Atomic Energy (CIAE)

Beijing, China

22 - 25 June 2026

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Information Sheet

Introduction

In accordance with the IAEA's Nuclear Security Plan 2022-2025 (GC65/24) and Nuclear Security Resolutions (GC (66)/Res/7), Member States have encouraged the IAEA to enhance its technical capabilities and keep abreast of scientific, technological, and engineering innovations to develop guidance and facilitate training that will support Member States in implementing measures that will effectively confront current and evolving challenges, risks and threats to nuclear security. Additionally, the Agency will undertake efforts to inform Member States of nuclear and radiation technology options which are technically feasible, economically viable, and sustainable. This Technical Meeting builds upon the successful series of meetings on Radiation Detection Instruments for Nuclear Security, with the most recent held in 2023, and represents the evolution of these discussions to address the potential of advanced technologies in nuclear security applications. As Member States face increasingly sophisticated threats and operational challenges, there is a critical need to explore how innovations in robotics, artificial intelligence, advanced sensors, and automated systems can strengthen detection and response capabilities. The meeting will provide a platform for experts to share the latest technological developments through technical presentations and focused discussion groups. It will facilitate networking opportunities and exploration of potential collaborations between academia, government, and other stakeholders to advance the field of nuclear security technology and identify sustainable solutions to current and emerging challenges.

Objectives

The objective of this event is to facilitate exchange of information on advanced technologies that can enhance nuclear security radiation detection and response capabilities by bringing together researchers, technology developers, and practitioners working on advanced technologies for nuclear security radiation detection and response with users and implementers of such technologies. Through expert presentations and focused discussion groups, the meeting will facilitate the identification of innovative applications of robotics, drones, automated systems, artificial intelligence, advanced sensors, active interrogation systems, and emerging detection technologies that can enhance nuclear security capabilities. The meeting will assess developments in expanding detection and monitoring capabilities, enhancements in detection systems, and advanced algorithms for data processing and analysis, and identify implementation challenges and regulatory considerations associated with deploying advanced technologies in nuclear security contexts.

Target Audience

Researchers, technology developers, project managers, and practitioners with knowledge and experience in advanced technologies applicable to nuclear security radiation detection and response. Participants should have technical expertise in areas such as robotics, artificial intelligence, integration of advanced sensors with radiation detection technologies, automated systems, complex spectra analysis, or other advanced technologies applied to radiation detection.

Working Language(s)

English

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 or invited organization, participants are requested to submit their application via the InTouch+ platform (<https://intouchplus.iaea.org>) to the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or organization for onward transmission to the IAEA by **10 April 2026**, following the registration procedure in InTouch+:

1. Access the InTouch+ platform (<https://intouchplus.iaea.org>):
 - Persons with an existing NUCLEUS account can sign in to the platform with their username and password;
 - Persons without an existing NUCLEUS account can register [here](#).
2. Once signed in, prospective participants can use the InTouch+ platform to:
 - Complete or update their personal details under ‘Complete Profile’ and upload the relevant supporting documents;
 - Search for the relevant event under the ‘My Eligible Events’ tab;
 - Select the Member State or invited organization they want to represent from the drop-down menu entitled ‘Designating Authority’ (if an invited organization is not listed, please contact InTouchPlus.Contact-Point@iaea.org);
 - If applicable, indicate whether a paper is being submitted and complete the relevant information;
 - If applicable, indicate whether financial support is requested and complete the relevant

- information (this is not applicable to participants from invited organizations);
- Based on the data input, the InTouch+ platform will automatically generate the Participation Form (Form A) and/or the Grant Application Form (Form C);
- Submit their application.

Once submitted through the InTouch+ platform, the application, together with the auto-generated form(s), will be transmitted automatically to the required authority for approval. If approved, the application, together with the applicable form(s), will automatically be sent to the IAEA through the online platform.

NOTE: The application for financial support should be made, together with the submission of the application, by **10 April 2026**.

For additional information on how to apply for an event, please refer to the [InTouch+ Help](#) page. Any other issues or queries related to InTouch+ can be sent to InTouchPlus.Contact-Point@iaea.org.

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. Further information can be found in the [Data Processing Notice](#) concerning the 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, together with the submission of the application, by **10 April 2026**.

Visas

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

Organization

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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.