



Technical Meeting on Artificial Intelligence and Radiation Protection in Medicine

IAEA Headquarters
Vienna, Austria
and virtual participation via Cisco Webex

8 - 10 April 2026

Ref. No.: EVT2503824

Information Sheet

Introduction

Over the past few years, artificial intelligence (AI) has emerged as a transformative tool in radiology, radiotherapy, and nuclear medicine, offering new possibilities for improving diagnostic accuracy, treatment planning, and patient outcomes. Beyond its clinical applications, AI can play an important role in radiation protection and safety by enabling individualized, efficient, and robust strategies that enhance the justification and optimization in medical uses, thereby reducing unnecessary radiation exposures and supporting the protection of patients and healthcare workers. While these innovations present significant opportunities, they also raise important challenges for patient radiation protection practices, including the need to ensure accuracy and reliability, maintain quality assurance, account for individual patient factors, prevent bias, address transparency and explainability, uphold ethical standards, and integrate AI safely and effectively into clinical workflows. The development of international guidance and harmonized best practices will be essential to ensure that AI is implemented safely, effectively, and sustainably in this area. In this context, collaboration among experts, healthcare professionals, regulators, and technology developers are vital to ensure the highest standards of safety while supporting innovation. At the same time, sharing information and experiences among professionals is becoming increasingly important, as AI in radiation-related medical applications is evolving rapidly. This technical meeting will bring together experts, stakeholders, and decision-makers from the fields of AI, radiology, radiotherapy, nuclear medicine, and radiation protection to explore the opportunities, challenges, and implications of integrating AI technologies in medical practices involving ionizing radiation, and to promote coordinated actions for their safe and effective use.

Objectives

The primary objectives of this meeting are as follows: • Review the current and emerging applications of AI in radiology, radiotherapy, and nuclear medicine, with a focus on improving clinical outcomes and

enhancing patient safety. • Identify potential challenges in applying AI to support patient radiation protection practices. • Promote the development of international guidance and best practices for the safe and effective use of AI in radiation-related medical applications. • Facilitate cross-disciplinary collaboration among AI, medical, and radiation protection communities to support innovation while maintaining a strong safety culture. • Encourage the sharing of information and experiences among professionals to keep pace with rapidly evolving AI applications and ensure knowledge exchange.

Target Audience

This Technical Meeting is intended for professionals involved in the use of AI in medical applications of ionizing radiation, with a focus on patient radiation protection and safety. Participants may include radiologists, radiation oncologists, nuclear medicine physicians, technologists, medical physicists, radiation protection officers, AI specialists, regulators, and other stakeholders engaged in the safe and effective integration of AI in radiology, radiotherapy, and nuclear medicine. Participants should have professional experience in AI-related healthcare applications for patient radiation protection and safety, or with a strong interest in applying AI to enhance radiation safety; prior involvement in related national, institutional, or research initiatives is an asset.

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 **12 December 2025**, 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 **12 December 2025**.

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 **12 December 2025**.

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.

Organization

Scientific Secretary

Ms Chadia Rizk

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International Atomic Energy Agency
Vienna International Centre
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AUSTRIA

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Fax: +43 1 26007

Email: C.Rizk@iaea.org

Administrative Secretary

Ms Hana Hirose

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Department of Nuclear Safety and Security
International Atomic Energy Agency
Vienna International Centre
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1400 VIENNA
AUSTRIA

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Fax: +43 1 26007

Email: Ha.Hirose@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.

Participation Form

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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: OfficialMail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary, Ms Chadia Rizk, Division of Radiation, Transport and Waste Safety, Department of Nuclear Safety and Security (Email: C.Rizk@iaea.org) and to the Administrative Secretary, Ms Hana Hirose, (Email: Ha.Hirose@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: 12 December 2025

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:	

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 IAEA InTouch+ platform.

Grant Application Form

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Deadline for receipt by IAEA through official channels: 12 December 2025

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 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**
