



Regional Training Course on the Safe Operation of Irradiation Facilities

Hosted by

The Government of Serbia

through the

Vinca Institute of Nuclear Sciences

Belgrade, Serbia

26 to 30 June 2023

Ref. No.: TN-RER1021-2206831

Information Sheet

Purpose

The purpose of the event is to train participants on recent approaches for the safety procedures, and security of irradiation facilities with emphasis on current safety and control strategies in line with IAEA and international standards.

Working Language(s)

The working language(s) of the event will be English.

Deadline for Nominations

Nominations received after 31 March 2023 will not be considered.

Project Background

Radiation processing exists in many European countries mainly for the sterilization of medical products and the production of advanced polymer materials. The planned further expansion of the European Union will result in increased trade, requiring strictly controlled radiation technologies through standardized quality control methods and procedures. EU and national authorities introduced new standards and regulations related to health care products, pharmaceuticals, food treatment and further development in radiation processing. Regional activities were initiated and carried out to help the establishment of radiation processing technologies and to check the existing quality control procedures in the region in industrial gamma and electron beam facilities.

Building on the achievements of previous IAEA TC regional projects, such as RER/8/017 “Enhancing Quality Control Methods and Procedures for Radiation Technology” (2009-2011), RER/1/011 “Introducing and Harmonizing Standardized Quality Control Procedures for Radiation Technologies” (2012-2013), and RER/1/017 “Using Advanced Radiation Technologies for Materials Processing (2016-2017) including a Regional Workshop on Techno-commercial Aspects for Setting New Radiation Facilities” RER1019 aims at facilitating the harmonization of selected national standards with the international standards ISO 9001, ISO 13485 and ISO 11137.

The RER1021 project ‘Enhancing the Use of Radiation Technologies in Industry and Environment’ is aimed to support the new EB (electron beam) centres, upgraded gamma irradiation facilities, and emerging radiation processing technologies, to revise and adopt the quality standards for safe operation and sustainability in the region and to exchange the capacity and knowledge among participants as well as to enhance the interregional cooperation.

To this end, this training course represents a valuable opportunity to provide regional specialists with advanced training in the field of safe operation of irradiation facilities, with emphasis on current safety and control strategies that are being employed in radiation facilities to meet international standards and on standard operating procedures to deal with any untoward emergency situation in the facility.

Expected Outputs

The expected outputs of the training course are:

- Knowledge on the application of recent approaches for the safe operation of irradiation facilities shared and enhanced ;
- Cross-stakeholder and cross-sectoral network at both the national and regional levels expanded.
- Emerging issues and challenges in the safe operation of irradiation facilities identified.

Scope and Nature

The training course will consist of presentations and group exercises covering topics related to new approaches for the safe operation of irradiation facilities.

Participants are kindly requested to prepare a short (10-15 minutes) summary - to be given during the participant introductory session at the beginning of the training course - describing their conventional approaches for safe operation for radiation processing.

Participation

The training course is open to 20 participants from the Member States in the IAEA TC Europe and Central Asia involved in the regional TC project RER1021. For this event, the target countries are those where radiation processing technologies are established or soon to be introduced.

Participants' Qualifications and Experience

The participants should be technical specialists (e.g., physicists/ engineers) with hands-on experience in operation, control, maintenance or safety regulation of radiation facilities. Priority shall be given to those candidates who are working directly in the field of radiation processing technologies.

Application Procedure

Candidates wishing to apply for this event should follow the steps below:

1. Access the InTouch+ home page (<https://intouchplus.iaea.org>) using the candidate's existing Nucleus username and password. If the candidate is not a registered Nucleus user, she/he must create a Nucleus account (<https://websso.iaea.org/IM/UserRegistrationPage.aspx>) before proceeding with the event application process below.
2. On the InTouch + platform, the candidate must:
 - a. Finalize or update her/his personal details, provide sufficient information to establish the required qualifications regarding education, language skills and work experience ('Profile' tab) and upload relevant supporting documents;
 - b. Download and complete the [Designation of Beneficiary and Emergency Contact Form](#), and upload to InTouch+ ('Profile' tab under the personal section) specifying the document name. If already provided, kindly discard this step; and
 - c. Search for the relevant technical cooperation event (EVT2206831) under the 'My Eligible Events' tab, answer the mandatory questions and lastly submit the application to the required authority.

NOTE: Completed applications need to be approved by the relevant national authority, i.e. the National Liaison Office, and submitted to the IAEA through the established official channels by the provided designation deadline.

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

Should online application submission not be possible, candidates may download the nomination form for the training course from the [IAEA website](#).

NOTE: A medical certificate signed by a registered medical practitioner dated not more than four months prior to starting date of the event must be submitted by candidates when applying for a) events with a duration exceeding one month, and/or b) all candidates over the age of 65 regardless of the event duration.

Administrative and Financial Arrangements

Nominating authorities will be informed in due course of the names of the candidates who have been selected, and will at that time be informed of the procedure to be followed with regard to administrative and financial matters.

Selected participants will receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence and miscellaneous expenses. They will also receive either a round-trip air ticket based on the most direct and economical route between the airport nearest their residence and the airport nearest the duty station through the IAEA's travel agency AX Travel Management, or a travel allowance, or they will be reimbursed travel by car/bus/train in accordance with IAEA rules for non-staff travel.

Disclaimer of Liability

The organizers of the event do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the course, and it is clearly understood that each Government, in approving his/her participation, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.

Note for female participants

Any woman engaged by the IAEA for work or training should notify the IAEA on becoming aware that she is pregnant.

The Board of Governors of the IAEA approved new International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources. The Standards deal specifically with the occupational exposure conditions of female workers by requiring, inter alia, that a female worker should, on becoming aware that she is pregnant, notify her employer in order that her working conditions may be modified, if necessary. This notification shall not be considered a reason to exclude her from work; however, her working conditions, with respect to occupational exposure shall be adapted with a view to ensuring that her embryo or foetus be afforded the same broad level of protection as required for members of the public.

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