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International Atomic Energy Agency

Agence Internationale de l'Énergie Atomique

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2019-07-26

**Subject: Regional Workshop on Radiation Techniques for Cultural Heritage Preservation, Bucharest, Romania, from 18 to 22 November 2019**

Dear National Liaison Officer / National Coordinator,

I am pleased to inform you that the International Atomic Energy Agency (IAEA) is organizing the above event under the IAEA technical cooperation project RER1019, "Enhancing Standardized Radiation Technologies and Quality Control Procedures for Human Health, Safety, Cleaner Environment and Advanced Materials".

The purpose of the event is to provide an overview on the application of radiation technology for cultural heritage preservation and to discuss new research and development results, case studies and the opportunities for this emerging application.

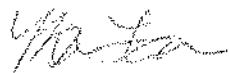
The attached Information Sheet provides further details, including technical and administrative aspects of the event. Selection of participants will be in accordance with IAEA procedures.

The IAEA will provide non-local participants with a round-trip air ticket based on the most direct and economical route between the airport nearest the participant's residence and Bucharest. Travel details will be agreed with the participants upon receipt of their official nomination. Participants will also receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence and miscellaneous expenses for the duration of the event in line with IAEA rules and procedures.

We would appreciate receiving your country's nominations by **13 September 2019** through the IAEA's InTouch+ platform (<https://intouchplus.iaea.org>). Should this not be possible, applicants may download the Nomination Form for the event from the [IAEA's webpage](#). Completed forms must be endorsed by the relevant government authority and may be sent to the IAEA, preferably by email to Official Mail - IAEA Mail address [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org), with copy to Ms Tomoko Furusawa [T.Furusawa@iaea.org](mailto:T.Furusawa@iaea.org). Please be advised that late nominations or replacements of participants after the closing date for nominations will not be accepted.

We look forward to receiving your early response.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Tomoko Furusawa', written in a cursive style.

Tomoko Furusawa  
Programme Management Officer  
Division for Europe  
Department of Technical Cooperation

Enclosure: Information Sheet



# **Regional Workshop on Radiation Techniques for Cultural Heritage Preservation**

**Hosted by**

**The Government of Romania**

**through the**

**National Institute for Physics and Nuclear Engineering "Horia Hulubei"  
(IFIN-HH)**

**Bucharest, Romania**

**18 to 22 November 2019**

**Ref. No.: ME-RER1019-1900389**

## **Information Sheet**

### **Purpose**

The purpose of the event is to provide an overview on the application of radiation technology for cultural heritage preservation and to discuss new research and development results, case studies and the opportunities for this emerging application.

### **Working Language(s)**

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

### **Deadline for Nominations**

Nominations received after **13 September 2019** 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. The 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. In particular, the project will facilitate the implementation of product and process control measures, enforced by the EU and national laws and regulations, which in turn is essential for the successful and safe operation of radiation processing installations. To this end, this event 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.

## Scope and Nature

In this workshop the participants will get detailed information about recent research and practical application of radiation treatment with ionizing radiation for cultural heritage preservation. The workshop will consist of individual presentations by participants, lectures from the experts of this field and discussions with emphasis on:

- Radiation effect on materials that constitute the cultural artefacts;
- In-situ radiation polymerization for consolidation of CH objects;
- Dosimetry for the radiation treatment of CH objects;
- Microbiological aspects for the treatment;
- Case studies and experience on radiation treatment for CH objects in Europe region;

Additionally, technical visits to IFIN-HH - IRASM Radiation Processing Centre and partner Museums which applied the radiation treatment for large CH collections will be also part of the program.

Participants are kindly requested to prepare detailed country reports on their activities, including the status of application of ionizing radiation treatment for cultural heritage preservation.

## Participation

The event is open to 20 participants from Member States.

RER1019 participating MSs and other potential MSs who would have interest in radiation processing for cultural heritage preservation.

## Participants' Qualifications and Experience

The participants should be specialists working in irradiation facilities or specialists involved in study or cultural heritage preservation.

## Application Procedure

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

1. Access the IAEA TALEO page (<https://iaea.taleo.net/careersection/ex/jobsearch.ftl>) and complete the Candidate Profile.
2. Be registered on the Nucleus page of the IAEA (<https://nucleus.iaea.org/>).
3. Through Nucleus, access the InTouch+ platform where the Profile is completed (My Profile tab) (<https://nucleus.iaea.org/Pages/InTouchPlus.aspx>).  
**NOTE:** The email used for TALEO and Nucleus must be the same. If not, the candidate's profile will not appear complete.

4. On the InTouch + platform, under the 'My InTouch +' tab, the candidate needs to:
  - a. select the institute / organization that he/she works at / represents ('My Institute' section);
  - b. click on the link called '**Refresh Personal History Form**' to update the system, *otherwise the nominations submitted will have these fields empty and it will not be possible to evaluate them during the selection of candidates* ('IAEA Recruitment Platform' section).

**NOTE:** Once the above steps are finalized, the candidate's profile will appear as completed and he/she can apply for Technical Cooperation events.

5. In the InTouch+ platform (<https://intouchplus.iaea.org>), in the 'Applications' tab, search by the event number provided in the invitation.

The help for each step is located at the top of the page. For additional help on how to register, create a profile and apply for an event, please refer to the online guide and training videos available under the following links: [how-to guide](#) and [training videos](#). Any issues or queries related to the new system can be addressed to [InTouchPlus.Contact-Point@iaea.org](mailto:InTouchPlus.Contact-Point@iaea.org) or [TC-AIPS-PL4.Contact-point@iaea.org](mailto:TC-AIPS-PL4.Contact-point@iaea.org).

Should this not be possible, applicants may download the Nomination Form for the ME from the IAEA website <https://www.iaea.org/services/technical-cooperation-programme/how-to-participate>.

Applications should contain sufficient information to establish that the nominees have the required qualifications. Please note that the information regarding LANGUAGE SKILLS, EDUCATION AND WORK EXPERIENCE is exported from TALEO. If an applicant's profile in TALEO is not updated, the information in INTOUCH+ for these sections appears as empty and the candidates cannot be evaluated. Completed applications need to be endorsed by the relevant national authority, i.e. the National Liaison Office and submitted through the established official channels.

## **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 American Express, or a travel grant, 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 event, 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.

## IAEA Contacts

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