



IAEA

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الوكالة الدولية للطاقة الذرية
国际原子能机构
International Atomic Energy Agency
Agence Internationale de l'énergie atomique
Международное агентство по атомной энергии
Organismo Internacional da Energia Atómica

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In reply, please refer to: **TN-RER1019-1900401**
Dial directly to extension: (+43 1) 2600-22992

National Liaison Officers /
National Coordinators

2019-05-02

Subject: Regional Training Course on Electron Beam Dosimetry at E-beam and Gamma Irradiation Facilities, Ekaterinburg, Russian Federation, from 26 to 30 August 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 train participants on validation and control for electron beam and gamma radiation processing including the requirements of the international standards especially "Sterilization of healthcare products - Radiation" (ISO 11137), with focus on dosimetry aspects as well as the requirements for installation qualification, operational qualification, performance qualification and routine process control.

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 Ekaterinburg. 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.

Occupational Exposure to Radiation: This activity may involve occupational exposure to radiation. Therefore, persons nominated are required to duly complete and return the attached Occupational Exposure History (OEH) form. The IAEA will provide participants in due course with a dosimeter to monitor their occupational exposure during this event.

We would appreciate receiving your country's nominations by **31 May 2019** through the IAEA's InTouch+ platform (<https://Intouchplus.iaea.org>). Should this not be possible, applicants may download the Nomination Form for the course 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, with copy to Ms Tomoko Furusawa 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,



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

Enclosures: Information Sheet
OEH Form



Regional Training Course on Electron Beam Dosimetry at E-beam and Gamma Irradiation Facilities

Hosted by

The Government of the Russian Federation

through the

Ural Federal University

Ekaterinburg, Russian Federation

26 – 30 August 2019

Ref. No.: TN-RER1019-1900401

Information Sheet

Purpose

The purpose of the event is to train participants on validation and control for electron beam and gamma radiation processing including the requirements of the international standards especially “Sterilization of healthcare products – Radiation” (ISO 11137), with focus on dosimetry aspects as well as the requirement for installation qualification, operational qualification, performance qualification and routine process control.

Working Language(s)

The working language of the event will be English.

Deadline for Nominations

Nominations received after **31 May 2019** will not be considered.

Scope and Nature

The training course will cover:

- (i) Gamma and electron radiation processing validation including IQ, OQ, PQ and routine process control. E-beam processing will be shown on the instance of Radiation Sterilization Centre of Ural Federal University, implementing of ISO 11137 in RF,
- (ii) Survey on dosimetry systems used for absorbed dose measurements both in gamma and E-beam processing with requirements for storage, preparation, conditions of irradiation and uncertainty calculation. Special attention will be paid for the calibration requirements of these dosimeter systems,
- (iii) Practical exercises on (1) measuring relationship between absorbed dose in product and E-beam irradiation parameters, (2) absorbed dose distribution measurements in real product (dose mapping) using of film dosimeters and process calorimeters,
- (iv) Visit to main customer of radiation sterilization – «Zdravmedtech company» – manufacturer of single use medical devices.

Participation

The event is open to 16 participants from Member States.

RER1019 participating MSs and other potential MSs having interest in establishing or strengthening of radiation processing with gamma or E-beam using, adopting and implementing of international standards (e.g. ISO 11137).

Participants' Qualifications and Experience

The participants should be the counterpart of the project and/or her/his designee who should be a senior researcher in charge of irradiation facilities, or those who plan to establish new irradiation facilities (gamma and electron beam) and to implement novel technologies.

Occupational Exposure to Radiation

This event may involve occupational exposure to radiation. Therefore, persons nominated are required to duly complete and return the Occupational Exposure History (OEH) form. The IAEA will provide participants in due course with a dosimeter to monitor their occupational exposure during this event.

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 or TC-AIPS-PL4.Contact-point@iaea.org.

Should this not be possible, applicants may download the Nomination Form for the TN 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 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.

IAEA Contacts

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