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International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

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2016-07-05

**Subject:** Regional Training Course on Adoption of Quality Assurance (Q/A) and Quality Control (Q/C) Methods and Procedures for Inter-comparison of Radiation Dosimetry in Radiation Facilities for Process Control, Budapest, Hungary, 3-7 October 2016

Dear National Liaison Officer,

I am pleased to invite you to send nominations of suitable candidates to participate in the above-mentioned training course under the framework of TC Project RER1017 – “Using Advanced Radiation Technologies for Materials Processing”. The purpose of the training course and related information are outlined in the attached Prospectus.

For candidates who are selected by the IAEA, the IAEA will cover the cost of return international travel from the home country to Budapest, Hungary and provide a stipend for the duration of the training course in line with IAEA rules and procedures.

Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Training Course available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/train-course/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Ms Carmina Jimenez De Bergant (IAEA Official Fax: +43-1-26007 or E-Mail [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org)), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than **1 August 2016**.

Yours sincerely,

Martin Krause

Director

Division for Europe

Department of Technical Cooperation

Enclosures: Prospectus

## International Atomic Energy Agency

### Regional Training Course on Adoption of QA/QC Methods and Procedures for Inter-comparison of Radiation Dosimetry in Radiation Facilities for Process Control

#### PROSPECTUS

- Project Number & Title:** RER1017 "Using Advanced Radiation Technologies for Materials Processing"
- Place (City, Country):** Budapest, Hungary
- Dates:** 3-7 October 2016
- Deadline for Nominations:** 1 August 2016
- Organizers:** The International Atomic Energy Agency (IAEA) in collaboration with the Government of Hungary through the Hungarian Academy of Sciences.
- Host Country Organizer:** Mr Andras Vilmos Kovacs  
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Centre for Energy Research  
Hungarian Academy of Sciences  
1121 Budapest, Konkoly-Thege M. 29-33.  
Hungary  
Tel: 0036-1-392-2528  
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E-mail: akovacs.iki@gmail.com
- Language:** English
- Purpose:** The purpose of the training course is to provide theoretical and practical training in the field of validation and control for radiation processing providing the background for understanding the requirements of the international standards with the focus on the dosimetric aspects as required in Installation Qualification (IQ), Operational Qualification (OQ), Process Qualification (PQ) and Process Control. Further, the training course will focus on planning implementation of inter-comparison of dose measurements among the Member States.
- Expected Output(s):** Qualified personnel in the field of dosimetry for radiation facility with adequate knowledge of participating in a radiation dosimetry inter-comparison exercise.

<b>Scope and Nature:</b>	The course will provide lectures and practical training in dosimetry, microbiological dose setting methods, and in international standards for radiation processing. It will further provide information on planning and implementing an inter-comparison of dose measurement among the participating Member States.
<b>Background Information:</b>	Radiation processing exists in many European countries mainly for the sterilization of medical products and for the production of advanced polymer materials. The application of radiation technologies remains one of the priority areas in scope of the European Union (EU) Framework Programme. New standards and regulations related to health care products, pharmaceuticals and food treatment and further development in radiation processing are continuously being introduced by EU and national authorities. Regional activities were initiated under and carried out under RER/1/010 and RER1/014 technical cooperation projects to help the establishment of radiation processing technologies and to enhance the quality control procedures in the region in industrial gamma and electron beam facilities. These projects have promoted the introduction and standardized use of radiation processing technologies in the European region. However, QA/QC programmes being implemented at radiation facilities need to be updated regularly and standardized through the region. The present project RER1017 aims to further enhance the use of radiation technologies to improve human health products, produce advanced materials and implement radiation technologies for environmental protection through the partnership of developed and developing countries. This partnership is likely to play a key role by helping developing countries introduce or extend their radiation processing technologies and by applying harmonized quality control methods based on international standards. Such harmonization together with the introduction of new radiation technologies will promote human health, environmental protection and technological progress in the region.
<b>Participation:</b>	<p>The training course is open up to 2 participants from each Member State who has major operational radiation facilities or is planning to install such facilities.</p> <p>The target countries are: Azerbaijan, Belarus, Bulgaria, Croatia, Czech Republic, Estonia, Greece, Hungary, Kazakhstan, Latvia, Lithuania, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Turkey and Ukraine.</p>
<b>Participants' Qualifications:</b>	The participants should be actively involved in activities in quality assurance and quality control at electron beam radiation facilities. The priority will be given to the candidates working in the field of radiation processing technology or planning implementation of this technology in the country etc., preferably the nominated participant will be expected to participate in the inter-comparison dosimetry exercise.
<b>Nomination Procedure:</b>	Nominations for the Regional training course should be submitted to the IAEA online through the Technical Cooperation Department's InTouch system ( <a href="http://intouch.iaea.org">http://intouch.iaea.org</a> ). Should this not be possible, nominations

may be submitted on the standard IAEA Nomination Form for Training Course (available on the IAEA website: <http://www.iaea.org/>). Completed forms should be endorsed by relevant national authorities and returned to the Agency through the official channels, i.e. the designated National Liaison Office for IAEA Matters.

The completed nomination forms should be sent to the Programme Management Officer for this project, Ms Carmina Jimenez De Bergant, through IAEA Official Fax (+43-1-26007) or E-Mail (Official.Mail@iaea.org), not later than **1 August 2016**. Nominations received after this date or which have not been routed through the established official channels cannot be considered.

**Administrative  
and Financial  
Arrangements:**

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

Selected participants from countries eligible to receive technical assistance will be provided with a round trip economy class air ticket from their home countries to Budapest, Hungary and a stipend sufficient to cover the cost of their accommodation, food, and minor incidentals. Shipment of accumulated training course materials to the participants' home countries is not the responsibility of the IAEA.

The organizers of the training course 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 training course, and it is clearly understood that each Government, in nominating participants, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.