

International Atomic Energy Agency

Postgraduate Educational Course on Radiation Protection and the Safety of Radiation Sources

PROSPECTUS

Project Number & Title:	RER/9/109 “Strengthening Education and Training Infrastructures and Building Competence in Radiation Safety”
Place (City, Country):	Aghia Paraskevi, Greece
Dates:	6 October 2014 – 27 March 2015
Deadline for Nominations:	1 July 2014
Organizers:	The International Atomic Energy Agency (IAEA) in collaboration with the Government of Greece through the Greek Atomic Energy Commission
Host Country Organizer:	Mr Konstantinos Karfopoulos Division of Research, Development and Education Greek Atomic Energy Commission P.O. Box 60092 153 10 Agjoa Greece Tel: +30 210 6506770 Fax: +30 210 650 6748 E-mail: kkarfop@eeae.gr
Language:	English
Purpose:	The purpose of the training course is to meet the educational and training requirements of graduate level staff earmarked for senior positions in radiation protection and the safety of radiation sources.
Expected Output(s):	Experts in radiation protection trained and educated in relevant IAEA Safety Standards (including the International Basic Safety Standards).
Scope and Nature:	The course will consist of lectures, practical exercises, laboratory exercises, demonstrations, technical visits in the field, with examinations. Topics of the course include: Review of fundamentals; Quantities and measurements; Biological effects of ionizing radiation; International System of Radiation Protection and the Regulatory Framework; Assessment of external and internal exposures; Planned Exposure Situations (General Requirements; Occupational, Public and Medical Exposure); Emergency Exposure Situations; Existing

Exposure Situations; Training the trainers; Project Assignment.

Participants are expected to carry out a mini research project to demonstrate their knowledge and skills acquired within the course. The project should be aimed at solving a specific radiation protection problem in their home country and participants are expected to present their project at the end of the course. Selected candidates should therefore bring suitable ideas/topics for the project.

Participants are expected to attend all lectures, practical exercises and technical visits, and are required to sit compulsory examinations to assess their knowledge and skills. On-line pre-training will be carried out prior to the start of the course, and written examinations will be held at the start and throughout the course. Participants who do not perform well in the examinations may be requested to return home and may be required to reimburse any fees to IAEA.

Background Information:

Building competence through education and training in radiation safety is fundamental to the establishment of a comprehensive and sustainable national infrastructure for radiation safety, which in turn is essential for protecting people from the harmful effects of radiation. Especially important to the effectiveness of such an infrastructure is the high-level education and training of regulators, future decision makers, as well as key personnel from relevant national bodies such as technical support organizations.

For that purpose the project RER/9/109 is aimed at supporting Member States to implement a strategy for education and training in radiation, transport and waste safety, and to maintain and expand competencies in the region facilitating the implementation of the national education and training programmes.

The Postgraduate Educational Course for radiation protection and the safety of radiation sources is one of the main competence building tools developed for that purpose.

Participation:

The training course is open to up to 20 (including local) participants from countries that participate in the project RER/9/109, subject to the availability of funds.

The target countries are: Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Georgia, Greece, Hungary, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Montenegro, Poland, Portugal, Malta, Republic of Moldova, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Tajikistan, The former Yugoslav Republic of Macedonia, Turkey, Ukraine and Uzbekistan.

Participants' Qualifications:

The course is aimed at young professionals who need to acquire a sound basis in radiation protection and the safety of radiation sources. Participants should **not be over 35 years** of age and should have a university degree either in physics or in a physics-related discipline (e.g. nuclear engineering); or in chemistry/biomedical sciences combined with at least 3 years of experience working in the field of radiation protection.

Participants should either be working in the field of radiation protection and safety of radiation sources in their country, or have been earmarked to work in this area on completion of the course.

Participants are expected to become, over the course of time, senior regulators, senior decision makers or trainers in this important field: this should be considered by the nominating authorities when proposing candidates.

As the training course will be conducted in English, participants should be very proficient in this language so that they can easily follow lectures and express themselves without difficulty.

**Nomination
Procedure:**

Nominations should be submitted to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Should this not be possible, nominations may be submitted on the standard IAEA Application Form for Training Courses (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 Mayumi Yamamoto, by fax: +43 1 26007 or via email: Official.Mail@iaea.org, not later than **1 July 2014**. 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 Aghia Paraskevi, Greece, 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.