



The Abdus Salam
**International Centre
for Theoretical Physics**
www.ictp.it



ICTP-IAEA International School on Nuclear Security

27 March - 7 April 2017
Miramare - Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP) and the International Atomic Energy Agency (IAEA), in collaboration with the Ministry of Foreign Affairs of Italy and the Partnership for Nuclear Security, is organizing an **International School on Nuclear Security**, which will be held at ICTP, Trieste, Italy, **from 27 March to 7 April 2017**.

The two-week School is designed for young professionals from developing countries, ideally with 1-3 years of experience, working at relevant institution in their home country. Candidates should have a specific career interest in, or knowledge of nuclear security, although their academic and technical background may vary. Candidates with a scientific or technical background in a discipline of relevance to nuclear security, such as nuclear physics, nuclear engineering or political science, and/or in related fields, are especially encouraged to apply.

CURRICULUM TOPICS

- International legal framework supporting nuclear security
- Identification of, and measures to address, threats against nuclear security
- Instruments and methods for physical protection at associated facilities
- Threat and risk assessment, detection architecture and response plan for material out of regulatory control
- Radiation detection instruments and detection strategies and techniques
- Transport security for nuclear and other radioactive material
- Nuclear forensics and radiological crime scene management
- Nuclear security culture, computer and information security, and security at major public events
- Measures for systematic nuclear security human resource development at the national level

Additionally, there will be practical exercises, designed to incorporate the acquired knowledge into national planning and procedures to protect against threats to nuclear security.

PARTICIPATION

Prerequisites:

As a prerequisite to admission to the School, all applicants will be asked to complete IAEA introductory e-learning modules on several topics in nuclear security:

- *Use of Radiation Detection Instruments for Front Line Officers*
- *Transport Security*
- *Computer Security*
- *NMAC for Nuclear Security*
- *Radiological Crime Scene Management*
- *Physical Protection*

The modules are available only online: <http://olms-nkm.iaea.org/m2/course/index.php?categoryid=48>

The estimated time for completing the courses is between 1 and 4.5 hours. Upon successful completion of each module, the system will generate a personalized certificate. Please submit all certificates of completion (as pdf or jpg files) with the online application form for this School. In case of technical problems please contact: nsnselearning@iaea.org

The School will be conducted in English; participants therefore must have adequate command of this language.

A limited number of grants are available to support the travel and living expenses of selected participants, with priority given to participants working in a developing country and who are at the early stages of their career.

There is no registration fee. Please note that daily attendance is compulsory for all participants and is a prerequisite for the certificate at the end of the course. This includes participation in the technical visit on the weekend.

HOW TO APPLY

The application form can be accessed via the School website: <http://indico.ictp.it/event/7954/>

The website also includes comprehensive step-by-step instructions on how to fill out and submit the online application form. Detailed information about the modules will also be available on the application page. Deadline: **11 December 2016**.

School Co-Directors: Mr. C. Tuniz (ICTP) and Mr. D. Nikonov (IAEA)

School Secretary: Ms. F. Delconte

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ORGANIZERS



IAEA
International Atomic Energy Agency



Ministero degli Affari Esteri

CO-SPONSORS



Application deadline

11 December 2016

