



The Abdus Salam
**International Centre
for Theoretical Physics**



Joint ICTP-IAEA International School on Nuclear Security

Description:

The two-week School is designed for early career professionals from developing countries, ideally with 1-3 years of experience and working at relevant institutions in their home countries. The school provides an intense contemporary overview of nuclear security. Candidates should have a specific career interest in or knowledge of nuclear security, although academic and technical backgrounds may vary. Candidates with a scientific or technical background in a discipline such as nuclear physics, nuclear engineering, international relations, law enforcement, or related fields are especially encouraged to apply.

MORE DETAILS:

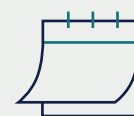
The school will consist of a series of lectures, group discussions and practical exercises, designed to incorporate the acquired knowledge into national planning and procedures to protect against threats to nuclear security. A technical visit will be conducted to show the participants some detection equipment and their applications.

TOPICS:

- Nuclear Security Overview and Essential Elements
- International legal framework for nuclear security
- Identification of and measures to address, threats against nuclear security
- Physical protection of nuclear material and nuclear facilities
- Physical protection system design and evaluation
- Nuclear security regime for radioactive material and associated facilities
- Transport security for nuclear and other radioactive material
- Threat and risk assessment, nuclear security detection architecture
- Radiation detection instruments and detection strategies and techniques
- Nuclear security culture, concept and definition, self-assessment and enhancement
- Information and computer security
- Introduction to Nuclear Material Accounting & Control and threats addressed by NMAC
- Threat and risk for material out of regulatory control
- Nuclear security systems and measures for major public events
- Incident and trafficking database global analysis
- Nuclear forensics and radiological crime scene management
- IAEA Programmes and Assistance for Human Resource Development in Nuclear Security
- Gender Equality and Diversity in Nuclear Security

PREREQUISITES:

As a prerequisite to be eligible for the selection process, all applicants are asked to complete at least 8 of the 21 existing IAEA E-Learning modules on nuclear security, based on their choices. Please find the link to all e-learning modules: <https://www.iaea.org/topics/security-of-nuclear-and-other-radioactive-material/nuclear-security-e-learning> In case of technical issues, please contact: nsnselearning@iaea.org



22 April - 3 May 2024



Trieste, Italy



**Deadline:
22 January 2024**

DIRECTOR:

Ms. Oum Keltoum HAKAM, IAEA, Austria

LOCAL ORGANISER:

Sandro SCANDOLO, ICTP, Italy

FURTHER INFORMATION:



E-mail: smr3931@ictp.it

Web: <http://indico.ictp.it/event/10469/>

Female scientists are encouraged to apply.

GRANTS:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

