



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 INFORMATION:

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 22 existing IAEA E-Learning modules on nuclear security, based on their choices. Please find the link to all e-learning modules:

<https://elearning.iaea.org/m2/course/index.php?categoryid=48>.

In case of technical issues, please contact: nsnselearning@iaea.org



13 - 24 April 2026



Trieste, Italy



**Deadline:
23 January 2026**

DIRECTOR:

Shintaro Ito, IAEA, Austria

LOCAL ORGANIZER:

Sandro Scandolo, ICTP, Italy

FURTHER INFORMATION:

E-mail: smr4211@ictp.it

Web: <https://indico.ictp.it/event/11137/>

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.



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International Atomic Energy Agency
Atoms for Peace and Development

