

# Joint ICTP-IAEA International School on Nuclear Security



**6 -17 March 2023**  
**An ICTP-IAEA Meeting**  
**Trieste, Italy**

Further information:  
<http://indico.ictp.it/event/10061/>  
[smr3819@ictp.it](mailto:smr3819@ictp.it)

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 country. 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.

The School will consist of a series of lectures 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.

## 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: <http://elearning.iaea.org/m2/course/index.php?categoryid=48>  
In case of technical issues, please contact: [nsnselearning@iaea.org](mailto:nsnselearning@iaea.org)

## 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

## How to apply:

Online application:  
<http://indico.ictp.it/event/10061/>

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.

## Scientific Secretary:

O. HAKAM, IAEA

## Local Organiser:

S. SCANDOLO, ICTP

## Deadline:

**11 December 2022**



The Abdus Salam  
**International Centre  
for Theoretical Physics**  
[www.ictp.it](http://www.ictp.it)  
Trieste, Italy

