

Joint ICTP-IAEA 2022 International School on Nuclear Security



19 - 29 April 2022
An ICTP - IAEA Virtual Meeting
Trieste, Italy

Further information:
<http://indico.ictp.it/event/9779/>
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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.

Director:

O. HAKAM, IAEA, Austria

Prerequisites:

As a prerequisite to be eligible for the selection process, all applicants are asked to complete at least 8 of the 19 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>

Given the global health situation due to COVID 19 pandemic and travel restrictions, the International Atomic Energy Agency has re-designed the curriculum of the International School on Nuclear Security to be adapted to the virtual format.

Topics:

- Nuclear Security Overview
- International legal framework for nuclear security
- Identification of and measures to address, threats against nuclear security
- Nuclear Security Regime: Objective and Essential Elements
- 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

Local Organiser:

C. TUNIZ, ICTP, Italy

A virtual technical visit will be conducted to show the participants some detection equipment and their applications.

How to apply:

Online application:
<http://indico.ictp.it/event/9779/>

Registration:

There is no registration fee.

Deadline:

4 April 2022

Female scientists are encouraged to apply.



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