

International Conference on Nuclear Security 2020

Monday 10 February 2020 - Friday 14 February 2020

Scientific Programme

PP: Nuclear security of nuclear fuel cycle facilities: emerging technologies and associated challenges and complex threats

PP: Research reactor security

PP: Design basis threat and threat assessment: prevention and protection

PP: Physical protection systems: evaluation and assessment

PP: Newcomers to nuclear power and research reactors: opportunities and challenges

PP: Nuclear security of new nuclear technologies (e.g., small modular reactors)

PP: Security by design, including in newcomer countries

PP: Transport of nuclear and other radioactive material: practices, challenges and regulatory issues

PP: Nuclear security of decommissioned facilities and the facilities being decommissioned

PP: International Physical Protection Advisory Service: good practices and lessons learned

PP: Application of the graded approach and defence in depth to nuclear security

PP: The Amended Convention on the Physical Protection of Nuclear Material review conference in 2021

PP: Minimization, on a voluntary basis, of high enriched uranium within civilian stocks and where technically and economically feasible

PP: Risk-informed approach to the security of radioactive material in use and in storage

PP: Insider threats

PP: Nuclear security vulnerability assessments

PP: Nuclear material accounting and control

PP: National accounting and control measures of radioactive materials

MORC: Building and maintaining nuclear security detection architecture

MORC: Preventing illicit trafficking of nuclear and radioactive material

MORC: International Nuclear Security Advisory Service for nuclear and other radioactive material out of regulatory control

MORC: Detection technology development and performance testing

MORC: Coordinated response to nuclear security events

MORC: Nuclear security as part of the security of major public events

MORC: Nuclear forensics

MORC: Nuclear security in major urban areas

MORC: The IAEA's technical support for States that takes into consideration complex threats and challenges including geographical condition

CC: National nuclear security regulations

CC: Capacity building (e.g. human resource development and sustainability, nuclear security education and job-specific performance training including for newcomer countries)

CC: Role of Nuclear Security Support Centers to support and sustain national nuclear security regimes

CC: Implementation of national legislative and regulatory frameworks, and international instruments

CC: Information and computer security considerations for nuclear security

CC: Information exchange for incidents of nuclear and other radioactive material out of regulatory control

CC: Nuclear security culture in practice with a focus on sustainability

CC: Nuclear safety and security interfaces

CC: Emergency preparedness and response and nuclear security interfaces

CC: Establishing and formalizing nuclear security processes into integrated management systems

CC: Use of IAEA and other international guidelines for building national nuclear security regimes

CC: National nuclear security inspections: training of inspectors, development of procedures and managing findings

CC: Good practices in the development and execution of nuclear security exercises (e.g. tabletop, drills and field exercises);

CC: Identification of national needs through the development of an Integrated Nuclear Security Support Plan

CC: Innovative technologies to reduce nuclear security risks and improve cost effectiveness, where feasible

CC: Risks and benefits to nuclear security from innovations in other fields, including artificial intelligence and big data

CC: Advances in nuclear security research and development; international cooperation on nuclear security research

CC: Contribution of industry to nuclear security