

International Conference on Nuclear Security: Sustaining and Strengthening Efforts

10–14 February 2020

PROVISIONAL PROGRAMME

Organized by the
International Atomic Energy Agency (IAEA)

IAEA Headquarters Vienna, Austria

Introduction

The International Atomic Energy Agency (IAEA) is organizing the third International Conference on Nuclear Security: Sustaining and Strengthening Efforts (ICONS 2020) — at its headquarters in Vienna, Austria, from 10 to 14 February 2020.

The Conference will feature:

- A ministerial segment during which ministers will deliver national statements and adopt a Ministerial Declaration; and
- A scientific and technical programme comprising high-level policy discussions on the overall themes central to nuclear security and parallel technical sessions on related specialized scientific and technical, legal and regulatory issues.

The previous conference, held in 2016, attracted over 2000 participants, including 47 government ministers, from 139 Member States and 29 intergovernmental and non-governmental organizations.

Registration

Please register your attendance at the Information Desk at the entrance of the M Building.

The Information Desk and the Conference Secretariat in MOE67 will be staffed throughout the conference and our colleagues there will be happy to assist you.

Conference App

The IAEA Conferences and Meetings App provides a one-stop access to information on the Conference and exhibitions. The app also allows users to put together their own personalized schedule of events. Via this app participants will be able to view contributed papers and the latest conference programme, message other participants, and view PowerPoint presentations released after the event. Participants will receive an email inviting them to register for the app approximately one week before the conference.

For iPhone or iPad users, get your free download through the Apple iTunes Store; those with Android devices can visit the Google Play Store.

For PC/Mac users, please visit this web page:
<https://event.do/iaea/a/#/events/3301>

Conference Website & NUSEC Portal

Additional information such as the Conference app, programme, National Statements, registration procedures and general logistical information can be found either on the Conference website: <https://www.iaea.org/events/nuclear-security-conference-2020> or the IAEA's Nuclear Security Information Portal (NUSEC).

NUSEC is a secure, centralized and interactive online platform designed to help strengthen the Nuclear Security community worldwide by facilitating the exchange of up-to-date nuclear security information between the IAEA, its Member States and its international partners. After the conference, full papers and presentations will be posted on NUSEC. Please visit <https://nusec.iaea.org> for access and new member registration.

Conference Overview

Monday 10 February and Tuesday 11 February comprise the Ministerial Segment of the conference, during which ministers and heads of delegation will have an opportunity to make national statements related to nuclear security. In addition, a Ministerial Declaration is expected to be adopted in the plenary session in the morning of Monday 10 February 2020.

Participants in the Scientific and Technical Programme are welcome to follow the proceedings of the Ministerial Segment in the following overflow rooms: Board Room A and M2.

The Scientific and Technical Programme will commence immediately after the conclusion of the Ministerial Segment and will continue through the rest of the week, concluding with the President's Report on Friday afternoon. This programme consists of five high-level technical sessions and 54 technical sessions that cover a wide array of topics relevant to nuclear security. The high-level sessions will take place in Board Room B/M1, while the parallel technical sessions will take place in Board Room A, Board Room B/M1, Rooms M2, M3, M5, M6, M7 and in the Press Room.

Interactive Content Presentations

This conference features digital poster presentations called Interactive Content Presentations (ICPs). After briefly introducing the poster presentations in the Conference Room, the Chairperson will direct the session audience to the ICP stations on the first floor of the M Building where the presentations will be held.

All ICP presenters are kindly requested to attend the ICP briefing to receive final logistical instructions. These briefings will occur at 08:30 every day at the ICP Station (M Building, First Floor, in front of Conference Room M2) on the assigned day of their presentation.

ICP presenters are encouraged to make use of the preview centre on the ground floor (M0E68) for a final check of their presentations and to familiarize themselves with the touchscreen displays at least one day in advance of their respective presentations.

Poster Presentations

Poster presentations will be held at the M02 Poster Exhibition Space (2nd Floor of M Building) outside Board Room A. Each poster presenter has been assigned to a session that will last one full day of the conference. Poster presenters should bring a hard copy of their poster to the Poster Exhibition Space after 18:00 on the day prior, or before 09:00 on the day of, their assigned presentation day. Poster presenters will need to affix their posters on the board bearing the related paper number. Posters should be removed at the end of their presentation day (18:00) to allow mounting of the posters for the next day.

Discussions

All sessions will be recorded. Anyone who wishes to take the floor, e.g. during question periods should, after having been recognized by the Chairperson, use one of the microphones available in the meeting room and begin their question or comment by stating their name, country and organization and be as clear and concise as possible.

Media

The media will have access to all sessions except for the Technical Sessions of the conference.

Interactive Session

During the extended lunch hour of 14:00 to 15:30 hours on Monday, 10 February, there is an opportunity for Ministers and other Heads of Delegation (plus 1) to participate in an “Interactive Session” that is designed to highlight the Convention on the Physical Protection of Nuclear Material (CPPNM) and the Amendment to the Convention on the Physical Protection of Nuclear Material (A-CPPNM).

The interactive session will be closed to the media and public and will be held on a not-for-attribution basis to encourage discussion. No formal national statements are expected, and statements will not be recorded. The session will be facilitated in English, with simultaneous interpretation into all official languages.

Side Events

A number of side events are scheduled throughout the Conference Programme, organized by interested Member States and Organizations and related to a number of topics relevant to nuclear security. All side events are open to all conference participants. A full schedule of side events can be found at the end of the programme.

Refreshments during the Technical Programme

Coffee and refreshments will be available during the morning and afternoon breaks courtesy of voluntary contributions provided by a number of organizations and companies, as acknowledged in the programme insert. Additionally, we are very pleased to host a number of companies and organizations exhibiting their products and services at this conference.

All hosted coffee breaks will be held on the ground and first floor of the M Building, as well as the Rotunda (C Building). Please take the time to visit and talk with the exhibitors.

Internet Access

Wireless access to the internet is available throughout the M Building, no password is needed.

An internet corner is located at the back of the ground floor of the M Building.

Bank and Post Office

Banking Services and a post office are located on the first floor of the C Building.

Programme Committee:

Chairman	S. I. Spassov	Bulgaria
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	M. L. Melon	Argentina
	S. Hills	Australia
	J. Powell	Australia
	A. Jackson	Australia
	M. F. Garcia	Brazil
	P. P. Brasil	Brazil
	M. Boehlke	Brazil
	T. Crockett	Canada
	N. Semblat	Canada
	R. Tennant	Canada
	J. Bao	China
	Q. Qin	China
	G. Liu	China
	P. Funk	France
	V. Lesage	France
	L. Olmedo	France
	R. Gaucher	France
	M. Prevost	France
	C. Engelhardt	Germany
	T. Muetzelburg	Germany
	J. M. C. Johari	Indonesia
	R. K. Ilahi	Indonesia
	K. Khairul	Indonesia
	R. Keswani	India
	N. M. Kojouri	Iran
	T. M-P. Ferami	Iran
	H. Matsuo	Japan
	Y. Ichihara	Japan
	M. Hisaeda	Japan
	Z. Molnar	Japan
	C. Mulrooney	Japan
	K. Hamada	Japan
	M. Yoshikawa	Japan
	M. Koh	Republic of Korea
	S. H. Jeong	Republic of Korea
	M. Schraver	Netherlands
	J. Vrijland	Netherlands

H. Den Rik	Netherlands
A. Ter Hoeve-Van Heek	Netherlands
E. C. Verhoeff	Netherlands
M. Smulders	Netherlands
W. Tolud	Netherlands
A. Manzoor	Pakistan
H. Ahmed	Pakistan
A. Saeed	Pakistan
L. E. P. Chevalier	Panama
E. Sichra	Panama
S. Repanovici	Romania
N. Kozlova	Russian Federation
T. Afanasyeva	Russian Federation
P. Tsvetov	Russian Federation
M. Dye	South Africa
D.G. De Salazar	Spain
D. A. Perez Baez	Spain
D. C. Aragon	Spain
A. De Las Casas Fuentes	Spain
C. Torres Vidal	Spain
L. F. Abad	Spain
A. I. Jimenez	Spain
A. M. Olmo	Spain
D. Calic	Switzerland
B. Laggner	Switzerland
B. Stauffer	Switzerland
A. Kara	Turkey
I. Isik Civelik	Turkey
N. Sobey	United Kingdom
A. Barrow	United Kingdom
E. Kang	USA
E. Melamed	USA
N. Fragoyannis	USA
G. Irola	USA
N. Barrows	USA
R. Howell	USA
B. Shulman	USA
M. Barlow	USA
S. Dickerson	USA
D. Lenoir	European Union
V. Ranguelova	European Union
S. Abousahl	European Union

IAEA Secretariat:

Scientific Secretary: D. Chen

Event Organizer: M. Neuhold
S. Padmanabhan

Scientific and Administrative Support: C. Bal
M. Bermudez-Samiei
C. G. Gherardini
M. Kenny
A. Konstantinov
K. Tajer

Location of the Event:

International Atomic Energy Agency
Vienna International Centre (VIC)
Building M, BRB/M1

Wagramer Strasse 5
A-1400 Vienna, Austria
Tel.: (+43 1) 2600 21330

Working Language:

The working languages of the Ministerial Segment will be the six official languages of the IAEA: Arabic, Chinese, English, French, Russian and Spanish. Interpretation into all six official languages will also be provided during the Interactive Session for Ministers and Heads of Delegation, the Opening Plenary of the Scientific and Technical Segment and High-Level Panel 1, Role of the IAEA in Nuclear Security.

Resolutions:

No resolutions may be submitted for consideration on any subject; no votes will be taken.

IAEA Mobile Conference Application



Participants are encouraged to download the “IAEA Conference and Meetings” App available on Google Play and the iTunes Store.

Android

iPhone



The functions and features of the App for smartphones and tablets will be used for various purposes during the event:



View an up-to-date programme



Check floor map of the sessions and exhibitors



Read abstracts and full-papers of speakers



Raise questions to speakers during session



Send messages to other participants



Receive announcements via push-notification

If you have questions or require assistance on the App, please contact the Information Desk.

TIMETABLE

Sunday, 9 February 2020

Time	Session Title / Break	Venue
12:00–18:00	Registration	Gate 1

Monday, 10 February 2020

Time	Session Title / Break	Venue
07:30–ongoing	Registration	Gate 1
10:00–10:30	Opening Plenary: Ministerial Segment	Board Room B/M1
10:30–11:00	Adoption of Ministerial Declaration	Board Room B/M1
11:00–13:00	National Statements	Board Room B/M1
13:00–14:00	<i>Lunch Break</i>	
13:00–14:00	10 years of Joint ICTP-IAEA International School on Nuclear Security in Trieste: Achievements and Perspective	Conference Room M6
13:00–14:00	2019 International Symposium on Transport Security of Nuclear and Radiological Material in Japan	ESPACE M1
13:00–14:00	Stories from Member States	Conference Room M5
14:00–15:30	Interactive Session	Board Room C
15:30–21:00	National Statements	Board Room B/M1
16:00–17:00	Ministerial Side Event: Towards a Stronger Global Legal Framework for Nuclear Security	ESPACE M1

Tuesday, 11 February 2020

Time	Session Title / Break	Venue
09:00–09:30	Opening Plenary: Scientific and Technical Segment	Board Room B/M1
09:30–11:00	High Level Panel Session 1: Role of the IAEA in Nuclear Security	Board Room B/M1
11:00–11:30	<i>Interactive Content Presentations and Coffee Break</i>	First floor, M Building
11:00–12:00	National Statements	Board Room B/M1
11:30–13:00	Technical Session 1A: Preventing Illicit Trafficking of Nuclear and Radioactive Material: Part 1	Press Room

Time	Session Title / Break	Venue
11:30–13:00	Technical Session 1B: Minimization, on a Voluntary Basis, of High Enriched Uranium within Civilian Stocks and where Technically and Economically Feasible	Conference Room M2
11:30–13:00	Technical Session 1C: National Nuclear Security Regulations: Part 1	Conference Room M3
11:30–13:00	Technical Session 1D: Identification, Classification, and Protection of Digital Assets in a Nuclear Security Regime	Conference Room M5
11:30–13:00	Technical Session 1E: Role of Nuclear Security Support Centers	Conference Room M6
11:30–13:00	Technical Session 1F: Nuclear Material Accounting and Control and National Accounting and Control Measures for Radioactive Material	Conference Room M7
11:30–13:00	Technical Session 1G: Regional Experiences in Nuclear Security	Board Room A
13:00–14:30	<i>Lunch Break, Side Events and Exhibitions</i>	
14:30–17:30	National Statements	Board Room B/M1
14:30–16:00	Technical Session 1H: Innovative Technologies to Reduce Nuclear Security Risks and Improve Cost Effectiveness, where Feasible: Part 1	Press Room
14:30–16:00	Technical Session 1I: Physical Protection Systems: Evaluation and Assessment	Conference Room M2
14:30–16:00	Technical Session 1J: National Nuclear Security Regulations: Part 2	Conference Room M3
14:30–16:00	Technical Session 1K: Computer Security Risk Management for Nuclear Security	Conference Room M5
14:30–16:00	Technical Session 1L: Good Practices in the Development and Execution of Nuclear Security Exercises: National Experiences	Conference Room M6
14:30–16:00	Technical Session 1M: Identification of National Needs through the Development of an Integrated Nuclear Security Support Plan	Conference Room M7
16:00–16:30	<i>Interactive Content Presentations and Coffee Break</i>	
16:30–17:30	Technical Session 1N: Research Reactor Security	Press Room
16:30–17:30	Technical Session 1O: International Physical Protection Advisory Service: Good Practices and Lessons Learned	Conference Room M2
16:30–17:30	Technical Session 1P: Insider Threat	Conference Room M3
16:30–17:30	Technical Session 1Q: Secure Digital Asset Design Techniques	Conference Room M5
16:30–17:30	Technical Session 1R: Risks and Benefits to Nuclear Security from Innovations in Other Fields, including Artificial Intelligence and Big Data	Conference Room M6
16:30–17:30	Technical Session 1S: Capacity Building: Education	Conference Room M7

Time	Session Title / Break	Venue
17:30–19:30	<i>Reception hosted by the Director General</i>	Ground floor, M Building
19:00–20:30	Essay Competition Award Ceremony & NuSec Talks: 2020 and Beyond	Board Room A

Wednesday, 12 February 2020

Time	Session Title / Break	Venue
09:00–10:30	High Level Panel Session 2: Emerging Technologies and the Digital Age	Board Room B/M1
10:30–11:00	<i>Coffee Break, Posters and Interactive Content Presentations</i>	
11:00–12:30	Technical Session 2A: Physical Protection Systems: Evaluation and Assessment	Conference Room M2
11:00–12:30	Technical Session 2B: Nuclear Security of Nuclear Fuel Cycle Facilities: Emerging Technologies and Associated Challenges and Complex Threats	Conference Room M3
11:00–12:30	Technical Session 2C: Assurance Activities for Computer Security	Conference Room M5
11:00–12:30	Technical Session 2D: Emergency Preparedness and Response and Nuclear Security Interfaces	Conference Room M6
11:00–12:30	Technical Session 2E: Preventing Illicit Trafficking of Nuclear and Radioactive Material: Part 2	Conference Room M7
11:00–12:30	Technical Session 2F: Capacity Building, Human Resource Development and Job-Specific Training in Nuclear Security	Board Room B/M1
11:00–12:30	Interactive Content Presentation: Detection Technology	Press Room
12:30–14:00	<i>Lunch Break, Side Events and Exhibitions</i>	
14:00–15:30	High Level Panel Session 3: International Legally and Non-legally Binding Instruments for Nuclear Security	Board Room B/M1
15:30–16:00	<i>Coffee Break, Posters and Interactive Content Presentations</i>	
16:00–17:30	Technical Session 2H: National Nuclear Security Regulations: Part 3	Conference Room M2
16:00–17:30	Technical Session 2I: Addressing Security from the Start: Security by Design and Newcomers	Conference Room M3
16:00–17:30	Technical Session 2J: Threat Assessment (including DBT) for Computer Security	Conference Room M5
16:00–17:30	Technical Session 2K: Detection Technology Performance Testing	Board Room B/M1
16:00–17:30	Technical Session 2L: Nuclear Security of New Nuclear Technologies (e.g., small modular reactors)	Conference Room M7
16:00–17:30	Technical Session 2M: The Amended Convention on the Physical Protection of Nuclear Material Review Conference in 2021	Board Room A

Time	Session Title / Break	Venue
16:00–17:30	Interactive Content Presentation: Computer and Information Security	Press Room
17:30–19:30	<i>Reception hosted by the European Union and its Member States</i>	Ground floor, M Building

Thursday, 13 February 2020

Time	Session Title / Break	Venue
9:00–10:30	High Level Panel Session 4: National Nuclear Security Regimes	Board Room B/M1
10:30–11:00	<i>Coffee Break, Posters and Interactive Content Presentations</i>	
11:00–12:30	Technical Session 3A: Implementation of National Legislative and Regulatory Frameworks, and International Instruments: Part 1	Conference Room M2
11:00–12:30	Technical Session 3B: Transportation: Part 1	Conference Room M3
11:00–12:30	Technical Session 3C: National Strategies for Information and Computer Security	Board Room A
11:00–12:30	Technical Session 3D: Nuclear Safety/Security Interface: National Experiences	Conference Room M6
11:00–12:30	Technical Session 3E: Implementation of National Legislative and Regulatory Frameworks, and International Instruments: Part 2	Conference Room M7
11:00–12:30	Technical Session 3F: Advances in Nuclear Security Research and Development; International Cooperation on Nuclear Security Research	Board Room B/M1
11:00–12:30	Interactive Content Presentation: Nuclear Forensics	Press Room
12:30–14:00	<i>Lunch Break, Side Events and Exhibitions</i>	
14:00–15:30	Technical Session 3H: National Nuclear Security Inspections	Conference Room M2
14:00–15:30	Technical Session 3I: Transportation: Part 2	Conference Room M3
14:00–15:30	Technical Session 3J: Insider Threat - Computer and Information Security	Board Room A
14:00–15:30	Technical Session 3K: Nuclear Security for Major Public Events	Conference Room M6
14:00–15:30	Technical Session 3L: Nuclear Forensics - Create and Sustain	Conference Room M7
14:00–15:30	Technical Session 3M: Innovative Technologies to Reduce Nuclear Security Risks and Improve Cost Effectiveness, where Feasible: Part 2	Board Room B/M1
15:30–16:00	<i>Coffee Break, Posters and Interactive Content Presentations</i>	

Time	Session Title / Break	Venue
16:00–17:30	Technical Session 3O: Achieving Nuclear Security Effectiveness: The Role of Vulnerability Assessments & DBT/ATS	Conference Room M3
16:00–17:30	Technical Session 3P: Future Trends and Activities in Computer Security	Board Room B/M1
16:00–17:30	Technical Session 3Q: Risk-Informed Approach to the Security of Radioactive Material in Use and in Storage and Application of the Graded Approach and Defense in Depth to Nuclear Security	Conference Room M6
16:00–17:30	Technical Session 3R: Nuclear Security Culture: Performance Indicators: Part 1	Conference Room M7
16:00–17:30	Technical Session 3S: Nuclear Forensics Collaborative Efforts	Board Room A

Friday, 14 February 2020

Time	Session Title / Break	Venue
09:00–10:30	High Level Panel Session 5: International Cooperation in Information Exchange, Sharing of Good Practices and Broader Experience to Enhance Nuclear Security	Board Room B/M1
10:30–11:00	<i>Coffee Break / Interactive Content Presentations</i>	
11:00–12:30	Technical Session 4A: Coordinated Response to NS Event	Conference Room M2
11:00–12:30	Technical Session 4B: Building and Maintaining a Nuclear Security Architecture	Conference Room M3
11:00–12:30	Technical Session 4C: IAEA Coordinated Research Programmes for Information and Computer Security	Conference Room M5
11:00–12:30	Technical Session 4D: Nuclear Safety/Security Interface: Implementation	Conference Room M6
11:00–12:30	Technical Session 4E: Nuclear Security Culture: Performance Indicators: Part 2	Conference Room M7
11:00–12:30	Technical Session 4F: Capacity Building - NGOS	Board Room A
12:30–13:30	<i>Lunch Break</i>	
13:30–14:30	Interactive Session	Board Room B/M1
14:30–15:00	Closing Plenary	Board Room B/M1

Monday, 10 February 2020

10:00–21:00 OPENING PLENARY: MINISTERIAL SEGMENT

Time	Session Title / Break	Venue
10:00–10:30	Opening Plenary: Ministerial Segment	Board Room B/M1
	Rafael Mariano Grossi, Director General	
Co-Presidents	Federico Alfaro, Panama Vice minister of Foreign Affairs	
	Bogdan Aurescu, Romania Minister of Foreign Affairs	
10:30–11:00	Adoption of Ministerial Declaration	Board Room B/M1
11:00–13:00	National Statements	Board Room B/M1
<i>13:00–14:00</i>	<i>Lunch Break / Side Events / Exhibitions</i>	
14:00–15:30	Interactive Session	Board Room C
15:30–21:00	National Statements	Board Room B/M1
16:00–17:00	Towards a Stronger Global Legal Framework for Nuclear Security	ESPACE M1

Tuesday, 11 February 2020**09:00–20:00 OPENING PLENARY: SCIENTIFIC AND TECHNICAL SEGMENT**

Time	Session Title / Break	Venue
09:00–09:30	Opening Plenary: Scientific and Technical Segment Rafael Mariano Grossi, Director General	Board Room B/M1
09:30–11:00	High Level Panel session 1: Role of the IAEA in Nuclear Security	Board Room B/M1
11:00–12:00	National Statements	Board Room B/M1
13:00–14:30	<i>Lunch Break / Side Events / Exhibitions</i>	
14:30–17:30	National Statements	Board Room B/M1
17:30–19:00	<i>Reception</i>	Ground floor, M Building
19:00–20:00	NuSec Talks: 2020 and Beyond & Essay Competition	Board Room A

Tuesday, 11 February 2020

9:30–11:00 **HIGH LEVEL PANEL SESSION 1:** **Board Room B/M1**
Role of the IAEA in Nuclear Security

Chairperson: **C. Istrate, Romania**

Technical Officer: **D. Liu, IAEA**

Time	Name	Designating Member State/Organization
09:30–11:00	H. Hulan Ambassador of Canada to Austria and Slovakia, Permanent Representative to the International Organizations in Vienna	Canada
	J. F. Facetti Ambassador and Permanent Representative of Paraguay at the UN: Agencies in Vienna	Paraguay
	O. A. Youssef Ambassador of Egypt to Austria, Permanent Representative to the International Organizations in Vienna	Egypt
	W. Janssens Head of Department Nuclear Security and Safeguards, EC-JRC	EU/EC-JRC
	S. C. Kim President of the Korea Institute of Nuclear Nonproliferation and Control (KINAC)	Republic of Korea
	A. Ganzer Acting Deputy Assistant Secretary for Nonproliferation Policy, Bureau of International Security and Nonproliferation, Department of State	USA
11:00–11:30	<i>Interactive Content Presentations and Coffee Break</i>	

Tuesday, 11 February 2020

11:00–11:30 INTERACTIVE CONTENT PRESENTATION 1 ICP Station,
First floor, M building

ICP Station	Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
1	11:00–11:15	8	F. Petruceli	Brazil	The nuclear security concerns on the recently developed Brazilian national nuclear policy
	11:15–11:30	191	T. Hack	Finland	Recent changes in National Legislative and Regulatory Framework for the Physical Protection of Nuclear Material in Use, Storage and Transport and for Nuclear Facilities: Finland
2	11:00–11:15	557	S. Malkawi	Jordan	Enhancing the Sustainability of Nuclear Security in Newcomer Countries through Addressing Country Specific Issues in Education and Training Programs
	11:15–11:30	509	G. Sharma	India	Surveillance using unattended transmission: A powerful control tool for enhancing nuclear security
3	11:00–11:15	60	D. Johnson	WINS	WINS: Supporting the Sustainability of Nuclear Security Training and Support Centres
	11:15–11:30	236	L. De Laet	Belgium	How to react on signs of changes in behaviour that might be signs of concern?

Tuesday, 11 February 2020

11:30–13:00 TECHNICAL SESSION 1B: Conference Room M2
Minimization, on a Voluntary Basis, of High Enriched Uranium within Civilian Stocks and where Technically and Economically Feasible

Chairperson: S. Dickerson, USA

Technical Officer: A. Hallock, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–13:00	391	S. Roecker	USA	Nuclear Material Removal History, Successes, Challenges, and Best Practices
	397	E. Batyrbekov	Kazakhstan	Downblending of HEU graphite fuel in Kazakhstan
	463	H. Unesaki	Japan	KUCA Conversion Project - challenges and achievements -
	604	S. Van den Berghe	Belgium	BR2 LEU Conversion with High Density Silicide Fuel

13:00–14:30 Lunch Break / Side Events / Exhibitions

Tuesday, 11 February 2020

11:30–13:00 TECHNICAL SESSION 1C: National Nuclear Security Regulations: Part 1 **Conference Room M3**

Chairperson: **Z. A. Baig, Pakistan**

Technical Officer: **S. Vleugels, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–11:40	570	A. I. Apostol	Romania	Study on the implementation of nuclear forensics in various legal systems
11:40–11:50	105	M. J. Botha	Australia	Making Australian Nuclear Security Regime Fit for Purpose
11:50–12:00	458	A. Saveliev	Russian Federation	Nuclear forensics: further development and stability improvement
12:00–12:10	379	S. Helton	USA	Crediting Law Enforcement Response in the U.S. Nuclear Regulatory Commission's Security Inspection Program
12:10–12:20	634	L. Valentino	Argentina	Nuclear security in the Argentine regulatory standards
12:20–13:00	Q&A Session			
13:00–14:30	<i>Lunch Break / Side Events / Exhibitions</i>			

Tuesday, 11 February 2020

11:30–13:00 TECHNICAL SESSION 1E: Conference Room M6
Role of Nuclear Security Support Centers

Chairperson: P. O'Brien, USA

Technical Officer: J. Conner, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–11:40	186	A. Livsic	Lithuania	A new horizon for the NSSC network: good practices in taking a systematic and sustainable approach to cooperation in nuclear security
11:40–11:50	241	Y. Naoi	Japan	Good Practices and Outcomes of the Asia Regional Network of Nuclear Security Training Support Centres
11:50–12:00	440	N. F. Rabani	Malaysia	The benefit in Developing and Implementing Instructor Training for Front Line Officer on Nuclear Security Detection in Malaysia
12:00–12:10	313	S. Drapey	Ukraine	From theory to practice on physical security (the experience of GKTC)
12:10–12:20	507	K. Khairul	Indonesia	Design of the Physical Protection Training Laboratory: Strengthening Effort to Sustain Nuclear Security Capacity Building, BATAN's Experiences
12:20–13:00	Q&A Session			
13:00–14:30	<i>Lunch Break / Side Events / Exhibitions</i>			

Tuesday, 11 February 2020

11:30–13:00 TECHNICAL SESSION 1G: Board Room A
Regional Experiences in Nuclear Security

Chairperson: K. Alshoubaki, Jordan

Technical Officer: H. Negm, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–13:00	151	M. Goulart	EU/EC-JRC	Sustainability for capacity building in CBRN security; the EU perspective
	633	D. S. Mosbah Khalefa	AAEA	AAEA Role in Strengthening Nuclear Security Infrastructure in Arab Countries
	46	M. Caballero-Anthony	Singapore	Nuclear security governance in the Indo/Asia-Pacific: Building out from Southeast Asia?
	569	K. Mrabit	Morocco	Strengthening the global security: the role of national, regional and international cooperation
	140	M. Senzaki	Japan	Activities and Challenges of Nuclear Security within the Forum for Nuclear Cooperation in Asia (FNCA)

13:00–14:30 Lunch Break / Side Events / Exhibitions

Tuesday, 11 February 2020

**14:30–16:00 TECHNICAL SESSION 1I:
Physical Protection Systems: Evaluation
and Assessment**

Conference Room M2

Chairperson: M. Labyntseva, Russian Federation

Technical Officer: D. Shull, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:40	341	J. Edwards	United Kingdom	Modelling and Simulation to inform decision making on Physical Protection Solution and Land Management
14:40–14:50	88	A. Tolba	Egypt	IAEA's Technical support for Establishing Requirements for the Security Up-Grades at Egypt's Second Research Reactor Complex
14:50–15:00	409	M. Sandoval	USA	Radiological Material Security in Large Panoramic Irradiators: Lessons Learned
15:00–15:10	422	G. Verner	USA	Performance Testing in the Secure Transport of Nuclear, Radiological, and other High-Risk Materials
15:10–15:20	223	M. F. H. Mizban	Iraq	Challenges of maintaining the security of radioactive sources of categories 1, 2 and 3 in case of abnormal conditions
15:20–15:30	441	V. Kharlamov	Russian Federation	Specific Aspect of Physical Protection System Development for Nuclear Facility: Russian experience and lessons learned from international assistance and support activities
15:30–16:00	Q&A Session			
16:00–16:30	<i>Coffee Break / Interactive Content Presentations</i>			

Tuesday, 11 February 2020

14:30–16:00 TECHNICAL SESSION 1J: National Nuclear Security Regulations: Part 2 Conference Room M3

Chairperson: F. Morris, USA

Technical Officer: K. Horvath, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:40	384	M. V. Roston	Argentina	Nuclear Regulatory Authority Activities in Nuclear Security
14:40–14:50	235	S. Al Saadi	UAE	Nuclear Security – Integrated licence for Operation of first unit of Barakah NPP in the United Arab Emirates
14:50–15:00	31	T. Walter	Germany	IEC Standard-Family on Cybersecurity for Nuclear Power Plants
15:00–15:10	383	J. Beardsley	USA	U.S. Cyber Security Experiences
15:10–15:20	284	S. Van Dyke	USA	Implementing Cyber Security into an Existing National Nuclear Non-Proliferation Program – A Case Study
15:20–16:00	Q&A Session			
16:00–16:30	<i>Coffee Break / Interactive Content Presentations</i>			

Tuesday, 11 February 2020

14:30–16:00 TECHNICAL SESSION 1L: Conference Room M6
Good Practices in the Development and Execution of Nuclear Security Exercises: National Experiences

Chairperson: N. Benson Nino, Panama

Technical Officer: T. Pelletier, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:40	635	A. Keizer	Netherlands	Cyber Security Exercise Georgius 2019
14:40–14:50	265	D. Estes	USA	National benefits of strengthening nuclear security through tabletop exercises: perspectives from US communities
14:50–15:00	282	R. Busquim e Silva	Brazil	The Asherah Nuclear Power Plant Simulator (ANS) as a training tool at the Brazilian Guard Cyber Exercise
15:00–15:10	7	S. Tomažič	Slovenia	First national exercise in computer security in nuclear sector in Slovenia
15:10–15:20	132	I. Tsourounakis	Greece	Implementing a Tabletop Exercise (TTX) for assessing PPS's efficiency in National Center for Scientific Research "Demokritos"
15:20–15:30	288	T. Takikawa	Japan	Response Framework against Cyber-attacks and Computer Security Exercises conducted by NPP Operators in Japan
15:30–16:00	Q&A Session			
16:00–16:30	<i>Coffee Break / Interactive Content Presentations</i>			

Tuesday, 11 February 2020

14:30–16:00 TECHNICAL SESSION 1M: Conference Room M7
Identification of National Needs through
the Development of an Integrated Nuclear
Security Support Plan

Chairperson: J. Seguis, Philippines

Technical Officer: M. Man, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:40	14	M. A. Mogahed	Sudan	INSSP contributes to strengthening the Sudan nuclear security regime
14:40–14:50	139	H. Kasiwattanawut	Thailand	A Policy Study Using Self-Assessment Tools to Assess Thailand's Readiness and to Strengthen National Nuclear Security Regime
14:50–15:00	247	J. Chipuru	Zimbabwe	The Integrated Nuclear Security Support Plan (INSSP) as a Strategy for Building and Sustaining Effective National Nuclear Security Regimes. A Case Study of Zimbabwe
15:00–15:10	12	N. Alawadhi	Kuwait	National Nuclear Security Regime In The State Of Kuwait: Role Of The IAEA
15:10–15:20	322	B. Nsouli	Lebanon	INSSP Implementation in Lebanon: Ten years of achievements and the way forward
15:20–15:30	193	L. L. Oo	Myanmar	Strengthening and Sustaining National Nuclear Security through the Integrated Nuclear Security Support Plan (INSSP) Implementation
15:30–15:40	NA	A. A. Jalloh	Sierra Leone	Identification of National Needs through the INSSP – Sierra Leone as a Case Study
15:40–16:00	Q&A Session			
16:00–16:30	<i>Coffee Break / Interactive Content Presentations</i>			

Tuesday, 11 February 2020

16:00–16:30 INTERACTIVE CONTENT PRESENTATION 2 ICP Station,
First floor, M building

ICP Station	Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
1	16:00–16:15	10	M. Ibrahim	Malaysia	A Knowledge-based Insiders Trustworthiness Evaluation System (KITES)
	16:15–16:30	222	R. Hoffman	USA	Impact of IoT (Internet of Things) on traditional Insider Threat Mitigation
2	16:00–16:15	205	R. Paci	Albania	Elements of integrating safety and security during inspection in Albania
	16:15–16:30	90	A. Tolba	Egypt	A Proposed Design for: Security Lighting and Cameras Surveillance System for Optimum Supervision at a Perimeter Area
3	16:00–16:15	94	J-S. Choi	USA	An Effect-Centric Approach to Assessing and Comparing Cybersecurity Risks against Digital Systems at Nuclear Facilities
	16:15–16:30	267	A. Simo	Cameroon	Cameroon's Experience in Regulatory Oversight for Adoption and Implementation of Nuclear Security Regime

Tuesday, 11 February 2020**16:30–17:30 TECHNICAL SESSION 1N:
Research Reactor Security****Press Room****Chairperson: O. K. Hakam, Morocco****Technical Officer: M. Ahmed, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:30–16:38	377	E. Reed	USA	Using a Graded Approach in the Oversight of Security at NRC-Licensed Research Reactors
16:38–16:46	299	S. Adu	Ghana	Review the Assessment Methodologies for Nuclear Security for Research Reactors and Associated Facilities (RRAF)
16:46–16:52	27	A. Sfetsos	Greece	Quantifying Potential Target Attractiveness In Research Reactors And Associated Facilities
16:52–17:00	103	M. Abdelaal	Egypt	Project Management Strategy of Physical Protection System Upgrading for Nuclear Facility
17:00–17:08	361	J. Harris	USA	Nuclear security risk analysis of an higher education institution research reactor
17:08–17:15	435	G. S. Wijaya	Indonesia	Enhancing of the Yogyakarta nuclear facilities safety and security system, by implementing the sireess digital application
17:15–17:30	Q&A Session			

Tuesday, 11 February 2020

**16:30–17:30 TECHNICAL SESSION 1P:
Insider Threat**

Conference Room M3

Chairperson: L. de Laet, Belgium

Technical Officer: M. Cravens, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:30–16:40	339	R. Rodger	United Kingdom	Countering the Insider Threat
16:40–16:50	424	A. Milojevich	USA	Insider Analysis in the Secure Transport of Nuclear, Radiological, and other High-Risk Materials
16:50–17:00	197	M. Assaf	Jordan	Mitigation of Insider Threat by Enhancing Human Reliability Program
17:00–17:10	445	Y. V. Ibrahim	Nigeria	Implementation of a Sustainable Human Reliability Program for a Low Power Research Reactor Facility in Nigeria
17:10–17:30	Q&A Session			

Tuesday, 11 February 2020**16:30–17:30 TECHNICAL SESSION 1Q:
Secure Digital Asset Design Techniques****Conference Room M5****Chairperson: S. Zhurin, Russian Federation****Technical Officer: B. Zhu, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:30–16:40	170	C. Neal	Canada	Advancements in Hardening the Cybersecurity Posture of Nuclear Power Plant Defense-in-Depth Network Architecture
16:40–16:50	294	A. S. M. Ibrahim	Egypt	Development of Hardware-based Computer Security Controls for Advanced PWR Reactors
16:50–17:00	450	N. Howarth	Australia	Computer Security Considerations for Nuclear Material Software Development
17:00–17:10	553	P. Pederson	USA	Cyber Resilient Hardware Controller
17:10–17:20	526	S. Lee	Republic of Korea	Breaking Siemens Protocol and Cheating on Distributed Control Systems
17:20–17:30	Q&A Session			

Tuesday, 11 February 2020

**16:30–17:30 TECHNICAL SESSION 1R:
Risks and Benefits to Nuclear Security
from Innovations in Other Fields,
including Artificial Intelligence and Big
Data**

Conference Room M6

Chairperson: I. Annisa, Indonesia

Technical Officer: M. Mohamed, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:30–16:40	19	C. Hobbs	United Kingdom	Reconceptualising Nuclear Security as a Business Enabler: Opportunities and Challenges
16:40–16:50	25	A. Solyman	Egypt	Increasing Log-Access Security System Based On Face Recognition
16:50–17:00	354	Z. Zhao	China	Nuclear Facility Low Altitude Threat and Defense Technology
17:00–17:10	551	S. Clements	USA	Evaluating Security Implications of the “Splinternet”
17:10–17:20	352	D. Decker	Stimson Centre	Prioritizing Actions for Managing Cyber Security Risks
17:20–17:30	Q&A Session			

Tuesday, 11 February 2020

**16:30–17:30 TECHNICAL SESSION 1S:
Capacity Building: Education**

Conference Room M7

Chairperson: S. Spassov, Bulgaria

Technical Officer: D. Nikonov, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:30–16:40	420	G. Adams	USA	Sustaining Nuclear Security Regimes through Continuous Learning Experiences: A Case Study in Knowledge Management Systems Supporting Human Resource Development
16:40–16:50	611	G. Lebedev	Russian Federation	Role of the IAEA in Coordination of International Cooperation in the Area of Nuclear Security: Remarkable Collaborative Efforts and Programmes of the Agency and Russian Federation
16:50–17:00	42	I. Ahmad	Pakistan	Capacity building in nuclear security education and job specific trainings in Pakistan
17:00–17:10	388/ 353	J. Galy	EU/EC-JRC	The Border Monitoring Working Group Front Line Officer Training EU efforts in strengthening Customs capabilities in combatting nuclear and radiological smuggling through training and technical support at the EUSECTRA
17:10–17:20	536	T. Bibik	Ukraine	Lessons Learned from Developing the Graduate Nuclear Security Curriculum at the Kyiv Polytechnic Institute
17:20–17:30	522	J. Manion	USA	Capacity-Building to Achieve Sustainable Security: Successful International Cooperation in the Dominican Republic
17:20–17:30	Q&A Session			

Wednesday, 12 February 2020

9:00–10:30 **HIGH LEVEL PANEL SESSION 2:** **Board Room B/M1**
Emerging Technologies and the Digital
Age

Chairperson: **Z. A. Baig, Pakistan**

Technical **S. Purvis, IAEA**
Officer:

Time	Name	Designating Member State/Organization
09:00–10:30	K. Mayer Project leader at the JRC in charge of Nuclear Security related activities, including nuclear forensics, EC-JRC	EU/EC-JRC
	J. Tilden Associate Administrator and Deputy Under Secretary for Counterterrorism and Counterproliferation, Department of Energy	USA
	N. Faith Nuclear Corporate Security: Cyber Security Manager, Exelon Generation	USA
	A. Dyer Group Chief Information Security Officer at URENCO Ltd	United Kingdom
	Y. Liu Director General of State Nuclear Security Technology Center	China
10:30–11:00	<i>Coffee Break / Posters / Interactive Content Presentations</i>	

Wednesday, 12 February 2020

**10:30–11:00 INTERACTIVE CONTENT PRESENTATION 3 ICP Station,
First floor, M building**

ICP Station	Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
1	10:30–10:45	375	J. Atencio	USA	Implementing a Counter Unmanned Aircraft System Program at a high-security nuclear facility
2	10:30–10:45	492	S. Soon Jang	Republic of Korea	Vulnerability Assessment using Modeling and Simulation: Applications and Lessons Learned
3	10:30–10:45	194	G. Nguyen Dinh	Viet Nam	Incidents of radioactive material out of regulatory control in Vietnam
	10:45–11:00	427	S. Rane	India	Quantitative Model for Assessing Facility Level Radiological Risk

Poster Station	Paper No.	Name	Designating Member State/Organization	Title of Paper
4	496	E. Bylyku	Albania	Building Capacity in Member States through Coordinated Research Activities – Increased understanding and performance in nuclear security in Albania
5	28	D. Soguero	Cuba	Experiences from continuous improvement of nuclear security at CEADEN
7	33	O. Agbenorku	Ghana	Cyber security approach for nuclear facility: Ghana's perspective
9	504	C. Gamulani	Malawi	Nuclear Security Regulations in Malawi
13	52	E. Kovacs-Szeles	Hungary	An IAEA Nuclear Forensics Collaborating Centre in Hungary: a Partner Laboratory
17	416	M. Abd El Samia	Egypt	Establishing and Developing an Effective Nuclear Security Culture at Regulatory Bodies
19	72	J. Galy	EU/EC-JRC	Strengthening Nuclear Security through professional development and training: from best practice to successful implementation
21	461	Y. Han	China	Alarm data research of Vehicle Radiation Portal Monitor (RPM)
22	150	M. N. M. kamari	Malaysia	Evaluation of Computer Security Culture for Nuclear Security in Malaysia's Medical Institution
26	394	J. Dickerson	USA	Conversion of Miniature Neutron Source Reactors from High Enriched Uranium to Low Enriched Uranium
29	426	S. Peper	USA	Meeting the Needs of NSSCs: A Modular Approach to Train-the-Trainer
31	565	D. Kovchegin	Russian Federation	Implementing Sustainability Programme: Lessons Learnt from the U.S.-Russian Nuclear Security Cooperation
37	126	R. Mohd Tahar	Malaysia	Stumbling Block in Transport Security – Uncovering The Reality

Poster Station	Paper No.	Name	Designating Member State/Organization	Title of Paper
39	130	H. Tagziria	EU/EC-JRC	Performance of a novel gamma-ray imager for nuclear security applications
41	429	F. Ferdiansjah	Indonesia	Vulnerability Assessment to Several Nuclear Facilities: an Effort to Improving Nuclear Security Capability in Indonesia through Higher Education
45	356	M. Hryhorenko	Ukraine	Building the Next Generation of Nuclear Forensic Scientists: the GUAM Nuclear Forensics Summer School
47	437	S. Jovanovic	Montenegro	Education, Knowledge, Competence - Fundamental Prerequisites for Nuclear Security
53	177	J. Kwon	Republic of Korea	Experience Sharing from Nuclear Security Measures for 2018 Pyeong Chang Winter Olympic
55	180	K. Pa Pa Tun	Myanmar	Myanmar's Effort to Sustain National Nuclear Security Regime and International Cooperation in Strengthening of Nuclear Security
59	444	A. Chilulu	Zambia	Physical protection of spent radioactive sources
61	396	TBD	USA	Strengthening Testing and Evaluation Capabilities for the Long-Term Sustainability of Nuclear Detection Architectures
63	238	F. Al Hammadi	UAE	The UAE's regulation and licence for nuclear security transportation of Unirradiated fresh fuel
65	449	A. Hasanova	Azerbaijan	Strengthening nuclear security framework and role of the regional, bilateral agreements and IAEA assistance
67	455	H. Garba Barke	Niger	Virtualization-assisted testing of network security systems for NPPs
69	441	A. Solovev	Russian Federation	Specific Aspect of Physical Protection System Development for Nuclear Facility: Russian experience and lessons learned from international assistance and support activities
71	268	H. Rabiou	Niger	Nuclear security as part of the security of major public events: The African Heads of states Conference

Poster Station	Paper No.	Name	Designating Member State/Organization	Title of Paper
73	457	E. Kovacs-Szeles	Hungary	NSSC in Hungary: operating experiences on field of scientific support
77	306	A. Krasnoborodko	Russian Federation	Nuclear security aspect of the new NRNU MEPHI master program for Rostechnadzor
79	469	Y. Liu	USA	Integrating Safety and Security by Design for Transportation Packagings of Nuclear and Other Radioactive Material
81	315	J. Liwanga	Burkina Faso	Drafting regulations on the transport security of nuclear and others radioactive materials: experiences of African states
83	482	R. Gomaa	Egypt	Systematic Approach to Safety and Security; Challenges and Opportunities
87	491	TBD	Indonesia	Development of Employee Performance Indicator for Predicting the Insider Threat Behavior
89	362	U. W. De Silva	Sri Lanka	Sri Lankan Experience on Security of Radioactive Materials in Transport from a Regulator's Perspective
91	494	I. Mayida	Zimbabwe	Management of neutron and low-intermediate level gamma Disused Sealed Radioactive Sources (DSRS) (Waste) in Zimbabwe
93	380	M. Ekman	USA	Cesium Chloride: Risks and Alternatives

Wednesday, 12 February 2020**11:00–12:30 TECHNICAL SESSION 2A:
Physical Protection Systems: Evaluation
and Assessment****Conference Room M2****Chairperson: N. Noro, Japan****Technical
Officer: D. Shull, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	78	S. Chirayath	India	Evaluation of the Effectiveness of Physical Protection System for Nuclear and other Radioactive Materials Used in Research Institutes
11:10–11:20	190	J. C. Batista Fiel	Brazil	Nuclear security project for a Brazilian facility
11:20–11:30	520	T. Williams	USA	Adapting to Response - Customized Alarm Response Training
11:30–11:40	199	A. Izmaylov	Russian Federation	Significance and Challenges of Physical Protection Systems Effectiveness Evaluation for Nuclear Material and Nuclear Facilities
11:40–12:30	Q&A Session			
12:30–14:00	<i>Lunch Break / Side Events / Exhibitions</i>			

Wednesday, 12 February 2020

**11:00–12:30 TECHNICAL SESSION 2B:
Nuclear Security of Nuclear Fuel Cycle
Facilities: Emerging Technologies and
Associated Challenges and Complex
Threats**

Conference Room M3

Chairperson: W. Janssens, EU/EC-JRC

Technical Officer: A. Shakoor, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	270	O. Martin	USA	DOE NNSA Office of International Nuclear Security Activities and Proposed Implementation Strategies under Emerging Threats and Technologies Working Group
11:10–11:20	568	J. Václav	Slovakia	Nuclear Security in Slovak Republic
11:20–11:30	487	A. Kamprad	Germany	German-Ukrainian Cooperation in Nuclear Security
11:30–11:40	372	M. Pomper	NTI	Strengthening National and International Plutonium Management Approaches
11:40–11:50	332	A. Egorov	Russian Federation	Review of regulations concerning physical protection of nuclear facilities in the Russian Federation
11:50–12:00	23	A. Solodov	USA	Development of a Framework for Analyzing Impact of Emerging Technologies on Nuclear and Radiological Security
12:00–12:30	Q&A Session			
12:30–14:00	<i>Lunch Break / Side Events / Exhibitions</i>			

Wednesday, 12 February 2020**11:00–12:30 TECHNICAL SESSION 2C:
Assurance Activities for Computer
Security****Conference Room M5****Chairperson: S. Tomazič, Slovenia****Technical Officer: B. Jovanovski, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	318	I. Ben Zid	Germany	Consideration of Artificial Intelligence for Cybersecurity Aspects of I&C Systems
11:10–11:20	546	G. Landine	USA	A Proven Approach for Effective Computer Security Self-Assessments at Nuclear Facilities
11:20–11:30	549	D. Christensen	USA	Providing Guidance for Creating Information Security Continuous Monitoring Programs to Support Transitioning to Ongoing Authorizations in Nuclear Security Programs
11:30–11:40	643	M. Hewes	IAEA	Scenario Development Through Mapping Transitive Digital Trust Relationships in Computer-based Systems
11:40–12:30	Q&A Session			
12:30–14:00	<i>Lunch Break / Side Events / Exhibitions</i>			

Wednesday, 12 February 2020**11:00–12:30 TECHNICAL SESSION 2D:
Emergency Preparedness and Response
and Nuclear Security Interfaces****Conference Room M6****Chairperson: A. Heinrich, USA****Technical Officer: O. Bukharin, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	386	A. Ibrahim	Nigeria	Preparing for a nuclear terrorist attack by creating a unified response through national nuclear response frameworks
11:10–11:20	312	U. Gendotti	Switzerland	TERRIFFIC: Tools for the initial 30 minutes after a CBRNe incident
11:20–11:30	542	E. Mohres	USA	Improving National-Level Guidance to Local Nuclear Safety Programs
11:30–11:40	594	D. Gupta	Germany	Blue team support for EPS related cybersecurity readiness
11:40–12:30	Q&A Session			
12:30–14:00	<i>Lunch Break / Side Events / Exhibitions</i>			

Wednesday, 12 February 2020**11:00–12:30 TECHNICAL SESSION 2E:
Preventing Illicit Trafficking of Nuclear
and Radioactive Material: Part 2****Conference Room M7****Chairperson: N. F. Bakri, Malaysia****Technical Officer: A. McQuaid, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	589	H. Tagziria	EU/EC-JRC	Results of the EU project for an effective Container Inspection at Border Control Points (C-BORD) in Support to Customs
11:10–11:20	599	A. I. Rusli	Malaysia	Does time matter for Front Line Officer (FLO) in cargo assessment to determine the presence of nuclear and other radioactive material out of regulatory control? Trade facilitation vs Nuclear Security
11:20–11:30	93	H. Kroeger	Germany	Co-60 in scrap metal containers
11:30–11:40	638	D. W. Shao	United Republic of Tanzania	Evaluation of National Strategies for Regaining Control over Radioactive Material in the United Republic of Tanzania from 2009 to 2018
11:40–11:50	588	B. G. Göktepe	Turkey	Regional information sharing system to combat nuclear terrorism a probabilistic risk assessment approach
11:50–12:00	614	M. Voytchev	France	International standards for the performance of radiation detection instruments used in the global nuclear security framework
12:00–12:30	Q&A Session			
12:30–14:00	<i>Lunch Break / Side Events / Exhibitions</i>			

Wednesday, 12 February 2020

11:00–12:30 TECHNICAL SESSION 2F: Board Room B/M1
Capacity Building, Human Resource
Development and Job-Specific Training in
Nuclear Security

Chairperson: P. Funk, France

Technical Officer: A. Kazennov, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	293	M. Labyntseva	Russian Federation	Capacity Development of the Global Nuclear Safety and Security Institute in the Field of Nuclear Security
11:10–11:20	617	P. N. G. Rathnaweera	Sri Lanka	Effective Opportunities for Gender Equality, Career Advancement, and Knowledge Building: Serving as a Chief Scientific Investigator
11:20–11:30	276	M. Stewart-Smith	USA	Adult learning and nuclear security: the important role of adult learning educational practices for impactful cross-disciplinary nuclear security training
11:30–11:40	349	D. Romano	USA	Integrated Response Training Focused On Soft Targets Housing Radiological Sources-A Flexible Approach
11:40–12:30	Q&A Session			
12:30–14:00	<i>Lunch Break / Side Events / Exhibitions</i>			

Wednesday, 12 February 2020

**11:00–12:30 INTERACTIVE CONTENT PRESENTATION: Press Room
Detection Technology**

Paper No.	Name	Designating Member State/Organization	Title of Paper
145	H. Yücel	Turkey	Investigation of radioisotope source masking effects on uranium gamma-ray spectra in determining of ²³⁵ U abundance in uranium samples
184	A. Andreeva	Russian Federation	Identification of RBMK and VVER spent nuclear fuel batches by means of HGRS in course of forensic examination
321	G. Bentoumi	Canada	Advanced methods for radioactive and nuclear (RN) materials detection and characterization
460	A. Kovacs	Hungary	Field test of the C-BORD (effective Container inspection at BORDER control points) project at the land border crossing place in Rösztke, Hungary
593	N. Ranasinghe	Sri Lanka	Improved specifications, performance, and understanding of radiation detection equipment used for nuclear security – outcomes of participation in IAEA coordinated research activities
403	S. Abousahl	EU/EC-JRC	The Border Monitoring Working Group Achievements and History
462	P. Volgyesi	Hungary	Detector Applications and Testing Laboratory at the Centre for Energy Research, Hungarian Academy of Sciences (MTA EK)
325	K. Changkreung	Thailand	Sustainable the Border Monitoring Activities in Thailand Program
614	M. Voytchev	France	International standards for the performance of radiation detection instruments used in the global nuclear security framework
<i>12:30–14:00 Lunch Break / Side Events / Exhibitions</i>			

Wednesday, 12 February 2020

**15:30–16:00 INTERACTIVE CONTENT PRESENTATION 4 ICP Station,
First floor, M building**

ICP Station	Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
1	15:30–15:45	255	A. Villedieu	France	A comprehensive and integrated approach to the external protection of nuclear installations: the example of defense and security planning
2	15:45–16:00	221	R. Cupitt	Stimson Centre	Assistance for Enhancing Nuclear and Radiological Security: Beyond the IAEA Alone
3	15:30–15:45	466	Y. Liu	USA	Real-Time Monitoring of Nuclear Cargo Conveyance Using ARG-US TRAVELER

Wednesday, 12 February 2020

15:30–16:00 POSTER SESSION 2

Poster Area - Outside of
Board Room A

Poster Station	Paper No.	Name	Designating Member State/Organization	Title of Paper
2	21	B. Moneir	Sudan	Human Resource Development in Nuclear Security Detection architecture– Case of Sudan
6	30	N.-D. Bello	Nigeria	Integrated Nuclear Security Support Plan (INSSP): Enhancing Nigerian National Nuclear Security Regime
10	48	TBD	Germany	Initial characterization of neutron sources out of regulatory control at the scene of a nuclear security event
12	51	A. Djibo	Niger	Niger System of accounting for and control of nuclear material (SSAC)
16	540	T. Bieda	Torcuato Di Tella University	Building Capacity to Strengthen Nuclear Security: The path to a sustainable nuclear industry
18	545	H. Zarate	Chile	Nuclear Security in CHILE: Benefit of INSSP Missions and others
20	77	S. Eun Han	Republic of Korea	Security regulation overview for radioisotopes in Korea
25	555	M. Wald-Hopkins	USA	Interim storage options for disused radioactive sealed sources to enhance end-of-life management
26	394	J. Dickerson	USA	Conversion of Miniature Neutron Source Reactors from High Enriched Uranium to Low Enriched Uranium
30	544	J. Manion	USA	Engaging Law Enforcement Responders to Ensure Effective Security for Radiological Materials
34	401	V. Brusilovsky	USA	Highly Enriched Uranium Radiation Signature Training Device (RSTD)
38	129	B. Srimok	Thailand	Proposed Nuclear Security Inspector Qualification Program
40	417	H. Mungpayaban	Thailand	Development of Interactive Tabletop Exercise on National Nuclear Forensics Training Program

Poster Station	Paper No.	Name	Designating Member State/Organization	Title of Paper
46	147	S. Chuvaev	Russian Federation	Improving the Efficiency of Use and Increasing the Resource of Physical Protection Inspection Equipment - the Role of Training Courses for the End User
48	155	N. Izmailova	Kazakhstan	Development of National Training Capabilities to Support Nuclear Security Infrastructure in Kazakhstan
50	574	R. Maneechayangkoon	Thailand	Challenges in implementing and sustaining the information security policy for OAP
52	575	M. S. Islam	Bangladesh	Roles and Responsibilities of Stakeholders during a Radiological Incident: A Theoretical Case Study of Bangladesh
54	179	I. Annisa	Indonesia	Lesson learned from nuclear security system and measures of the major public event (MPE) in Indonesia : the preparation, implementation, and role of international support
56	577	E. Ampomah-Amoako	Ghana	Role of nuclear security support centre in development of nuclear security regime in Ghana
60	580	E. Ampomah-Amoako	Ghana	Security oversight of conversion of Ghana research reactor-1 from high enriched uranium to low enriched uranium fuel
62	235	S. AlSaadi	UAE	Nuclear Security – Integrated licence for Operation of first unit of Barakah NPP in the United Arab Emirates
64	240	C. Deyglun	France	Experimental Testing and MCNP Modelling of Spectroscopic Radiation Portal Monitors to detect Illicit Trafficking of Nuclear Material
66	607	I. Balan	Moldova	Consolidation of nuclear security capacities in The republic of Moldova
68	613	F. N. Jusuf	Indonesia	Cyber Security of Structure, System and Components Important to Safety
70	552	A. Roza de Lima	Brazil	Developing the design of the national nuclear detection architecture for material out of

Poster Station	Paper No.	Name	Designating Member State/Organization	Title of Paper
				regulatory control using roadmap model
72	274	R. L. Alves Tavares	Brazil	Strengthening the security on transport of nuclear and other radioactive material: challenges and actions for regulatory improvements in Brazil
74	625	E. Chajduk	Poland	New analytical procedures for the determination of chosen radionuclides by ICP-MS for nuclear forensic purposes
76	628	N. Haneklaus	Germany	Phosphate Fertilizer and Nuclear Proliferation – Food for thought
78	308	S. Adu	Ghana	Building nuclear forensic science capability in Ghana: prospects and challenges
80	640	U. Mirsaidov	Tajikistan	Physical Protection of Nuclear Materials Issues in Tajikistan
82	320	A. Rueanngoan	Thailand	Implementation of Thailand's Integrated Nuclear Security Support Plan (INSSP)
84	642	J. C. Batista Fiel	Brazil	Consequences of cyber-attacks in a nuclear security system of a Brazilian nuclear power plant
86	556	L. Ratz	NTI	Lost in Translation: Addressing Semantic Challenges in Nuclear Security Discourse across Languages
90	369	K. S. Morgan	USA	Open-Source vs. Proprietary Software: A Case Study in Trust and Security
94	381	B. Holian	USA	Risk-Informing Nuclear Security Regulatory Approaches

Wednesday, 12 February 2020**16:00–17:30 TECHNICAL SESSION 2H:
National Nuclear Security Regulations:
Part 3****Conference Room M7****Chairperson: K. Hamada, Japan****Technical Officer: S. Vleugels, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:00–16:10	87	E. Kloboucek	Czech Republic	Implementation of the CPPNM and its Amendment into Czech Legislation
16:10–16:20	576	E. Ampomah-Amoako	Ghana	Development of nuclear security regulations in Ghana
16:20–16:30	623	P. Giżowska	Poland	Legal considerations for the application of nuclear forensics in the context of nuclear security
16:30–16:40	513	F. Morris	USA	Building Sustainability into National Nuclear Security Regimes
16:40–17:30	Q&A Session			

Wednesday, 12 February 2020

**16:00–17:30 TECHNICAL SESSION 2I:
Addressing Security from the Start:
Security by Design and Newcomers**

Conference Room M3

Chairperson: A. Johnston, USA

Technical Officer: D. Ek, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:00–16:10	557	S. Malkawi	Jordan	Enhancing the Sustainability of Nuclear Security in Newcomer Countries through Addressing Country Specific Issues in Education and Training Programs
16:10–16:20	159	V. Lesage	France	French approach of security by design: from the Opéra Garnier to SMR
16:20–16:30	345	R. Rodger	United Kingdom	Delivering Security by Design on a Multi-faceted Project
16:30–16:40	410	M. Ekman	USA	Developing Security-by-Design Enhancements for a High-Activity Radioactive Source Stereotactic Radiosurgery Device
16:40–16:50	292	M. Labyntseva	Russian Federation	Assistance in the Development of the Nuclear Security Infrastructure in Newcomer Countries
16:50–17:00	204	V. Kryuchenkov	Russian Federation	Specifics of physical protection of CNST
17:00–17:30	Q&A Session			

Wednesday, 12 February 2020**16:00–17:30 TECHNICAL SESSION 2J:
Threat Assessment (including DBT) for
Computer Security****Conference Room M5****Chairperson: M. StJohn Green, United Kingdom****Technical
Officer: B. Jovanovski, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:00–16:10	133	S. K. Parulkar	India	Methodologies and approaches useful for Cyber Threat Assessment and Cyber DBT alongside with classical DBT methodology as stated in NSS-10 Document
16:10–16:20	606	L. Maccarone	USA	Toward a Game-Theoretic Metric for Nuclear Power Plant Security
16:20–16:30	478	M. Hildebrandt	Germany	Threat Analysis of Steganographic and Covert Communication in Nuclear I&C Systems
16:30–16:40	631	C. Guo	China	Information Fusion Analysis of Cyber Attack Identification Based on D-S Evidence Theory
16:40–17:30	Q&A Session			

Wednesday, 12 February 2020**16:00–17:30 TECHNICAL SESSION 2K:
Detection Technology Performance
Testing****Board Room B/M1****Chairperson: E. Melamed, USA****Technical Officer: T. Harris, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:00–16:10	226	D. Nabayaogo	Burkina Faso	Toward Radiation Detection Sustainability : Failure Analysis and Life-cycle Cost Estimation in Burkina Faso
16:10–16:20	323	R. Pappas	BMWG	Border Monitoring Equipment Evaluation Best Practices Workshop
16:20–16:30	404	L. Sinclair	Canada	Gamma Imagers for Nuclear Security and Nuclear Forensics
16:30–16:40	603	E. Bylyku	Albania	Preliminary Results related to Human Factors Engineering Specifications for Advancing Radiation Detection Equipment's
16:40–16:50	229	S. Gu	China	SNSTC's Capabilities and Practices on Performance Testing for Nuclear Security System and Equipment
16:50–17:00	56	A. Ullah	Pakistan	PNRA Technical Support Capabilities for Detection Technologies and Associated Challenges
17:00–17:10	327	F. Carrel	France	A new generation of radiation portal monitor and its future evolution
17:10–17:20	329	K. Boudergui	France	New neutron and gamma detection capacity for preventing illicit trafficking of nuclear and radioactive material
17:20–17:30	Q&A Session			

Wednesday, 12 February 2020

**16:00–17:30 TECHNICAL SESSION 2L:
Nuclear Security of New Nuclear
Technologies (e.g., small modular
reactors)**

Conference Room M7

Chairperson: B. Holian, USA

Technical Officer: R. Seo, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:00–16:10	331	A. Egorov	Russian Federation	About regulatory approaches to physical protection of nuclear vessels (vessels with small modular reactors)
16:10–16:20	595	D. Hasted	United Kingdom	Nuclear Security Supporting And Enabling The Peaceful Use Of Nuclear Power – Portability Of Competent Authority's Assessment Activity To Third Party States
16:20–16:30	456	A. Saveliev	Russian Federation	Small modular reactor: approaches to physical protection provision
16:30–16:40	181	T. S. A. Nugroho	Indonesia	Challenges for physical protection of Indonesia experimental power reactor
16:40–16:50	283	M. K. Azfar Ramli	Malaysia	Development of a comprehensive security plan for radioactive waste disposal facilities in Malaysia
16:50–17:30	Q&A Session			

Wednesday, 12 February 2020

**16:00–17:30 INTERACTIVE CONTENT PRESENTATION: Press Room
Computer and Information Security**

Paper No.	Name	Designating Member State/Organization	Title of Paper
17	I. Ocheme	Nigeria	Secure Digital Asset Techniques
65	E. Macasias	Canada	Cooperation Success Stories – Compliance to the new CSA N290.7 Canadian regulation
216	R. Anderson	USA	Consequence-driven Cyber-Informed Engineering
218	M. Hewes	IAEA	Enabling Multicultural Exchange on International Technical Research Projects
220	M. Fabro	USA	Computer Security & Threat Analysis: Minimizing The Attack Surface
271	G. White	USA	Good Practices for Creation of a Computer Security Regulation for the Nuclear Industry
272	N. Butler	USA	Increasing Computer Security for Radiological Facilities
217	J. Rodriguez	USA	Cyber Security Considerations for Implementing the Design Basis Threat at Nuclear Facilities
514	R. Altschaffel	Germany	The Nuclear SIEM
451	S-B. Lim	Republic of Korea	Lesson Learned from Graded Application of Cyber Security Control on ROK Nuclear Facility
583	J. M. Perez	Mexico	Cybersecurity in Research Centers: Focus on nuclear and radioactive facilities

Thursday, 13 February 2020

09:00–10:30 HIGH LEVEL PANEL SESSION 4: Board Room B/M1
National Nuclear Security Regimes

Chairperson: R. Keswani, India

Technical Officer: A. Rodriguez Y Baena, IAEA

Time	Name	Designating Member State/Organization
09:00–10:30	S. Tanaka Commissioner, Nuclear Regulation Authority (NRA)	Japan
	R. Baychurin Deputy Head of the Foreign Project Department of the State Corporation for Atomic Energy ROSATOM	Russian Federation
	M. Doane Executive Director for Operations, Nuclear Regulatory Commission	USA
	N. T. Khai Director General, Vietnam Agency for Radiation and Nuclear Safety (VARANS)	Viet Nam
	P. Fyfe Director of Civil Nuclear Security, Office for Nuclear Regulation	United Kingdom
10:30–11:00	<i>Coffee Break / Posters / Interactive Content Presentations</i>	

Thursday, 13 February 2020

10:30–11:00 INTERACTIVE CONTENT PRESENTATION 5 ICP Station,
First floor, M building

ICP Station	Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
1	10:30–10:45	178	M. Hori	Japan	Efforts on strengthening nuclear security from technology development perspective in JAEA
	10:45–11:00	601	N/A	Thailand	Coordinated Research Project (CRP) for Improved Assessment of Initial Alarms from Radiation Detection Instruments
2	10:30–10:45	38	M. A. Aslam	Pakistan	Capacity Building of Regulatory Staff for Nuclear Security
3	10:30–10:45	192	A. S. Yahaya Bako	Niger	Niger's Experience in Establishing and formalizing nuclear security processes in integrated management systems
	10:45–11:00	609	L. Texier	France	Protecting sensitive nuclear sites

Poster Station	Paper No.	Name	Designating Member State/Organization	Title of Paper
1	434	B. Whittard	United Kingdom	Understanding Physical Protection Obligations During International Maritime Nuclear Shipments - the Entry into Force of the CPPNM Amendment
3	22	L. Zinkevych	Ukraine	Public Outreach Campaign on collecting orphaned ionizing radiation sources as an effective element of building and maintaining nuclear security detection architecture for detecting radioactive materials in illicit circulation
8	138	E. Wilson	USA	Preliminary Fuel Development and Reactor Design Milestones for the LEU Conversion of the U.S. High Performance Research Reactors
14	55	M. Abbas	Pakistan	Development of Nuclear Security Regulations to Address International Obligations
15	57	H. Yücel	Turkey	Use of radiation detection instruments in laboratory practice for nuclear security education
21	80	E. Finschi	Chile	Acquired Experience in the use of National Radiological Incident Database in Chile Period 2013-2018
23	86	S. B. Utami	Indonesia	Nuclear regulatory programme to minimize and deter the potential threat related to illicit trafficking
27	104	H. Elkhatab	Egypt	Interface between nuclear safety and security in radioisotope production facility
33	116	R. Galea	Canada	On demand production of a Pa-233 tracer
35	122	A. Askin	USA	Pilot of the International Atomic Energy Agency's Advanced, Practitioner-Level Training Course on Preventive and Protective Measures Against Insider Threats
41	135	R. Pashayev	Azerbaijan	Sustaining and Strengthening Efforts for Nuclear Security in Azerbaijan

Poster Station	Paper No.	Name	Designating Member State/Organization	Title of Paper
43	141	O. K. Hakam	Morocco	Nuclear security education as a tool to sustain nuclear security regimes
49	158	N. N. Win	Myanmar	Implementing and Developing Nuclear Safety and Security Culture for Radioactive Material, Associated Facilities and Activities
51	172	D. Pavlicevic	Montenegro	Preventing illicit trafficking of nuclear and radioactive material
57	207	TBD	Germany	Testing facility for the qualification of measurement devices suitable for detecting nuclear and radioactive material
59	230	M. M. Ahmed	Bangladesh	Graphene fiber for the personal protection, and mitigating the nuclear and radiological accident consequences
65	244	M. H. Ab. Rahim	Malaysia	Acceptance and Testing (A&T) Development in Malaysia Nuclear Security Instrumentation
67	260	A. Baci	USA	Establishing a sustainable regulatory framework for the security of radioactive sources through harmonization with a safety regulatory framework
73	279	W. Sabalza	Venezuela	Proposal of a database system for accounting and control of materials outside of the Regulatory Control MORC in Venezuela
75	296	M. Mallaupoma	Peru	Nuclear security program for the repatriation of disused teletherapy heads in Peru
79	412	E. J. Goessa	Brazil	Security requirements to oil well logging radioactive sources: improving security culture
83	413	M. Habash	Egypt	The considerations and the counter measures of different computer security systems that is used in a research reactor
91	370	C. Wright	USA	An Innovative Mobile Hot Cell with Remote Handling Capabilities

Thursday, 13 February 2020

11:00–12:30 TECHNICAL SESSION 3A: Conference Room M2
Implementation of National Legislative and Regulatory Frameworks, and International Instruments: Part 1

Chairperson: C. Dominguez, Argentina

Technical Officer: A. Betancourt Hernandez, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–12:30	338	J. Edwards	United Kingdom	Nuclear Site Security Plans to meet Outcomes Based Regulation (or a change in Regulatory Expectations)
	472	P. Giżowska	Poland	Enhancing and sustaining regulatory frameworks for nuclear security: a work in progress
	498	S. I. Saufi	Malaysia	Development of operational policy in nuclear medicine services for the ministry of health Malaysia: security of radioactive material
	198	A.-E. Barrault	France	Change management - from the expectations of the competent authority to the implementation by the operator
	407	M. Ekman	USA	Development of an International Security Standard for Devices Containing High Levels of Radiological Material

12:30–14:00 Lunch Break / Side Events / Exhibitions

Thursday, 13 February 2020

**11:00–12:30 TECHNICAL SESSION 3B:
Transportation: Part 1**

Conference Room M3

Chairperson: C. Tertrais, France

Technical Officer: D. Ladsous, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	385	M. V. Roston	Argentina	Physical Protection of Nuclear Materials During Transport
11:10–11:20	484	R. Officer	United Kingdom	Nuclear and Other Radioactive Material Transports in the Maritime Environment: 'Evidence over Assertion' - Assuring the International Community
11:20–11:30	495	M. Schultze	USA	Developing the Transportation – Security, Tracking and Reporting System (T-STAR) System
11:30–11:40	502	S. Vogiatzi	Greece	Safety and Security in shipment of spent nuclear fuel from a research reactor
11:40–11:50	508	B. Kluse	USA	Industry Engagement to Establish a Robust Security Approach to Mobile Radiological Sources
11:50–12:00	6	F. Petruceli	Brazil	International Transport of Nuclear Material in Brazil – a model of success
12:00–12:30	Q&A Session			
12:30–14:00	<i>Lunch Break / Side Events / Exhibitions</i>			

Thursday, 13 February 2020

**11:00–12:30 TECHNICAL SESSION 3C:
National Strategies for Information and
Computer Security**

Board Room A

Chairperson: W. Rother, Germany

Technical Officer: M. Hewes, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	251	D. Sommer	Germany	Results of the 2019 IAEA workshop "Computer Security Approaches and Applications in Nuclear Security" in Berlin
11:10–11:20	448	B. Stauffer	Switzerland	Cyber Security guideline development and inspections - experiences with the "opposite" approach
11:20–11:30	547	F. Morris	USA	Developing Computer Security Regulations for Radioactive Material and Associated Facilities
11:30–11:40	616	J. Li	China	A cyber-capability model for compromise of I&C system functions at nuclear facilities
11:40–11:50	256	P. Stoutland	NTI	Enhancing Global Cyber Security Capacity at Nuclear Facilities
11:50–12:30	Q&A Session			
12:30–14:00	<i>Lunch Break / Side Events / Exhibitions</i>			

Thursday, 13 February 2020

11:00–12:30 TECHNICAL SESSION 3D: Nuclear Safety/Security Interface: National Experiences Conference Room M6

Chairperson: H. Yoo, Republic of Korea

Technical Officer: K. Horvath, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	153	E. Yuliati	Indonesia	Safety and Security Interface: The Implementation on the Transport of Nuclear Materials and Radioactive Sources in Indonesia
11:10–11:20	45	S. R. Ali	Pakistan	Safety and security interfaces during lifetime of a nuclear power plant – national experience
11:20–11:30	300	E. T. Glover	Ghana	Implementation of the Borehole Disposal System for safe and secure management of Disused Radioactive Sources in Ghana
11:30–11:40	436	H. Oku	Japan	Approach for Harmony of 3S (Safety, Security and Safeguards) in Japan
11:40–11:50	346	S. Marsh	United Kingdom	The Integration of Safety and Security Teams to Enhance Value to Customers and Projects
11:50–12:00	468	T. Afanasyeva	Russian Federation	Nuclear safety and security interface: experience of the Russian Federation
12:00–12:10	54	T. Ahmad	Pakistan	Regulatory Approach for Development and Implementation of Safety-Security Interface
12:10–12:30	Q&A Session			
12:30–14:00	<i>Lunch Break / Side Events / Exhibitions</i>			

Thursday, 13 February 2020

11:00–12:30 TECHNICAL SESSION 3E: Conference Room M7
Implementation of National Legislative and Regulatory Frameworks, and International Instruments: Part 2

Chairperson: N. Fragoyannis, USA

Technical Officer: A. Stadalnikas, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	286	M. Tall	Senegal	Challenges in securing vulnerable radioactive sources in Senegal
11:10–11:20	303	D. Hasted	United Kingdom	UK Experiences of Implementing Outcome Focused Security Regulation
11:20–11:30	443	M. Kostor	Malaysia	Role of Investigation and Legal Prosecutions in Nuclear Security
11:30–11:40	467	B. Mishra	India	Implementation of radioactive source security regulatory infrastructure in electronic licensing of radiation application (eLORA) - an Indian perspective
11:40–11:50	124	G. Sharma	India	The importance of Industry compliance to Ensure Nuclear Security and Growth in the Changing Times
11:50–12:30	Q&A Session			
12:30–14:00	<i>Lunch Break / Side Events / Exhibitions</i>			

Thursday, 13 February 2020

11:00–12:30 TECHNICAL SESSION 3F: Board Room B/M1
Advances in Nuclear Security Research and Development; International Cooperation on Nuclear Security Research

Chairperson: K. Hirsch, USA

Technical Officer: Q. Rose, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	210	A. Inyanda	Nigeria	Report on the Technical Meeting on Advancing Maintenance and Calibration of Radiation Detection Equipment for Nuclear Security Systems
11:10–11:20	431	M. Hori	Japan	US-Japan Joint Study on Materials Attractiveness: Evaluating and Reducing the Risks to Nuclear Materials and Facilities from Potential Malicious Acts
11:20–11:30	527	N. G. Nguyen	Viet Nam	An overview of Vietnam's research activities on emerging technologies for Nuclear Security in the digital age: current opportunities, future outlook and the IAEA support
11:30–11:40	618	P. N. G. Rathnaweera	Sri Lanka	Enhancing Sustainable Nuclear Security Operations through Participation in the Coordinated Research Project on Improved Assessment of Initial Alarms
11:40–11:50	75	R. Howsley	WINS	Security in the Civil Nuclear and Aviation Sectors – What can they learn from each other?
11:50–12:00	605	N. Roth	USA	Assessing Progress on Nuclear Security Action Plans
12:00–12:30	Q&A Session			
12:30–14:00	<i>Lunch Break / Side Events / Exhibitions</i>			

Thursday, 13 February 2020

11:00–12:30 INTERACTIVE CONTENT PRESENTATION: Press Room
Nuclear Forensics

Paper No.	Name	Designating Member State/Organization	Title of Paper
53	R. Ssegane	Uganda	Nuclear forensics capabilities in Uganda: now and the future
523	G. Bentoumi	Canada	Nuclear Forensics Signatures of Irradiated Fuel
367	T. G. Kupi	South Africa	Investigation of the rare-earth element pattern of uranium oxide (U ₃ O ₈) for attribution of uranium in safeguard and nuclear forensics environment
371	M. Mathuthu	South Africa	Applying Nuclear Forensics in Nuclear Material Accounting and Control of Radioactive Material out of Regulatory Control from a Facility
414	A. El-Jaby	Canada	The Uranium Ore Concentrate Comparative Assessment Database
425	K. Samperton	USA	Evaluating radiochronometry by single collector mass spectrometry for nuclear forensics: a multi-instrument study
529	P. Mekarski	Canada	High performance gamma ray spectroscopy as a precision tool for nuclear forensics
168	W. Kieser	Canada	A direct-AMS multi-isotope survey of uranium ore concentrates
<i>12:30–14:00 Lunch Break / Side Events / Exhibitions</i>			

Thursday, 13 February 2020

**14:00–15:30 TECHNICAL SESSION 3H:
National Nuclear Security Inspections**

Conference Room M2

Chairperson: W. Janssens, EU/EC-JRC

Technical Officer: S. Rafajlovic, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:00–15:30	348	A. M. Viplak	Hungary	Nuclear security inspections: the Hungarian way
	447	H. Mattli	Switzerland	The integrated Safety-Security training of inspector in Switzerland
	558	K. Mrabit	Morocco	Establishing a nuclear security inspection programme in Morocco
	554	D. Patrick	USA	Computer Security Training
	N/A	D. Sakkas	Cyprus	Prospective on security inspections and related training from a small non-nuclear country

15:30–16:00 *Coffee Break / Posters / Interactive Content Presentations*

Thursday, 13 February 2020

**14:00–15:30 TECHNICAL SESSION 3I:
Transportation: Part 2**

Conference Room M3

Chairperson: S. Repanovici, Romania

Technical Officer: D. Ladsous, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:00–14:10	528	M. Wald-Hopkins	USA	Development of the 435-B Type B(U) Package for International Disused Sealed Radioactive Source Recoveries
14:10–14:20	326	N. Noro	Japan	International Symposium on Transport Security of Nuclear and other
14:20–14:30	646	M. Cristian	Romania	The security for transports of nuclear materials in Romania
14:30–14:40	342	A. Touarsi	Morocco	Strengthening the security of nuclear and radioactive Material during transport
14:40–14:50	161	C. Tertrais	France	Enhancing and maintaining unpredictability on nuclear transports
14:50–15:00	365	M. Fialkoff	USA	Regulatory Development Challenges and Opportunities for the Safe and Secure Transport of Radioactive Materials
15:00–15:10	488	B. Whittard	WNTI	Overview of the World Nuclear Transport Institute's (WNTI) Transport Security Working Group (TSWG)
15:10–15:30	Q&A Session			
15:30–16:00	<i>Coffee Break / Posters / Interactive Content Presentations</i>			

Thursday, 13 February 2020

14:00–15:30 TECHNICAL SESSION 3J: Board Room A
Insider Threat - Computer and Information Security

Chairperson: R. Busquim e Silva, Brazil

Technical Officer: M. Hewes, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:00–15:30	162	O. Fichot	France	Insider threat and computer security: is there a specific profile?
	273	S. Zhurin	Russian Federation	Comprehensiveness of countermeasures against potential cyber and physical insiders at nuclear facilities
	561	D. H. Nugroho	Indonesia	Trustworthiness perspective in the integration of nuclear computer security into state's cybersecurity regulation in Indonesia
	564	J. Wise	USA	Examining Cyber Security Vulnerabilities and Counter-Measures to Combat the Insider Threat in Radiological Security

15:30–16:00 *Coffee Break / Posters / Interactive Content Presentations*

Thursday, 13 February 2020

**14:00–15:30 TECHNICAL SESSION 3K:
Nuclear Security for Major Public Events**

Conference Room M6

Chairperson: S. Buntman, USA

Technical Officer: E. Paladi, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:00–14:10	29	A. Zafar	Pakistan	Nuclear security as part of the security of major public events
14:10–14:20	335	S. Repanovici	Romania	Strengthening global nuclear security through counterterrorism training, equipment enhancement, and best practices
14:20–14:30	591	N. D. Luwalira	Uganda	Challenges in implementing nuclear security systems and measures in major public events in Uganda
14:30–14:40	128	J. Galy	EU/EC-JRC	Protection of Major Public Events against the Radiological Terrorist Threat: The Users' Perspectives
14:40–14:50	500	N. Benson Nino	Panama	Nuclear Security Measures to Address Best Practices Associated with Nuclear/Radiological Threats for Major Public Events
14:50–15:00	535	T. N. M. Than	Viet Nam	Preparedness and Implementation of Nuclear Security Plan for MPEs in Viet Nam
15:00–15:30	Q&A Session			
15:30–16:00	<i>Coffee Break / Posters / Interactive Content Presentations</i>			

Thursday, 13 February 2020

**14:00–15:30 TECHNICAL SESSION 3L:
Nuclear Forensics - Create and Sustain**

Conference Room M7

Chairperson: E. Kovacs-Szeles, Hungary

Technical Officer: K. Montgomery, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:00–14:10	107	M. Botha	Australia	Reflections on regional training efforts in support of nuclear forensic capability development in South-East Asia
14:10–14:20	111	Y. Kimura	Japan	Development of Nuclear Security Technologies for Response on Material Out of Regulatory Control Event and Nuclear Forensics Activities in Japan
14:20–14:30	333	Z. F. Hassan	Egypt	Development of Nuclear Forensics Capabilities within the Nuclear Security Regime
14:30–14:40	423	R. Kips	USA	Joint sample analysis on selected uranium ore concentrates and nuclear forensics library exercise
14:40–14:50	622	N. Marks	USA	Development, Implementation, and Sustainability of a National Nuclear Forensics Library Capability to Address Nuclear and other Radioactive Material out of Regulatory Control
14:50–15:00	259	K. Mayer	EU/EC-JRC	Identifying, developing and promoting best practices in nuclear forensic science for 25 years: the nuclear forensics International Technical Working Group (ITWG)
15:00–15:10	101	T. Bieda	Torcuato Di Tella University	Encompassing a systemic response to investigations of nuclear and radioactive material out of regulatory control
15:10–15:30	Q&A Session			
15:30–16:00	<i>Coffee Break / Posters / Interactive Content Presentations</i>			

Thursday, 13 February 2020

14:00–15:30 TECHNICAL SESSION 3M: Board Room B/M1
Innovative Technologies to Reduce Nuclear Security Risks and Improve Cost Effectiveness, where Feasible: Part 2

Chairperson: S. S. Jang, Republic of Korea

Technical Officer: C. Massey, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:00–14:10	366	J. Bufford	NTI	Preventing a Dirty Bomb: Case Studies and Lessons Learned
14:10–14:20	398	I. Kapuza	USA	An Innovative Approach to Weapons Usable Nuclear Materials Minimization
14:20–14:30	519	S. Pillai	USA	Low Energy Electron Beam as a Gateway to Machine Sources of Irradiation to Reduce Reliance on Isotope-Based Radiation Technologies
14:30–14:40	134	C. Massey	IAEA	Urban Radiological Accident Mapping Using Smartphones Equipped with Personal Radiation Dosimeter
14:40–14:50	619	J. Suchorab	Poland	Effective Fuzz Testing for Programmable Logic Controllers Vulnerability Research to Ensure Nuclear Safety
14:50–15:00	578	S. Adu	Ghana	Nuclear security infrastructure for disposal of disuse sealed source in a borehole
15:00–15:30	Q&A Session			
15:30–16:00	<i>Coffee Break / Posters / Interactive Content Presentations</i>			

Thursday, 13 February 2020

15:30–16:00 INTERACTIVE CONTENT PRESENTATION 6 ICP Station,
First floor, M building

ICP Station	Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
1	15:30–15:45	483	S. Seng	Cambodia	Cambodia's Participation in Coordinated Research Project (CRP)
	15:45–16:00	258	V. Kotovschikov	Russian Federation	The system of customs control of fissile and radioactive materials of the Federal customs service of Russia
2	15:30–15:45	257	C. Debieve	France	The Specialized Command for Nuclear Security and its role to control and monitor individuals access to the French nuclear facilities: The administrative investigations
3	15:30–15:45	96	D. Apriliani	Indonesia	Analysis of Nuclear Terrorism Threats in Indonesia
	15:45–16:00	516	V. Dashchenko	Russian Federation	Supply Chain Attacks Analysis based on opensource data

Thursday, 13 February 2020

15:30–16:00 POSTER SESSION 4

Poster Area - Outside of
Board Room A

Poster Station	Paper No.	Name	Designating Member State/Organization	Title of Paper
4	26	M. Kandil	Egypt	Cyber attack simulation system for boiling water reactor control room
11	50	G. Nikolaou	Greece	Discrimination of Different Nuclear Material in the frame of Nuclear Forensics
16	63	TBD	Indonesia	An Application of Defense in Depth Concept for Strengthening Data Security in Transmission Process of Radiation Monitoring Data for Nuclear Installation
22	418	O. Hassan Farah	Djibouti	Djibouti and the United States Forging a Strong Partnership in Sustaining a Nuclear Security Detection Architecture
24	408	R. N. Samba	Cameroon	Experience in Implementing Nuclear Security Culture: Case of Cameroon
28	106	J.-G Song	Republic of Korea	A Data Classification and Analysis System for the Identification of Cyber Security Events in a Condenser and Condensate HIL System
31	649	A. Zaouak	Tunisia	The role of the Tunisian Association in communicating information to the public and strengthening their safety and security
34	121	C. A. W. Dwipayana	Indonesia	Indirect Impact of Infrastructure Development Programs on Security in Transport of Radioactive Material in Indonesia
36	411	M. Ekman	USA	Sustainability for the Protection of Radioactive Sources
42	137	A. Elabd	Egypt	Considerations for regulatory body: Nuclear security culture self-assessment
50	171	E. Kovacs-Szeles	Hungary	Operating procedure for Radiological Crime Scene Management: harmonized on-site work between crime scene investigators and radiological experts

Poster Station	Paper No.	Name	Designating Member State/Organization	Title of Paper
52	176	L. Villanueva-Zamora	Chile	Experience in Chile, under National Coordination Mechanism for Emergency Preparedness and Response and the Prevention and Response for Nuclear Security Events
58	208	R. Cupitt	Stimson Centre	Mapping National Legal Frameworks for Radiological Security
60	233	P. Shi	China	Best Practices in the Scenario Development for Nuclear Security Training Organized by State Nuclear Security Technology Center
68	261	M. Vecellio	Stimson Centre	Examining Gender Dimensions Amongst Nuclear Regulatory Authorities' Leadership
74	287	M. Z. A. Muhammad Jamil	Malaysia	Physical Protection Laboratory Roles and Function in Strengthening National Nuclear Security Strategy in Malaysia
76	301	A. Allogo	Gabon	Transport of nuclear and other radioactive material: practices, challenges and regulatory issues
80	314	E. Nikhanov	Kazakhstan	System Evaluation Methods in practice for insider mitigation
84	334	Z. F. Hassan	Egypt	Towards An Effective and Sustainable National Regulatory Oversight for Nuclear Security
88	355	N. Klos	Ukraine	Gender Stereotypes. Woman in Nuclear Security
92	378	M. Oboo	Uganda	Uganda's capabilities and challenges on prevention and detection of nuclear and radioactive material

Thursday, 13 February 2020

16:00–17:30 TECHNICAL SESSION 30: Conference Room M3
Achieving Nuclear Security Effectiveness:
The Role of Vulnerability Assessments &
DBT/ATS

Chairperson: M. M. Meruje, Portugal

Technical Officer: D. Ek, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:00–16:10	474	R. E. Harianto	Indonesia	The consideration of security aspect in review for nuclear installation of siting stage
16:10–16:20	481	M. Muriithi	Kenya	Vulnerability assessment of Nuclear Security Systems in Kenya
16:20–16:30	587	M. Bunn	Belfer Centre	The Need for Creative and Effective Nuclear Security Vulnerability Assessment and Testing
16:30–16:40	382	B. Holian	USA	Development and Maintenance of the Design Basis Threat for Civilian Nuclear Facilities in the United States
16:40–16:50	624	A. Al-Salman	Jordan	Regulatory body experience in conducting and using a threat assessment and design basis threat in decision making process for regulating nuclear security
16:50–17:30	Q&A Session			

Thursday, 13 February 2020

16:00–17:30 TECHNICAL SESSION 3P: Board Room B/M1
Future Trends and Activities in Computer Security

Chairperson: R. Hoffman, USA

Technical Officer: T. Nelson, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:00–16:10	243	R. Azzabi	France	Visualization and Machine Learning for Interactive Cyber Threats Analysis in Critical Infrastructures
16:10–16:20	515	R. Altschaffel	Germany	Nuclear Power Plant in a Box
16:20–16:30	644	M. Hewes	IAEA	Beyond the Tank Level: Simulator and Hardware-in-the-Loop Supported Training for Computer Security of Nuclear I&C
16:30–16:40	486	A. Tellabi	Germany	A prototype of a new virtualized secure embedded product for Operational and Safety Related I&C Functions
16:40–16:50	521	L. Dawson	USA	Advanced Malware and Nuclear Power: Past, Present, and Future
16:50–17:00	548	S. Clements	USA	Evaluating Software Defined Networking Solutions to Reduce the Digital Attack Surface of Nuclear Security Systems
17:00–17:10	200	L. T. Ndalama	Zimbabwe	Nuclear Cyber Security considerations
17:10–17:30	Q&A Session			

Thursday, 13 February 2020

16:00–17:30 TECHNICAL SESSION 3Q: Conference Room M6
Risk-Informed Approach to the Security of
Radioactive Material in Use and in Storage
and Application of the Graded Approach
and Defense in Depth to Nuclear Security

Chairperson: S. Al Saadi, UAE

Technical Officer: M. Wasseem, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:00–16:10	510	J. Elster	USA	Poland: a comprehensive approach to cesium security
16:10–16:20	58	M. T. Chaudhary	Pakistan	Risk informed approach to the security of radioactive sources in use and in storage in Pakistan
16:20–16:30	163	M. Ivanov	Russian Federation	Implementation of the risk informed approach for the development of requirements to the physical protection of radioactive material and associated facilities
16:30–16:40	376	M. Cervera	USA	The Application of the Graded Approach to Physical Protection of Radioactive Sources in the United States
16:40–16:50	336	R. Rodger	United Kingdom	Nuclear Site Security Plans based on a Claims, Argument and Evidence Approach
16:50–17:30	Q&A Session			

Thursday, 13 February 2020

**16:00–17:30 TECHNICAL SESSION 3R:
Nuclear Security Culture: Performance
Indicators: Part 1**

Conference Room M7

Chairperson: G. Adams, USA

Technical Officer: Y. Nakamura, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:00–16:10	11	H. Yoo	Republic of Korea	Efforts of the Republic Of Korea to enhance nuclear security awareness
16:10–16:20	13	W. P. D. Beta	Indonesia	Lesson Learned from Security Culture at National Border Management Agencies: A Case study in Indonesia
16:20–16:30	254	J. Miller	USA	A Revised Model for Nuclear Security Culture
16:30–16:40	464	A. Perez Baez	Spain	Human Factor in Nuclear Security
16:40–16:50	115	N. K. Agbemava	Ghana	Computer and information Security (Cyber Security) Training and Awareness Program for Nuclear Facility
16:50–17:00	344	A. S. Bıçakçı	Turkey	Integrating cyber and physical security: enhancing security culture for Nuclear Power Plants (NPP) – a prospective methodology for Turkey
17:00–17:30	Q&A Session			

Thursday, 13 February 2020

16:00–17:30 TECHNICAL SESSION 3S: Board Room A
Nuclear Forensics Collaborative Efforts

Chairperson: K. Mayer, EU/EC-JRC

Technical Officer: D. K. Smith, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
16:00–17:30	289	N. Noro	Japan	Needs-based Curriculum Development of Regional Training Program on Nuclear Forensics
	166/ 169	A. El-Jaby	Canada	Nuclear Forensics Bilateral Cooperation between Canada and the United States
				The Global Initiative to Combat Nuclear Terrorism Nuclear Forensics Self-Assessment Tool
	421	K. Treinen	USA	IAEA nuclear forensics residential assignments
	253	M. Wallenius	EU/EC-JRC	IAEA nuclear forensics technical meeting: beyond the science
	253	F. Wong	USA	
	357	K. Oujo	USA	Synergistic Regional Capacity Building Efforts on Nuclear Forensics in the GUAM Countries

Friday, 14 February 2020

10:30–11:00 INTERACTIVE CONTENT PRESENTATION 7 ICP Station,
First floor, M building

ICP Station	Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
1	10:30–10:45	477	B. Whittard	United Kingdom	Nuclear security culture - the what, the why and the how!
	10:45–11:00	402	K. Unlu	USA	Establishment of a Master's Degree Program for Nuclear Security at the Penn State University
2	10:30–10:45	561	D. H. Nugroho	Indonesia	Trustworthiness perspective in the integration of nuclear computer security into state's cybersecurity regulation in Indonesia
3	10:30–10:45	518	T. Williams	USA	Integrated Training – Partnerships in Protection of Radioactive Materials

Friday, 14 February 2020**11:00–12:30 TECHNICAL SESSION 4A:
Coordinated Response to NS Event****Conference Room M2****Chairperson: N. N. H. Vi , Viet Nam****Technical Officer: F. Liu, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	183	T. Shiba	Japan	Impact assessment of nuclear security events using chemical explosives
11:10–11:20	373	J. E. Jones	United Kingdom	A co-ordinated response to nuclear security events – challenges and opportunities
11:20–11:30	209	L. Dawson	USA	A Maturity Model Method for Nuclear Security Program Assessment & Planning
11:30–11:40	195	M. Wansek	France	HELINUC: Airborne gamma mapping system of CEA
11:40–12:30	Q&A Session			
12:30–13:30	<i>Lunch Break</i>			

Friday, 14 February 2020

**11:00–12:30 TECHNICAL SESSION 4B:
Building and Maintaining a Nuclear
Security Architecture**

Conference Room M3

Chairperson: P. West, Nigeria

Technical Officer: J. Swarthout, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	399	S. Peper	USA	The Desktop Radiation Portal Monitor – The Ultimate Training Aid for Developing Maintenance Providers
11:10–11:20	125	J. Galy	EU/EC-JRC	Supporting the Development of Technical Reachback for Nuclear Security Detection Architectures
11:20–11:30	202	A. Petitguillaume	France	Simulations and tools in support to reachback experts
11:30–11:40	262	G. Peschanskikh	Russian Federation	Information technologies and digital transformation of customs control technologies for fissile and radioactive materials
11:40–11:50	650	N. van Xanten	Netherlands	Security of Radioactive Material and Metal Recycling in The Netherlands
11:50–12:30	Q&A Session			
12:30–13:30	<i>Lunch Break</i>			

Friday, 14 February 2020**11:00–12:30 TECHNICAL SESSION 4D:
Nuclear Safety/Security Interface:
Implementation****Conference Room M6****Chairperson: K. Mrabit, Morocco****Technical Officer: K. Horvath, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	560	G. Bentoumi	Canada	Safety and Security for small modular nuclear reactors (SMRs)
11:10–11:20	224	R. Aboualo	Egypt	Criticality Safety and Security Interface for Nuclear Materials Related to a Research Reactor
11:20–11:30	629	B. Göktepe	Turkey	Nuclear security culture development for new comers
11:30–11:40	37	D. Hossain	Bangladesh	Integrated Safety and Cyber Security Analysis for Building Sustainable Cyber Physical System at Nuclear Power Plants: A Systems Theory Approach
11:40–11:50	185	P. Karhu	Finland	Management of nuclear security-safety interface: what, why and how
11:50–12:00	196	D. Sahoo	India	Security Hardening of Radiation Equipment "Gamma Chamber"
12:00–12:30	Q&A Session			
12:30–13:30	<i>Lunch Break</i>			

Friday, 14 February 2020

**11:00–12:30 TECHNICAL SESSION 4E:
Nuclear Security Culture: Performance
Indicators: Part 2**

Conference Room M7

Chairperson: Y. Naoi, Japan

**Technical
Officer:** Y. Nakamura, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	70	T. Majeed	Pakistan	Study on the implementation of nuclear forensics in various legal systems
11:10–11:20	113	C. Speicher	Germany	The intricate security culture issue: some considerations about the role of managers
11:20–11:30	295	K. Hamada	Japan	Regulator's Roles for Sustainable Effort for Nuclear Security Culture in Japan
11:30–11:40	477	B. Whittard	United Kingdom	Nuclear security culture - the what, the why and the how!
11:40–11:50	160	C. Tertrais	France	Supporting carriers efforts to develop their security culture
11:50–12:00	517	K. Khairul	Indonesia	Self-assessment of Nuclear Security Culture of Radioactive Source Users in BATAN: Survey and Interview
12:00–12:30	Q&A Session			
12:30–13:30	<i>Lunch Break</i>			

Friday, 14 February 2020**11:00–12:30 TECHNICAL SESSION 4F:
Capacity Building - NGOS****Board Room A****Chairperson: N. A. Boye Faye, Senegal****Technical Officer: A. Rodriguez y Baena, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:00–11:10	59	R. Evans	WINS	WINS Academy Programme: Sustaining Demonstrable Competency in Nuclear Security Management
11:10–11:20	479	A. Lazarev	VCDNP	Contribution of the Vienna Center for Disarmament and Non-Proliferation to Nuclear Security: Building Consensus and Expertise through Outreach and Training
11:20–11:30	432	M. Kalinina-Pohl	CNS	NGO-Government Partnership in Strengthening Radiological Security
11:30–11:40	319	G. Kaser	WNA	Advancing good practice: The work of the World Nuclear Association's Security Working Group
11:40–11:50	586	M. Bunn	Belfer Centre	The Past and Potential Role of Civil Society in Nuclear Security
11:50–12:00	597	J. Bufford	NTI	Models for Impact: Civil Society Engagement in Support of Nuclear Security
12:00–12:30	Q&A Session			
12:30–13:30	<i>Lunch Break</i>			

SCHEDULE OF SIDE EVENTS

Monday, 10 February 2020

10 years of Joint ICTP-IAEA International School on Nuclear Security in Trieste: Achievements and Perspective

Organized by Italy in cooperation with the IAEA

Monday, 10 February 2020, 13:00 – 14:00

Conference Room M6, M Building, ground floor

The event will take stock of the School's 10 years' experience and impact on nuclear security and careers, highlighting the role of international vs. regional schools and how curricula have changed. Beverages and finger food will be served after the side event.

2019 International Symposium on Transport Security of Nuclear and Radiological Material in Japan

Organized by Japan/Japan Atomic Energy Agency and the US Department of Energy

Monday, 10 February 2020, 13:00 – 14:00

ESPACE M1, M Building, first floor

This side event will discuss the outcomes of the 2019 International Symposium on Transport Security in Japan and highlight the forward momentum for the strengthening of transport security.

Stories from Member States

Organized by the IAEA

Monday, 10 February 2020, 13:00 – 14:00

Conference Room M5, M Building, ground floor

This event will promote key divisional messages while highlighting stories from Member States.

Towards a Stronger Global Legal Framework for Nuclear Security

Organized by the IAEA

Monday, 10 February 2020, 16:00 – 17:00

ESPACE M1, M Building, first floor

The Side Event will be opened by the Director General Rafael Mariano Grossi and presents an opportunity for participating Ministers to discuss the importance of a strong international legal framework for nuclear security. The discussion will focus particularly on the global, regional and national benefits of universal adherence to the Convention on the Physical Protection of Nuclear Material (CPPNM) as amended, as well as on efforts to achieve this goal.

The Convention as amended makes it legally binding for States Parties to protect nuclear facilities and material in peaceful domestic use, storage as well as during transport. It also provides for cooperation between and among States regarding measures to locate and recover stolen or smuggled nuclear material, mitigate any radiological consequences of sabotage, and prevent and combat related offences. The Convention remains the only international legally binding undertaking in the area of physical protection of nuclear material and, with its 2005 Amendment, of nuclear facilities.

Tuesday, 11 February 2020

IEC Lunchtime Tours

Organized by the IAEA

Tuesday, 11 February 2020, Lunchtime

Information Desk, M Building, ground floor

Participants will visit the operational area of the IEC and will get acquainted with the role of the IAEA in responding to nuclear or radiological emergencies, irrespective of the cause. Participants will be informed about the IAEA's internal arrangements for response to complex emergencies where both aspects of nuclear safety and nuclear security are considered. Past relevant cases and aspects from exercises with Member States will be presented. Sign-up for IEC Tours will be available at the Information Desk in the M Building.

Strengthening the Security of High Activity Sealed Radioactive Sources (HASS): Success Stories

Organized by France, USA and Germany

Tuesday, 11 February 2020, 13:00 – 14:00

Conference Room M2, M Building, first floor

Participating Member States will be invited to present recent or ongoing activities or policies developed to improve the security of HASS or use non-HASS technologies. Beverages and finger food will be served after the start of the side event.

Computer Security Concerns for Radioactive Materials and Associated Facilities

Organized by the IAEA and the Austrian Institute of Technology GmbH (AIT)

Tuesday, 11 February 2020, 13:15 – 14:15

Cyber Village - Conference Room M4, M Building, ground floor

This side event will highlight through a live demonstration the importance of computer security for the security of radioactive material at facilities, such as hospitals and industrial sites.

EU Contribution to Promoting Standards and Improving RN Technologies & Processes in Nuclear Security

Organized by the European Commission

Tuesday, 11 February 2020, 13:15 – 14:15

Conference Room M5, M Building, ground floor

Session on the current challenges and future prospects regarding testing, evaluation and supporting standardization of RN equipment; presentation of specific EU-related initiatives and projects. Beverages and finger food will be served after the side event.

Got Insiders in Nuclear Security?

Organized by the USA: National Nuclear Security Administration (NNSA), USA: Department of Energy (DOE) and Belgium: Federal Agency for Nuclear Control (FANC)

Tuesday, 11 February 2020, 13:15 – 14:15

Conference Room M6, M Building, ground floor

This side event will review the outcomes of the Insider Threat Mitigation Symposium held in March 2019 by showcasing the six key themes and presenting the terms of reference of the Advancing Insider Threat Mitigation (INFCIRC 908) Working Group.

Improving Radiological Source Security

Organized by Finland

Tuesday, 11 February 2020, 13:15 – 14:15

Conference Room M7, M Building, ground floor

This side event will consist of a presentation of the database on implementation of international guidance on radiological source security, to be followed by a discussion of national experiences and the IAEA's role in improving radiological source security.

The UK's National Nuclear Security Regime: Ensuring Security At Home And Overseas

Organized by the United Kingdom

Tuesday, 11 February 2020, 13:15 – 14:15

Press Room, M Building, ground floor

This event will showcase how Government departments, agencies and public organizations across the UK work together to ensure a robust and effective national nuclear security regime.

Radiological Crime Scene Management Demonstration

Organized by the IAEA

Tuesday, 11 February 2020, 13.15 – 14.15

ESPACE M1, M Building, first floor

This side event will consist of the exploitation of a typical crime scene containing radiological hazards by a specialist team from Hungary.

The Contribution of the Terrorism Prevention Branch of UNODC to the Prevention of Nuclear Terrorism

Organized by the United Nations Office on Drugs and Crime (UNODC) in co-operation with Canada and the European Union

Tuesday, 11 February 2020, 13.15 – 14.15

Conference Room M3, M Building, first floor

The event will feature the longstanding work of UNODC in this area, in particular on ICSANT, CPPNM and ACPPNM, and will feature its model legislation, e-learning and other tools, as well as past and upcoming activities, and the testimony of Member States and other key partners. Beverages and finger food will be served before the start of the side event.

Women in Nuclear Security

Organized by the IAEA

Tuesday, 11 February 2020, 13:30 – 14:30

Board Room A, M Building, second floor

This side event, which coincides with the International Day of Women and Girls in Science, aims to celebrate and highlight women's contributions in the field of Nuclear Security. It will feature a panel of one moderator and three speakers and will focus on personal experiences as women leaders and scientists; on women's contributions in the area of nuclear security; and on ways to encourage gender parity in this field and cultivate the next generation of women in nuclear security.

Essay Competition Award Ceremony & NuSec Talks: 2020 and Beyond

Organized by the IAEA

Tuesday, 11 February 2020, 19:00 – 20:30

Board Room A, M Building, second floor

NuSec Talks will be presented by subject matter experts and thought leaders to spread new ideas, spark conversations and promote innovative leadership for the issues confronting the nuclear security community in 2020 and beyond.

This event will also recognise the finalists of the Essay Competition for Students and Early Career Professionals.

Wednesday, 12 February 2020

MORC - Computer Security Awareness Building

Organized by the IAEA

Wednesday, 12 February 2020, 12:45 – 13:45

Cyber Village - Conference Room M4, M Building, ground floor

This event will offer a demonstration of computer security concerns to inspection devices for materials that are outside regulatory compliance to raise awareness of the need for computer security.

Women in Nuclear Security Roundtable

Organized by Morocco and the University of Ibn Tofail

Wednesday, 12 February 2020, 12:45 – 13:45

Conference Room M5, M Building, ground floor

The representation of women in nuclear security is low and even lower in leadership positions. Seven female experts in nuclear security from different parts of the world have been invited to discuss this topic. These women hold leadership positions in their institutions and make significant contributions to nuclear security nationally and globally. This side event will be a great opportunity for sharing, learning and networking, empowering the participants with new ideas to move forward.

Lessons Learned from Organizing and Hosting the 2019 Global Initiative to Combat Nuclear Terrorism (GICNT) Nuclear Detection at Blue and Green Borders Exercise in Morocco

Organized by the Global Initiative to Combat Nuclear Terrorism (GICNT)

Wednesday, 12 February 2020, 12:45 – 13:45

Conference Room M6, M Building, ground floor

On 3-5 December 2019, the Kingdom of Morocco hosted the GICNT Nuclear Detection at Blue and Green Borders Workshop and Tabletop Exercise with support from the U.N. Office of Counter-Terrorism. The workshop and tabletop exercise addressed the underlying challenges and best practices for countering illicit trafficking of nuclear and radioactive material at unofficial blue (sea) and green (land) borders. This side event will highlight and share key outcomes, lessons learned and next steps from this exercise. In addition, copies of the exercise manual and outcomes document will be provided to participants for national use.

The Role of Law Enforcement in Nuclear Security: International Perspectives

Organized by the International Criminal Police Organization (INTERPOL)

Wednesday, 12 February 2020, 12:45 – 13:45

Conference Room M7, M Building, ground floor

This event will explore law enforcement's role in addressing criminal and terrorist threats to nuclear security, focusing on how information sharing and analysis supports investigations.

Sustaining a Nuclear Security Regime: Best Practices for National-Level Leaders and Policy Makers

Organized by the United States of America

Wednesday, 12 February 2020, 12:45 – 13:45

M1 Exhibition Area, M Building, first floor

This event will focus on Implementing Guide 30-G for national level leaders and policy makers. Participants will learn about implementing sustainability practices in their States. Beverages and finger food will be served during the side event.

INSserv Programme to Strengthen Nuclear Security Regime as it Relates to MORC

Organized by the IAEA

Wednesday, 12 February 2020, 12:45 – 13:45

Press Room, M Building, ground floor

This event will focus on the INSserv programme following the recent publication of the guidelines. It will consider different parts such as a presentation of the peer review mission on MORC as well as a presentation of a national approach and the benefits of this mission. It will also highlight the next steps with the organization of a dedicated workshop for candidate experts.

EU Support for Nuclear Security Worldwide: Building Strong Partnerships

Organized by the European Union in cooperation with the IAEA

Wednesday, 12 February 2020, 12:45 – 13:45

Conference Room M2, M Building, first floor

This side event will feature concrete activities and projects undertaken by the European Union and its Member States in support of strong nuclear security. It will highlight the successful partnerships that were built and will also outline the progress in the nuclear security research conducted by the European Commission Joint Research Centre to help meet current nuclear security challenges. The cooperation with partner countries within the framework of the EU CBRN CoE initiative will also be highlighted. Beverages and finger food will be served after the side event.

Looking Ahead to the 2021 CPPNM/A Review Conference: Trends in Nuclear Security that Impact the Prevailing Situation

Organized by the Fissile Material Working Group (FMWG)

Wednesday, 12 February 2020, 12:45 – 13:45

Conference Room M3, M Building, first floor

In 2021, the IAEA will convene a review conference for the amended Convention on the Physical Protection of Nuclear Material (CPPNM/A) to review the implementation and adequacy of the convention “in the light of the then prevailing situation.” This panel discussion will consider different perspectives on how the prevailing situation has changed since 2005, when the CPPNM/A was signed, and how it might change in the future. Each panelist will address different elements of the prevailing situation to identify trends that impact nuclear security. Beverages and finger food will be served before the start of the side event.

IEC Lunchtime Tours

Organized by the IAEA

Wednesday, 12 February 2020, Lunchtime

Information Desk, M Building, ground floor

Participants will visit the operational area of the IEC and will get acquainted with the role of the IAEA in responding to nuclear or radiological emergencies, irrespective of the cause. Participants will be informed about the IAEA’s internal arrangements for response to complex emergencies where both aspects of nuclear safety and nuclear security are considered. Past relevant cases and aspects from exercises with Member States will be presented. Sign-up for IEC Tours will be available at the Information Desk in the M Building.

Thursday, 13 February 2020

The IAEA Assessment and Prognosis in Nuclear or Radiological Emergencies Irrespective of the Cause

Organized by the IAEA

Thursday, 13 February 2020, 8:00 – 8:45

Conference Room M6, M Building, ground floor

The presentation will focus on the IAEA’s assessment and prognosis process and the tools made available to Member States in responding to nuclear or radiological emergencies, irrespective of the cause. IEC staff will present and give a live demonstration of the assessment and prognosis tools. IEC staff will comment on the feedback received from Member States involved in assessment and prognosis exercises. Two Member States (to be confirmed) will share their experiences on using the IAEA assessment and prognosis tools and their experience in participating in exercises on nuclear or radiological emergencies triggered by nuclear security events.

A Computer Security Attack Targeting a Hypothetical Nuclear Facility

Organized by the Austrian Institute of Technology GmbH (AIT)

Thursday, 13 February 2020, 12:45 – 13:45

Cyber Village - Conference Room M4, M Building, ground floor

This event will focus on the coordinated research project on enhancing computer security incident analysis, which has developed an Asherah Simulation test bed to develop detection techniques.

Assessing Attractiveness of Nuclear Materials and Radiological Materials for Research Reactors

Organized by Greece & NCSR Demokritos

Thursday, 13 February 2020, 12:45 – 13:45

Conference Room M5, M Building, ground floor

The organizers of this side event will present the draft methodology for comparing dissimilar events in Research Reactors and Associated Facilities (RRAF). This will be followed by a discussion with participants obtaining feedback for the approach developed during a related Coordinated Research Project (CRP J02006).

Nuclear Security Information Circulars – Turning Commitments into Action

Organized by the U.S. Department of Energy's National Nuclear Security Administration (NNSA) in coordination with the Governments of Australia, Canada, and Norway

Thursday, 13 February 2020, 12:45 – 13:45

Conference Room M6, M Building, ground floor

This side event, organized by the United States, in coordination with Australia, Canada and Norway, will highlight the ten IAEA Information Circulars that were the result of the 2016 Nuclear Security Summit Process:

- 901 - Joint Statement on Certified Training for Nuclear Security Management (Canada)
- 908 - Joint Statement on Insider Threat Mitigation (USA)
- 909 - Joint Statement on Transportation Security of Nuclear Materials (Japan)
- 910 - Joint Statement on the Security of High Activity Radioactive Sources (France)
- 912 - Joint Statement on Highly Enriched Uranium Minimization (Norway)
- 917 - Joint Statement on Forensics in Nuclear Security (Australia)
- 918 - Joint Statement on Countering Nuclear Smuggling (Jordan)

The event will showcase what the INFCIRCs are, what progress has made on implementation, how to join and how they benefit members who join.

Mainstreaming Nuclear Security

Organized by the IAEA

Thursday, 13 February 2020, 12:45 – 13:45

Conference Room M7, M Building, ground floor

This side event will consist of a roundtable with technical officers from other IAEA divisions and departments to highlight how nuclear security has been integrated into their projects. The discussion will highlight the successes of such cooperation and emphasize that mainstreaming nuclear security is essential to sustainability of benefits of nuclear science and technology.

The IAEA's Incident and Trafficking Database: Celebrating 25 years

Organized by the IAEA

Thursday, 13 February 2020, 12:45 – 13:45

Press Room, M Building, ground floor

In 2020, the IAEA's Incident and Trafficking Database (ITDB) celebrates its 25th anniversary. During this event, participants will review the past and look to the future of one of the longest standing nuclear security activities of the IAEA.

The Nuclear Forensics International Technical Working Group (ITWG): Meeting the Needs of Nuclear Security through Nuclear Forensics Science

Organized by the Nuclear Forensics International Technical Working Group (ITWG)

Thursday, 13 February 2020, 12:45 – 13:45

Conference Room M2, M Building, first floor

This event will focus on the recent accomplishments of the ITWG to include collaborative materials exercises, virtual exercises on national nuclear forensics libraries and forward strategies such as guidelines, evidence collection, technical exercises, outreach and training. Beverages and finger food will be served before the start of the side event.

Women in Nuclear Security

Organized by the Netherlands, Canada, Nuclear Threat Initiative (NTI), World Institute for Nuclear Security (WINS), World Nuclear Association

Thursday, 13 February 2020, 12:45 – 13:45

ESPACE M1, M Building, first floor

This event will highlight the role of women in nuclear security through a presentation of outcomes from the WINS Roundtable on Gender and Nuclear Security and a collection of female profiles from NTI's Humans of Nuclear Security project. The World Nuclear Association will also participate. Beverages and finger food will be served before the start of the side event.

IEC Lunchtime Tours

Organized by the IAEA

Thursday, 13 February 2020, Lunchtime

Information Desk, M Building, ground floor

Participants will visit the operational area of the IEC and will get acquainted with the role of the IAEA in responding to nuclear or radiological emergencies, irrespective of the cause. Participants will be informed about the IAEA's internal arrangements for response to complex emergencies where both aspects of nuclear safety and nuclear security are considered. Past relevant cases and aspects from exercises with Member States will be presented. Sign-up for IEC Tours will be available at the Information Desk in the M Building.

Faces of Nuclear Security – The Nexus Between Security and Peaceful Uses

Organized by the US Department of Energy's National Nuclear Security Administration (NNSA), the Netherlands and the Government of Nigeria

Thursday, 13 February 2020, 17:30 – 18:30

ESPACE M1, M Building, first floor

This side event will highlight the human face of security and showcase positive examples of the interface between security and peaceful uses. The event will present 4-5 stories that exemplify a mutually beneficial relationship between the security community and sustainable development (human health, food security, climate change, among others). The side event will use a multimedia format (video, audio and photos) and encourage audience participation. Beverages and finger food will be served before the start of the side event.

IAEA PUBLICATIONS RELATED TO THE SUBJECT OF THE EVENT

IAEA TECDOC No. 1820:	Identification of High Confidence Nuclear Forensics Signatures
Proceedings Series:	International Atomic Energy Agency: International Conference on Nuclear Security: Commitments and Actions
Proceedings Series:	International Atomic Energy Agency: International Conference on Physical Protection of Nuclear Material and Nuclear Facilities
Proceedings Series:	International Atomic Energy Agency: Advances in Nuclear Forensics: Countering the Evolving Threat of Nuclear and Other Radioactive Material out of Regulatory Control
IAEA TECDOC No. 1896:	Nuclear Forensics: Beyond the Science
IAEA Nuclear Security Series No. 2-G (Rev. 1):	Nuclear Forensics in Support of Investigations
IAEA Nuclear Security Series No. 11-G (Rev.1):	Security of Radioactive Material in Use and Storage and of Associated Facilities
IAEA Nuclear Security Series No. 8-G (Rev. 1):	Preventive and Protective Measures against Insider Threats
IAEA Nuclear Security Series No. 37-G:	Developing a National Framework for Managing the Response to Nuclear Security Events
IAEA Nuclear Security Series No. 36-G:	Preventive Measures for Nuclear and Other Radioactive Material out of Regulatory Control
IAEA Nuclear Security Series No. 35-G:	Security during the Lifetime of a Nuclear Facility
IAEA Nuclear Security Series No. 34-T:	Planning and Organizing Nuclear Security Systems and Measures for Nuclear and Other Radioactive Material out of Regulatory Control
IAEA Nuclear Security Series No. 32-T:	Establishing a System for Control of Nuclear Material for Nuclear Security Purposes at a Facility during Use, Storage and Movement
IAEA Nuclear Security Series No. 39-T:	Developing a Nuclear Security Contingency Plan for Nuclear Facilities
Non-serial Publications:	Preparation, Conduct and Evaluation of Exercises for Security of Nuclear and Other Radioactive Material in Transport
Non-serial Publications:	Preparation, Conduct and Evaluation of Exercises to Test Security Contingency Plans at Nuclear Facilities

Non-serial Publications:	Development of a National Nuclear Forensics Library: A System for the Identification of Nuclear or Other Radioactive Material out of Regulatory Control
Non-serial Publications:	Handbook on Nuclear Law: Implementing Legislation
Non-serial Publications:	Handbook on Nuclear Law
IAEA Safety Standards Series No. SSR-6 (Rev.1):	Regulations for the Safe Transport of Radioactive Material
IAEA Safety Standards Series No. SSG-44:	Establishing the Infrastructure for Radiation Safety
IAEA International Law Series No. 3 (Revised):	The 1997 Vienna Convention on Civil Liability for Nuclear Damage and the 1997 Convention on Supplementary Compensation for Nuclear Damage — Explanatory Texts
IAEA Safety Standards Series No. GSR Part 1 (Rev. 1):	Governmental, Legal and Regulatory Framework for Safety
IAEA International Law Series No. 4:	The International Legal Framework for Nuclear Security
IAEA International Law Series No. 5:	The 1988 Joint Protocol Relating to the Application of the Vienna Convention and the Paris Convention — Explanatory Text

PARTICIPATION IN IAEA SCIENTIFIC CONFERENCES

Governments of Member States and those organizations whose activities are relevant to the conference subject matter are invited to designate participants. In addition, the IAEA itself may invite a limited number of scientists as invited speakers. Only participants designated or invited in this way are entitled to present papers and take part in the discussions.

Representatives of the press, radio, television or other information media and members of the public, the latter as "observers", may also be authorized to attend, but without the right to take part in the proceedings.

Scientists interested in participating in any of the IAEA conferences should request information from the Government authorities of their own countries, in most cases the Ministry of Foreign Affairs or national atomic energy authority.

PUBLICATIONS

Proceedings

The proceedings of the conference containing all presentations and posters delivered at the conference, as well as the findings and recommendations, will be published by the IAEA as soon as possible after the conference.

Orders

No registration fee is charged to participants but they are encouraged to order for themselves or on behalf of their supporting organization at least one copy of the proceedings. These can be obtained at a special price representing half the estimated sales price provided that they are ordered and paid for during the conference at the Conference Desk.

Other IAEA Publications

All IAEA publications may be ordered directly from the Sales and Promotion Unit, International Atomic Energy Agency, P.O. Box 100, A-1400 Vienna, Austria.

Fax: (+43 1) 2600-29302
Email: sales_publications@iaea.org
Internet: <http://www.iaea.org/books>

FORTHCOMING SCIENTIFIC CONFERENCES SCHEDULED BY THE IAEA

2020

International Conference on Enhancing the Operational Safety of Nuclear Power Plants (CN-284), 11-15 May, Beijing China

International Conference on Knowledge Management and Human Resources Development: Challenges and Opportunities (CN-282), 15-19 June, Moscow, Russia

International Symposium on Sustainable Animal Production and Health – Current Status and Way Forward (CN-281), 22-26 June, Vienna, Austria

Scientific Forum (CN-283), 22-23 September, Vienna, Austria

28th IAEA Fusion Energy Conference (FEC2020) (CN-286), 12-17 October, Nice, France

International Conference on the Management of Naturally Occurring Radioactive Materials (NORM) in Industry (CN-287), 19-23 October, Vienna, Austria

International Conference on Radiation Safety (CN-279), 9-13 November, Vienna, Austria

International Conference on Molecular Imaging and Clinical PET-CT: Paving the Way Towards Personalized Medicine and Theranostics (IPET-2020) (CN-285), 24-27 November, Vienna, Austria

2021

International Conference on Advances in Radiation Oncology (ICARO3) (CN-288), 23-26 February, Vienna, Austria

International Conference on Topical Issues in Nuclear Installation Safety: Progressing from Evolutionary to Innovative Reactor Designs (CN-289), 12-16 April, Vienna, Austria

Second International Conference on Applications of Radiation Science and Technology (ICARST-2021) (CN-290), 19-23 April, Vienna, Austria

International Conference on Fast Reactors and Related Fuel Cycles (FR21) (CN-291), 21-25 June, Location tbc

International Conference on the Safe Transport of Radioactive Material (CN-280), dates tbc, Vienna, Austria

Scientific Forum (CN-292), 21-22 September, Vienna, Austria

EPR2021: Developing Preparedness for National and International Emergency Response (CN-293), 11-15 October, Vienna, Austria

International Ministerial Conference on Nuclear Power in the 21st Century (CN-296), October, Location tbc

International Conference on Radioactive Waste Management: Technology Advancement and Good Practices (CN-294), 1-5 November, Vienna, Austria

5th International Conference on Nuclear Power Plant Life Management (PLIM) (CN-297), 6-9 December, Osaka, Japan

International Conference on the Safety and Security of Radioactive Sources (CN-295), 13-17 December, Vienna, Austria

For information on forthcoming scientific meetings, please consult the IAEA web site:
<http://www.iaea.org/events>