

**President of the Conference:**

N. Masriera	Argentina
-------------	-----------

**Co-Presidents:**

M. Van haesendonck	Belgium
B. Thomas	USA

**Programme Committee:**

A. Lazarte	Argentina
N. Masriera	Argentina
S. Coenen	Belgium
B. De Boeck	Belgium
M. Van haesendonck	Belgium
P. Elder	Canada
C. Liu	China
F. Wastin	EU
E.-K. Puska	Finland
B. Autrusson	France
A. Mathieu	France
C. Eibl-Schwaeger	Germany
K. Tomita	Japan
A. Koteng	Kenya
M. Skrzypek	Poland
A. Khamaza	Russian Fed
D. Mistryugov	Russian Fed
N. Fedotova	Russian Fed
Y. Lee	Rep of Korea
M. Sneve	Norway
A.-M. T. Frøvig	Norway
L. Cizelj	Slovenia
M. Mkhosi	South Africa
B. Thomas	USA

**IAEA Secretariat:**

Scientific Secretaries:	L. Guo
	K. Ben Ouaghrem

Conference Organizers:	M. Neuhold
	J. Dusimatov

Rapporteur/Editor:	J. E. Heinz
--------------------	-------------

Administrative Support:	I. Kridtner
-------------------------	-------------

!!!! Please use ONLY the white area – do NOT write in the gray area !!!!

**Location of the Conference:**

THE HOTEL, Brussels  
Boulevard de Waterloo 38  
1000 Brussels, Belgium

**Working Language:** English

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

**MOBILE CONFERENCE APPLICATION**

(for smart phones and tablets)

**Android****iPhone**

Participants are encouraged to download the conference application (App) **IAEA Conferences and Meetings** available at Google Play and the iTunes Store. The QR codes above will take you there.

Once you have installed the App simply select this conference.

The App allows you to:

- ✓ message comments or questions during discussion time;
- ✓ message other participants;
- ✓ access PowerPoint presentations which have been released by their authors, and abstracts of posters;
- ✓ view an up-to-date programme;
- ✓ receive announcements via push notifications.

If you wish to do so, toward the end of the conference, please provide us with your feedback using the evaluation form available on the App.

If you have questions or require assistance on the App please contact the Conference Registration Desk.

**!!!! Please use ONLY the white area – do NOT write in the gray area !!!!**

**TIMETABLE****SUNDAY, 14 October 2018**

15:00-19:00 Registration  
 18:00-20:00 Welcome Reception  
*(at THE HOTEL, 27th floor)*

**MONDAY, 15 October 2018**

09:30-11:00 **Opening Session**  
 11:00-12:00 **Session 1- Roles of the TSOs supporting Regulatory Functions**  
 12:00-13:45 TSO Café  
 13:45-15:45 **Session 1 - Roles of the TSOs supporting Regulatory Functions (cont'd)**  
 15:45-16:15 Coffee Break  
 16:15-18:15 **ETSON side event & ETSON award**

**TUESDAY, 16 October 2018**

09:00-10:20 **Session 2.1 - Safety Assessment**  
 10:20-10:50 Coffee Break and Poster Viewing Session  
 10:50-12:30 **Session 2.1 - Safety Assessment (cont'd)**  
 12:30-13:30 Lunch Break  
 13:30-15:00 **Session 2.2 - Radiation and Waste Management Safety**  
 15:00-15:30 Coffee Break and Poster Viewing Session  
 15:30-17:30 **Session 2.3 - International Cooperation**  
 19:15 **Dinner at the restaurant "Chez Léon"**

**WEDNESDAY, 17 October 2018**

09:00-10:20 **Session 3 - Role of the TSOs in Emergency Preparedness and Response**  
 10:20-10:50 Coffee Break and Poster Viewing Session  
 10:50-12:30 **Session 3 - Role of the TSOs in Emergency Preparedness and Response (cont'd)**  
 12:30-14:00 Lunch Break  
 14:00-15:00 **Session 4 - Other Challenges of TSOs**  
 15:00-15:20 Coffee Break and Poster Viewing Session  
 15:20-17:30 **Session 4 - Other Challenges of TSOs (cont'd)**

**THURSDAY, 18 October 2018**

09:00-10:00 **Session 5 - Key components to develop and maintain the technical and scientific expertise**  
 10:00-10:30 Coffee Break and Poster Viewing Session  
 10:30-12:30 **Session 6 - How to build your technical and scientific capability?**  
 12:30-14:00 Lunch Break  
 14:00-16:00 **Conclusion of the Conference**

**!!! Please use ONLY the white area – do NOT write in the gray area !!!**

**MONDAY, 15 OCTOBER 2018**

**09:30-11:00 OPENING SESSION**

**Moderator:** **L. Guo, IAEA**  
Head of the Networks Management and  
Partnership Section

*Welcome Addresses:*

**M. Van haesendonck, Belgium**  
Director General  
Bel V

**J. Jambon, Belgium**  
Minister of the Interior of the Belgian Federal  
Government

*Opening Addresses:*

**J.-C. Lentijo, IAEA**  
Deputy Director General  
Head of the Department of Nuclear Safety  
and Security

**M. Garribba, European Union**  
Director of Direction of Nuclear Energy, Safety and  
ITER (DG ENER)

**N. Masrera, Argentina**  
President of the ARN

*Keynote Addresses:*

**B. De Boeck, Belgium**  
President of the TSO Conference 2014  
Conclusions of the TSO Conference 2014

**G. Caruso, IAEA**  
Director of the Office of Safety and Security  
Coordination  
Overview on IAEA activities related to TSOs

**!!!! Please use ONLY the white area – do NOT write in the gray area !!!!**

**MONDAY, 15 OCTOBER 2018****11:00-13:00      SESSION 1  
ROLES OF THE TSOs SUPPORTING  
REGULATORY FUNCTIONS**

**Chairperson:**    **U. Stoll, Germany**  
**Co-chairperson:** **N. Masriera, Argentina**

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
11:00-11:15	90	N. Masriera	Argentina	The experience of the Argentina Nuclear Regulatory Body using external TSOs for licensing nuclear power plants
11:15-11:30	34	B. Poubeau	France	Leading nuclear safety and radiation protection expert assessment in France
11:30-11:45	45	B. Thomas	United States of America	The Mission of a Technical Support Organization: Perspectives of the U.S. Nuclear Regulatory Commission
11:45-12:00	94	Z. Trafimchik	Belarus	TSO system development in Republic of Belarus
<b>12:00-13:45</b>	<i>TSO Café</i>			
<b>13:45-15:45</b>	<b>SESSION 1 (cont'd)</b>			
13:45-14:00	15	A. Kubiak	Poland	Technical Support Organisations in the Polish Nuclear Power Programme
14:00-14:15	3	S. Prasad	India	Challenges for Regulatory Body and Technical Support Organisations during the expansion of Nuclear Power Programme in India
14:15-14:30	79	M. Kund	Germany	Support to European Nuclear Regulatory Authorities in the Field of Nuclear Safety
14:30-14:45	107	P. Bester	South Africa	Diversification of Services offers by Nuclear Regulatory Organizations through the use of Technical Support Organization; Lessons learnt from South Africa
14:45-15:45	<i>Panel discussion (Session 1)</i>			
<b>15:45-16:15</b>	<i>Coffee Break</i>			

**!!!! Please use ONLY the white area – do NOT write in the gray area !!!!**

16:15-18:15 Side event of the European Technical Safety Organisations Network (ETSON)

16:15-16:40 Presentation by ETSON  
B. De Boeck, President of ETSON

16:40-17:15 ETSON Award 2018

17:15-18:00 Technical presentations by ETSON:

K. Herviou

M. Adorni

B. Autrusson

F. Russo

J.-C. Niel

18:00-18:15 ETSON - JRC Collaboration

France	Technical Board on Reactors Safety (TBRS)
Belgium	ETSON Research Group (ERG)
France	Institut de Radiation et de la Sûreté Nucléaire (IRSN)
Belgium	Bel V
France	Support Activities to the IAEA through the TSO Forum

**!!!! Please use ONLY the white area – do NOT write in the gray area !!!!**

**TUESDAY, 16 OCTOBER 2018**

**09:00-10:20**      **SESSION 2.1**  
**SAFETY ASSESSMENT**

**Chairperson:**    **B. Thomas, United States of America**

**Co-chairperson:** **K. Tomita, Japan**

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:00-09:20		C. Spitzer	IAEA	IAEA Int'l Conference on Topical Issues in Nuclear Installation Safety, June 2017 - Key Insights and Recommendations
09:20-09:40	46	P. Mach	Czech Republic	Systematic Approach to Regulatory Review and Assessment of Safety Documentation for Imported Nuclear Technology
09:40-10:00	109	M. Roewekamp	Germany	PSA Lessons Learned from Viewpoint of the ETSO TSOs
10:00-10:20	83	G. Repetto	France	R&D project investigating the filtering system in the sump of a PWR NPP during a Loss of Coolant Accident: VIKTORIA experiments
<b>10:20-10:50</b>	<i>Coffee Break and Poster Viewing Session</i>			
<b>10:50-12:30</b>	<b>SESSION 2.1 (cont'd)</b>			
10:50-11:10	82	M. Sonnenkalb	Germany	Current challenges in nuclear safety R&D especially code development
11:10-11:30	93	H. Kabashima	Japan	Fire Safety Regulation on High Energy Arcing Faults (HEAF)
11:30-11:50	20	L. Ovdienko	Ukraine	Support of Ukrainian Regulatory Authority in Licensing Process of Nuclear Fuel Supplier Diversification
11:50-12:30	<i>Panel discussion (Session 2.1)</i>			
<b>12:30-13:30</b>	<i>Lunch break</i>			

**!!! Please use ONLY the white area – do NOT write in the gray area !!!**

**TUESDAY, 16 OCTOBER 2018**

**13:30-15:00**      **SESSION 2.2**  
**RADIATION AND WASTE MANAGEMENT**  
**SAFETY**

**Chairperson:**    **P. Elder, Canada**

**Co-chairperson:** **A. Koteng, Kenya**

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
13:30-13:50	113	G. H. Chai	China	Nuclear and Radiation Safety as higher as reasonably achievable
13:50-14:10	51	V. Detilleux	Belgium	SITEX_Network for the development of Sustainable and Independent Technical Expertise on radioactive waste management
14:10-14:30	87	C. Debayle	France	Modernization of the IRSN's remote sensing network
14:30-15:00	<i>Panel discussion (Session 2.2)</i>			

**15:00-15:30**      *Coffee Break and Poster Viewing Session*

**15:30-17:30**      **SESSION 2.3**  
**International Cooperation**

**Chairperson:**    **P. Daures, European Commission  
DG/DEVCO**

**Co-chairperson:** **C. Eibl-Schwaeger, Germany**

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
15:30-15:50	111	P. Daures	DG/DEVCO	DG/DEVCO activities
15:50-16:10	112	M. Beilmann	OECD/NEA	OECD/NEA's activities
16:10-16:30	86	M. Adorni	Belgium	Overview of ETSON modelling and experimental capabilities for R&D on nuclear safety
16:30-16:50	17	S. Bogdan	Russian Federation	Scientific and Technical Support to the Regulatory Body within the Framework of MDEP VVERWG Activity

**!!!! Please use ONLY the white area – do NOT write in the gray area !!!!**



16:50-17:30

*Panel discussion (Session 2.2)*

19:15

***Dinner at the restaurant "Chez Léon"****(self-paying basis)**Address:**18 Rue des Bouchers,  
1000, Brussels***!!!! Please use ONLY the white area – do NOT write in the gray area !!!!**

**WEDNESDAY, 17 OCTOBER 2018**

**09:00-10:20      SESSION 3**  
**ROLE OF THE TSOS IN EMERGENCY**  
**PREPAREDNESS AND RESPONSE**

**Chairperson:      J.-L. Lachaume, France**

**Co-chairperson: A. Kuryndin, Russian Federation**

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:00-09:20	84	J.-L. Lachaume	France	Emergency, Preparedness and Response, an important stake for IRSN
09:20-09:40	80	S. Kus	Germany	Enhancing Emergency Preparedness and Response in Germany
09:40-10:00	36	A. Toma	Romania	The role and responsibilities of RATEN ICN as TSO for the Romanian Nuclear Regulatory Authority
10:00-10:20	18	A. Shapovalov	Russian Federation	SEC NRS activities in Support to Rostekhnadzor's Information and Analytical Centre
<b>10:20-10:50</b>	<i>Coffee Break and Poster Viewing Session</i>			
<b>10:50-12:30</b>	<b>SESSION 3 (cont'd)</b>			
10:50-11:10	7	K. Silva	Thailand	R&D Activities to be conducted by TSO in embarking countries: R&D to support understanding of severe accident and planning of emergency response
11:10-11:30	89	N. Puerta Yepes	Argentina	Special monitoring response capacities developed at the internal dosimetry laboratory of the Argentine Nuclear Regulatory Authority
11:30-12:30	<i>Panel discussion (Session 3)</i>			
<b>12:30-14:00</b>	<i>Lunch break</i>			

**!!!! Please use ONLY the white area – do NOT write in the gray area !!!!**

**WEDNESDAY, 17 OCTOBER 2018**

**14:00-17:30**      **SESSION 4**  
**OTHER CHALLENGES OF TSOs**

**Chairperson:**    **Y. Lee, Republic of Korea**

**Co-chairperson:** **M. Skrzypek, Poland**

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
14:00-14:20		K. Mrabit	Morocco	Synergies between safety and security
14:20-14:40	56	O. Elhefnawy	Egypt	Scientific and technical support in enhancement nuclear security: roles, capabilities and challenges
14:40-15:00	47	Z. Zhao	China	The Challenges Faced by TSOs in the field of Nuclear Facility Physical Protection
<b>15:00-15:20</b>	<i>Coffee Break and Poster Viewing Session</i>			
<b>15:20- 17:30</b>	<b>SESSION 4 (cont'd)</b>			
15:20-15:40	85	V. Leroyer and Y. Lheureux	France	Openness to civil society: which challenges for a TSO?
15:40-16:00	28	A. Imtiaz	Bangladesh	Impact of External Influences to the Development of Culture for Safety in Nuclear Organizations of Bangladesh
16:00-16:20	110	M. Naseer	Pakistan	Role of Technical Support Organization in Decommissioning of a Nuclear Power Plant
<b>16:20-17:30</b>	<i>Panel discussion (Session 4)</i>			

**!!!! Please use ONLY the white area – do NOT write in the gray area !!!!**

**THURSDAY, 18 OCTOBER 2018**

**09:00-10:00**      **SESSION 5**  
**KEY COMPONENTS TO DEVELOP AND MAINTAIN THE TECHNICAL AND SCIENTIFIC EXPERTISE**

**Chairperson:**    **L. Cizelj, Slovenia**

**Co-chairperson:** **G. H. Chai, China**

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:00-09:20	48	M. Demeshko	Russian Federation	JSC VO Safety support to Rostechnadzor in assisting embarking countries on their technical and scientific capability development
09:20-09:40	73	D. Louvat	ENSTTI	The experience of the ENSTTI initiative in meeting challenges of professional development of Technical Safety Organisations experts
09:40-10:00	44	B. Thomas	United States of America	Maintaining Capabilities of Technical Support Organizations in a Dynamic Environment: Perspectives of the U.S. Nuclear Regulatory Commission

**10:00-10:30**      *Coffee Break and Poster Viewing Session*

**10:30-12:30**      **SESSION 6**  
**HOW TO BUILD YOUR TECHNICAL AND SCIENTIFIC CAPABILITY?**

**Chairperson:**    **M. Mkhosi, South Africa**

**Co-chairperson:** **M. Betti, European Commission**

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
10:30-10:50	92	J. Repussard	France	Keynote speech on TSO challenges and cultures
10:50-11:10		K. Ben Ouaghrem	IAEA	Presentation of the IAEA TSO initiative to support Member States in developing and strengthening Technical and Scientific Support Capacity
11:10-11:30	68	S. Yao	Canada	An Effective Approach to Assessing the Needs and Availabilities of Capability for Nuclear Safety at the CNSC

**!!!! Please use ONLY the white area – do NOT write in the gray area !!!!**

11:30-12:30 *Panel discussion (Sessions 5 and 6)*

12:30-14:00 *Lunch break*

14:00-16:00 *Conclusion of the Conference*

**!!!! Please use ONLY the white area – do NOT write in the gray area !!!!**

## INTERACTIVE PRESENTATIONS

## SESSION 1 - ROLES OF THE TSOs SUPPORTING REGULATORY FUNCTIONS

<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
8	H. F. Randrianeheno	Madagascar	The technical body in radiation protection in Madagascar
9	M. Kandil	Egypt	The Role of Technical and Scientific Support Organizations in Enhancing Nuclear Safety
10	E. Eisawy	Egypt	The Increasing Role of TSO in Supporting the Safe and Secure Application for New Nuclear Power Countries
14	R. E. Hariento	Indonesia	Indonesia Nuclear Energy Regulatory Agency experience in utilize TSOs supports for nuclear reactor Licensing process activity
35	D. H. Nugroho	Indonesia	Challenge of P2STPIBN to transform into a world-class internal TSO in the Indonesian Nuclear Energy Regulatory Agency
55	I. Mirsaidov	Tajikistan	Experience of Tajikistan regulatory body on receiving support from its TSO
62	D. Taufiq	Indonesia	A strong technical support organization to enhance the nuclear regulatory; from Indonesia perspective
67	C. Matteoli	Netherlands	The Collaboration of the Dutch nuclear regulatory body with its TSO
95	N. Choudhury	Bangladesh	Interaction with TSO for developing Technical Support Structure in the field of Nuclear Safety and Security: Bangladesh Perspective
98	P. Stefania	Romania	Areas in which regulatory bodies require assistance
102	M. Surur Kediri	Ethiopia	The experience of TSOs and regulatory bodies in working together
106	N. Zeleznik	Slovenia	Experiences of EIMV as one of the Slovene TSO

!!!! Please use ONLY the white area – do NOT write in the gray area !!!!

<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
	T. Li	China	Discussion on the role, challenge and Improvement of TSOs in Enhancing Nuclear Safety
	F. Wastin	European Commission	The JRC's Technical and Scientific support to the European Commission, Member States and external partners
<b>SESSION 2.1 - SAFETY ASSESSMENT</b>			
<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
23	N. Helal	Egypt	Support required for safety management of decommissioning of research reactors.
25	O. Dybach	Ukraine	Scientific and Technical Support to the Licensing Process for the Construction of New Spent Fuel Storage Facilities in Ukraine: Achievements, Challenges and R&D Need
26	P. Ampornrat	Thailand	Development of research program for aging management for Thai research reactor TRR-1/M1
31	O. Balashevskyi	Ukraine	Scientific and Technical Support to the Ukrainian State Enterprise National Nuclear Energy Generating Company Energoatom
33	P. Ampornrat	Thailand	Development of strategy of research and development to support nuclear safety regulation
77	M. K. Abdul Karim	Malaysia	Evaluating the requirement for Nuclear Security Control of Radioactive Sources at medical Facilities in Malaysia
88	E. Negrenti	Italy	Advanced Multi-Purpose Engineering Simulators
100	M. Maskin	Malaysia	COMPASS-M: Probabilistic Safety Assessment of Existing Facility to Develop Skills for Evaluation of Nuclear Power Plant Safety
101	Z. Y. Yang	China	Current Challenges in Nuclear Safety Review on Hydrogen Management in Severe Accident

**!!!! Please use ONLY the white area – do NOT write in the gray area !!!!**

<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
103	S. Mohamed	Egypt	Designing ageing Management System for Safety Related SSC's in Hypothetical Nuclear fuel cycle Facility
114	H. F. Yang	China	The current status and planning of Nuclear Radiation Safety Regulatory Capacity in China
	Y. Wei	China	Core Damage Assessment System for NSSA of the PRC
<b>SESSION 2.2 - RADIATION AND WASTE MANAGEMENT SAFETY</b>			
<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
4	M. A. Addo	Ghana	GHARR-1 Core Conversion Project: Environmental Radiation Dose Monitoring Aspect for Irradiated Fuel Transfer from Temporal to Final Storage at NRRC
6	N. Autsavapromporn	Thailand	A correlation study of indoor radon environment caused by climate change and air pollution in Chiang Mai: a pilot study
16	I. Ali	Bangladesh	Development of Countrywide Baseline Gamma Radiation Mapping Database for the Nuclear Power Program in Bangladesh
19	A. Madonna	Italy	EC cooperation to enhance regulatory and TSO capabilities for regulation and safety review of radioactive waste management facilities and activities at Armenian NPP
21	Q. Chu	China	Quality management system for radiation measurement in China
22	I. Nikolaiev	Ukraine	Safety Review of Legacy Sites: National Experience, Guidelines and Methods Applied by the Technical Safety Organization
24	N. Helal	Egypt	Study of Gamma Ray and Fast Neutron Shielding Properties of some Concrete Materials

!!!! Please use ONLY the white area – do NOT write in the gray area !!!!



<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
49	M. El Ashmawy	Egypt	Constraints on using NaCl salt for precise retrospective dose construction in radiation accidents
52	N. Mohlala	South Africa	Development of Radio-analytical Services in Support of Independent Verification for Regulatory Environmental Monitoring Programme Challenges and Lessons Learnt
65	M. Atogo	Kenya	Impact of Inadequate Technical Capabilities on TSOs in Provision of Effective Radiological Services in Kenya
74	A. Niane	Senegal	Compensate the gap of Technical Support Organization by the regulatory authority for the diagnostic reference levels in medical radiology
78	J. Fluegge	Germany	Challenges on the way to Final Disposal of High Level Radioactive Waste
105	K. Issa	Niger	Radiation Protection Activities in Niger and its challenges with the embarking of the Country in Nuclear Power Program (NPP)

### **SESSION 2.3 - INTERNATIONAL COOPERATION**

<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
32	C. D. Le	Vietnam	Lessons learned from the Ninh Thuan Nuclear Power Project in Vietnam and Proposals for the use of research for developing national regulations

### **SESSION 3 - ROLE OF THE TSOS IN EMERGENCY PREPAREDNESS AND RESPONSE**

<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
1	J. Zhang	China	Experiences and Challenges in the Development of Emergency Assessment tools in China

**!!!! Please use ONLY the white area – do NOT write in the gray area !!!!**

**SESSION 3 - ROLE OF THE TSOS IN EMERGENCY PREPAREDNESS AND RESPONSE**

<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
42	F. Rocchi	Italy	A Statistical Method to Compare Severe Accident Off-site Consequences on a given Country from different NPP Sites
76	M. Wafaa	Egypt	Safety Culture Development in Radiation Accidents - Arrangements for Communication with the Public
91	S. Gossio	Argentina	Regional Multiparametric Intercomparison Exercise on Physical, Biological and Computational Dosimetry in a gammagraphy scenario

**SESSION 4 - OTHER CHALLENGES OF THE TSOS**

<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
43	D. Branco	Portugal	Translation and Interpretation
96	M. H. Mogahed	Sudan	Sudanese Nuclear & Radiological Regulatory Authority to enhancing TSOs for Nuclear Security
97	E. Dagorn	France	Supporting regulators with construction inspections: the inspection organization's perspective

**SESSION 5 - KEY COMPONENTS TO DEVELOP AND MAINTAIN THE TECHNICAL AND SCIENTIFIC EXPERTISE**

<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
29	A. Madonna	Italy	Training and Tutoring for experts of NRA and their TSOs to strengthen regulatory and technical capabilities
30	A. Elmessiry	Egypt	Technical Support and Regulatory Activity: Challenges faced by ENRRA
58	D. O. Kpeglo	Ghana	Over A Decade of Post-Graduate Education and Training in Radiation Protection in Ghana

**!!!! Please use ONLY the white area – do NOT write in the gray area !!!!**

63	A. Rizea	Romania	Enhancing Technical and Scientific Capabilities of TSOs in Romania to Support Regulator and Nuclear Industry
116	L. Cizelj	Slovenia	Jožef Stefan Institute as a scientific and technical support organization to the nuclear regulatory body in Slovenia
<b>SESSION 6 - HOW TO BUILD YOUR TECHNICAL AND SCIENTIFIC CAPABILITY?</b>			
<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
40	S. Sommer	Poland	Technical Support Organization (TSO) for Nuclear Power Plant in Poland: the view of Research Institute
59	C. M. Papp	Argentina	Actions and challenges in Latin America and the Caribbean to improve and strengthen TSOs in overexposure situations
64	Y. Pramono	Indonesia	Concept of Indonesian national policy and strategy concerning Nuclear Safety
117	L. Cizelj	Slovenia	The European Nuclear Education Network ENEN: 15 years

!!!! Please use ONLY the white area – do NOT write in the gray area !!!!

## **PARTICIPATION IN IAEA SCIENTIFIC MEETINGS**

Governments of Member States and those organizations whose activities are relevant to the meeting subject matter are invited to designate participants in IAEA scientific conferences and symposia. 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 meetings 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 will be published by the IAEA as soon as possible after the conference.

### **Orders**

All IAEA publications may be ordered at the Conference Desk or directly from the

Marketing and Sales Unit  
Publishing Section  
International Atomic Energy Agency  
Vienna International Centre  
P.O. Box 100  
1400 Vienna, Austria  
Fax: (+43 1) 2600-29302  
Email: [sales.publications@iaea.org](mailto:sales.publications@iaea.org)  
Internet: <http://www.iaea.org/books>

### **E-learning for Nuclear Newcomers**

The IAEA has created an interactive e-learning series explaining the IAEA's Milestones Approach to introducing a nuclear power programme. This approach is based on three phases and covers the 19 infrastructure issues that need to be addressed, and brings decades of expertise to life. Both newcomers and those expanding their nuclear power programmes may benefit from the e-learning series.

More information and the modules are available on:

<http://www.iaea.org/NuclearPower/Infrastructure/elearning/index.html>

### **E-learning for Nuclear Security**

The IAEA offers 16 free online learning modules in nuclear security in four topical categories: Crosscutting Topics, Nuclear Security of Materials and Facilities, Nuclear Security of Materials Outside of Regulatory Control, and Information and Computer Security. Each module is based on the IAEA Nuclear Security Series and other guidance documents and is estimated to take one to four hours to complete. The modules target a wide range of professionals with nuclear security responsibilities and others interested.

More information and the modules are available on:

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

**IAEA PUBLICATIONS RELATED TO THE SUBJECT OF THE CONFERENCE**

STI/PUB/1708 IAEA Safety Standards Series No. GSR Part 7: Preparedness and Response for a Nuclear or Radiological Emergency

STI/PUB/1467 IAEA Safety Standards Series No. GSG-2: Criteria for Use in Preparedness and Response for a Nuclear or Radiological Emergency

STI/PUB/1265 IAEA Safety Standards Series No. GS-G-2.1: Arrangements for Preparedness for a Nuclear or Radiological Emergency

STI/PUB/1796 IAEA Safety Standards Series No. GS-G-11: Arrangements for the Termination of a Nuclear or Radiological Emergency

EPR-Public Communications 2012 Communication with the Public in a Nuclear or Radiological Emergency

EPR-Public Communication Plan 2015 Method for Developing a Communication Strategy and Plan for a Nuclear or Radiological Emergency

STI/PUB/1713 IAEA Safety Standards Series No. GSR Part 1 (Rev. 1): Governmental, Legal and Regulatory Framework for Safety

STI/PUB/1710 Non-serial Publications: The Fukushima Daiichi Accident

STI/PUB/1676 IAEA Nuclear Energy Series No. NP-T-3.16: Accident Monitoring Systems for Nuclear Power Plants

STI/PUB/1644 IAEA Nuclear Energy Series No. NW-T-2.7: Experiences and Lessons Learned Worldwide in the Cleanup and Decommissioning of Nuclear Facilities in the Aftermath of Accidents

STI/PUB/1730 IAEA Nuclear Energy Series No. NG-T-6.8: Nuclear Accident Knowledge Taxonomy

STI/PUB/1273 IAEA Safety Standards Series No. SF-1: Fundamental Safety Principles

STI/PUB/1578 IAEA Safety Standards Series No. GSR Part 3: Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards

STI/PUB/1776 Non-serial Publications: The Radiological Accident in Chilca

STI/PUB/1660 Non-Serial Publications: The Radiological Accident in Lia, Georgia

STI/PUB/1389 Non-serial Publications: The Radiological Accident in Nueva Aldea

STI/PUB/1199 Non-Serial Publications: The Radiological Accident in Cochabamba

STI/PUB/1123 Non-Serial Publications: The Radiological Accident in Gilan

STI/PUB/1124 Non-serial Publications: The Radiological Accident in Samut Prakarn

IAEA safety standards on emergency preparedness and response can be found at <https://www.iaea.org/topics/emergency-preparedness-and-response/safety-standards-technical-guidance>

IAEA Emergency Response and Preparedness Series Publications can be found at [www.iaea.org/publications/epr-series](http://www.iaea.org/publications/epr-series)

IAEA Accident Reports can be found at [https://www-pub.iaea.org/books/IAEABooks/Publications\\_on\\_Accident\\_Response](https://www-pub.iaea.org/books/IAEABooks/Publications_on_Accident_Response)

**FORTHCOMING SCIENTIFIC MEETINGS SCHEDULED BY THE IAEA**

**2018**

27th IAEA Fusion Energy Conference (FEC 2018) (CN-258), 22-27 October; Ahmedabad, India

Symposium on International Safeguards (CN-267), 5-9 November; Vienna, Austria

Ministerial Conference on Nuclear Science and Technology: Addressing Current and Emerging Development Challenges (CN-262), 28-30 November; Vienna, Austria

International Conference on the Security of Radioactive Material: The Way Forward for Prevention and Detection (CN-269), 3-7 December, Vienna, Austria

International Symposium on Understanding the Double Burden of Malnutrition for Effective Interventions (CN-268), 10-13 December, Vienna, Austria

**2019**

International Symposium on Isotope Hydrology (CN-271), 20-24 May; Vienna Austria

International Symposium on Standards, Applications and Quality Assurance in Medical Radiation Dosimetry (IDOS 2019) (CN-273), 18 -21 June; Vienna, Austria

International Conference on the Management of Spent Fuel from Nuclear Power Reactors: Learning from the Past, Enabling the Future, (CN-272), 24-28 June, Vienna, Austria

Scientific Forum, (CN-274), September; Vienna, Austria

International Conference on Climate Change and the Role of Nuclear Power (CN-275), 7-11 October; Vienna, Austria

International Symposium on Trends in Radiopharmaceuticals (ISTR-2019) (CN-276), 28 October-1 November; Vienna, Austria

International Conference on Effective Regulatory Systems for Nuclear and Radiation Safety (CN-270), November, TBD

International Conference on Research Reactors: Addressing Challenges and Opportunities to Ensure Effectiveness and Sustainability: (CN-277), 25-29 November, Buenos Aires, Argentina

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