

President of the Conference:

T. Varjoranta, Finland

Co-Presidents:

R. Jammal, Canada
Y.W. Park, Republic of Korea

Programme Committee:

Chairperson:

R. Jammal, Canada

Members:

T. Varjoranta, Finland
Y.W. Park, Republic of Korea
B. Borchardt, USA
Y. Pouleur, Belgium
B. Howden, Canada
L. Hua, China
Y. Tianwen, China
J.C. Niel, France
Th. Mieusset, France
I. Sokolova, Russian Federation
S. Bogdan, Russian Federation
R. Adnan, Malaysia
M. Heitsch, IAEA
P. Woodhouse, IAEA

Conference Secretariat:

Scientific Secretaries: P. Woodhouse, IAEA
M. Heitsch, IAEA

Conference Coordination: M. Neuhold, IAEA
K. Morrison, IAEA

Editor: E. Bergschneider, IAEA

Location of the Conference:

Fairmont Château Laurier Hotel
1 Rideau Street
Ottawa, Canada K1N 8S7

Working Language: English

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

TIMETABLE

Monday, 8 April 2013

10:00-18:00 Registration and distribution of Conference material

14:00-18:00 Opening Plenary

14:00-15:30 **Welcoming Remarks**

15:30-16:00 *Coffee Break*

16:00-18:00 **Keynote Panel Discussion:
Awareness Of Safety At A National Level**

18:00 *Welcome Reception*

Tuesday, 9 April 2013

**09:00-13:00 Topical Session 1:
Regulatory Lessons Learned And Actions Taken**

11:20-11:45 *Coffee Break and
Poster Viewing
Session*

11:45-13:00 **Panel Discussion 1**

13:00-14:15 *Lunch Break*

**14:15-18:15 Topical Session 2:
Waste Management And Spent Fuel Safety**

16:15-16:45 *Coffee Break and
Poster Viewing
Session*

16:45-18:15 **Panel Discussion 2**

Wednesday, 10 April 2013

**09:00-13:00 Topical Session 3:
Emergency Management**

11:00-11:30 *Coffee Break and
Poster Viewing
Session*

11:30-13:00 **Panel Discussion 3**

13:00-14:15 *Lunch Break*

**14:15-18:15 Topical Session 4:
Emerging Programmes**

16:15-16:45 *Coffee Break and
Poster Viewing
Session*

16:45-18:15 **Panel Discussion 4**

19:30 *Conference Dinner*

Thursday, 11 April 2013

**09:00-13:00 Topical Session 5:
Human And Organizational Factors, Safety
And Security Culture**

11:00-11:30 *Coffee Break*

11:30-13:00 **Panel Discussion 5**

13:00-14:00 *Lunch Break*

14:00-15:30 Closing Session

Friday, 12 April 2013

07:00-17:00 Technical Tour to AECL Chalk River Laboratories

08:30-12:00 Technical Tour to NORDION

MONDAY, 8 APRIL 2013

10:00-18:00 Registration and distribution of
conference material

14:00–18:00 **OPENING PLENARY**

**Conference
President:** **Tero Varjoranta, Finland**

Serge Dupont, Canada
Deputy Minister of Natural Resources

Opening address

Yukiya Amano, IAEA
Director General

Opening address (by video message)

Tero Varjoranta, Finland
Director General, STUK

Opening Address by President of the Conference

Denis Flory, IAEA
Deputy Director General, Head of
Department of Nuclear Safety and Security

The IAEA Action Plan on Nuclear Safety – Regulatory Aspects

Nikolay Kutin, Russian Federation
Chairman Rostekhnadzor
presented by Valery Bezzubtsev

Progress in the issues identified at the International Regulator
Conference 2009 in Cape Town

15:30-16:00 *Coffee Break*

16:00–18:00 **KEYNOTE PANEL DISCUSSION**

Awareness of Safety at a National Level

Chairperson: **M. Binder, Canada**

Panellists: **H. Liu, China**
A. Vorwerk, Germany
W. Travers, UAE
D. Flory, IAEA
P. Krs, ENSREG
T. Mitchell, WANO
T. Gitzel, WNA

18:00 *Welcome Reception*

Fairmont Château Laurier Hotel

TUESDAY, 9 April 2013

09:00–13:00 **TOPICAL SESSION 1:**
Regulatory Lessons Learned and
Actions Taken

Chairperson: **A. Macfarlane, United States of America**

	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:00-09:20	V. Bezzubtsev	Russian Federation	Steps To Improve Nuclear Safety Regulation in the Russian Federation: From Fukushima to the Future
09:20-09:40	W. Hou	China	Nuclear Safety Regulatory Actions of China after Fukushima Accident
09:40-10:00	H. Klonk	Germany	Immediate Actions and Safety Review in Germany
10:00-10:20	K. Oshima	Japan	Lessons from Fukushima – Response and Changes to Regulatory Framework and System
10:20-10:40	P. Jamet	France	Regulatory Response and Changes to French Regulatory Framework Arising from the Lessons Learned from the Fukushima Accident
10:40-11:00	S.H. Song	Republic of Korea	Regulatory Actions and Follow up Measures against Fukushima Accident in Korea
11:00-11:20	R. Meserve	United States of America	INSAG perspective on the International Experts' Meetings to support the IAEA Action Plan

11:20–11:45 *Coffee Break and Poster Viewing Session*

11:45–13:00 **PANEL
DISCUSSION** Panellists:
Chair and invited speakers of the session

13:00-14:15 *Lunch Break*

Lunch Speaker **C. Cousins** ICRP ICRP Recommendations on Protection of People During and After a Nuclear Emergency

TUESDAY, 9 APRIL 2013

14:15-18:15 **TOPICAL SESSION 2:
Waste Management and Spent Fuel
Safety**

Chairperson: **I. Salati, Brazil**

	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
14:15-14:35	R. Paltemaa	Finland	Licensing of the Spent Fuel Disposal Facility in Finland: Steady Progress towards an Operating Facility
14:35-14:55	O.E.A. Osman	Sudan	Role of the Regulatory Authority to Developing the Radioactive Waste Management System and Interim Storage Facilities in Sudan from 1996 to 2012
14:55-15:15	J. Anderberg	Sweden	Regulatory challenges in the licensing of a spent nuclear fuel repository in Sweden
15:15-15:35	D. Howard	Canada	Early Regulatory Involvement In The Process Of Siting Deep Geological Repositories
15:35-15:55	H. Wanner	WENRA	WENRA: Harmonisation of Safety Requirements by Self-Commitment, Mutual Benchmarking and Control
15:55-16:15	Y. Stockmann	European Union	EU Technical Assistance For Nuclear Safety through the Instrument for Nuclear Safety Cooperation

16:15–16:45 *Coffee Break and Poster Viewing Session*

16:45–18:15 **PANEL
DISCUSSION**

Panellists:
Chair and invited speakers of the session
K. Nash (Canada)
J. Reig (OECD/NEA)

18:15 *Adjourn*

WEDNESDAY, 10 APRIL 2013

09:00–13:00 **TOPICAL SESSION 3:
Emergency Management**

Chairperson: **L. Hubbard, Sweden**

	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:00-09:20	E. Buglova	IAEA	IAEA Safety Standards and Guidelines for Preparedness and Response to Nuclear And Radiological Emergencies
09:20-09:40	A. Gonzalez	Argentina	Radiation Protection Issues Presenting Challenges for Communication, Coordination and Consistency In the Response to Emergencies
09:40-10:00	R. Velasco	Spain	Emergency Communication: Keys for an Effective Communication
10:00-10:20	T. Homma	Japan	A New Emergency Response Scheme Based on Lessons Learned from Fukushima Daiichi Accident
10:20-10:40	J.C. Niel	France	Establishment and implementation of criteria for protective actions in an emergency and during remediation
10:40-11:00	M. Purdy	Canada	Challenges in integrating local authorities and first responders in inter-regional and national emergency management programs

11:00–11:30 *Coffee Break and Poster Viewing Session*

11:30–13:00 **PANEL
DISCUSSION**

Panellists:
Chair and invited speakers of the session
P. Dickman (USA)

13:00-14:15 *Lunch Break*

Lunch Speaker **J. Barrett** Canada Nuclear Governance and the IAEA Board of Governors

THURSDAY, 11 April 2013

09:00–13:00 **TOPICAL SESSION 5:**
Human and Organizational Factors,
Safety and Security Culture

Chairperson: **Y.W. Park, Republic of Korea**

	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:00-09:20	K. Heppell-Masys	Canada	Regulation of Human and Organizational Factors in Canada's Nuclear Industry
09:20-09:40	Th. Houdré	France	The Importance of the Human And Organisational Factors for Safety and Radioprotection
09:40-10:00	A. Habib	Pakistan	Safety and Security Culture within the Regulatory Body
10:00-10:20	B. Borchardt	United States of America	Nuclear Safety Culture: The US Nuclear Regulatory Commission Experience
10:20-10:40	R. Howsley	WINS	Why Regulators must set Professional Competency Standards for Nuclear Security
10:40-11:00	P. Tiippana	Finland	Regulatory Oversight of the Licensee: The Finnish Experience

11:00 -11:30 *Coffee Break*

11:30–13:00 **PANEL
DISCUSSION**

Panellists:
Chair and invited speakers of the session
J.E. Lyons (IAEA)
J. Maddox (Canada)
M. Beaudette (Canada)

13:00-14:00 *Lunch Break*

THURSDAY, 11 APRIL 2013

14:00–15:30 **CLOSING SESSION**

14:00-15:00 **Session
Summaries**

15:00-15:30 **T. Varjoranta** Finland Summary and Conclusions of the Conference
President of
Conference
Closing Remarks

15:30 *Adjourn*

FRIDAY, 12 April 2013

07:00–17:00 Technical Tour to AECL
Chalk River Laboratories

or

08:30-12:00 Technical Tour to NORDION

CONTRIBUTED PAPERS

<i>No. of Paper IAEA-CN-198 -</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
03	M. Bacon-Dussault	Canada	Independence of Nuclear Regulators in the Aftermath of the Fukushima Daiichi Nuclear Accident: A Comparative Approach
05	A. Borros	Philippines	The Impact of ISO 9001:2008 Quality Management System Implementation on Organizational Performance of the Nuclear Regulatory Division of Philippine Nuclear Research Institute
06	A. Buzdugan	Moldova	New Moldovan's Regulatory Framework arising from the 2006-2011 Activity
08	W.C. Choi J. Lee K.H. Yoon Y.H. Park H.C. Yi J. Lee	Republic of Korea	Control of material and products containing natural radioisotopes in Korea
09	C. Ciurea-Ercau	Romania	Improvement of the Romanian Nuclear Regulatory Framework Post-Fukushima – New Requirements on Severe Accident Management and on Emergency Preparedness and Response
12	L. Evrard K. Averseng	France	The French National Plan for the Management of Radioactive Materials and Waste
13	B. Ewing	Canada	Improving Nuclear Regulatory Agencies' Integrated Safety Assessments: Using a Simplified Approach to Include Processes in the Integration
14	F. Mansoor J. Faisal S.A.N. Bhatti	Pakistan	PNRA Regulatory Oversight Program to Strengthen Human Performance
15	R.F. Fernández A.G. Campos A.A. Fernández	Cuba	Promoting Safety Culture: The Cuban Regulatory Approach and Experience
16	S.M.A. Habib S.A.N. Bhatti M.A. Qureshi	Pakistan	PNRA contribution in International Regulatory Cooperation for the Development of Regulatory Bodies of Countries Embarking on Nuclear Power Program
18	Th. Houdré	France	The French Complementary Safety Assessments (CSAs)
19	M. Ibrahim	Egypt	Establishing, Organizing and Strengthening of Egyptian Regulatory Authority
20	K. Kadadunna	Sri Lanka	Radiation Protection and Waste Safety Issues at the Mineral Sand Separation Site in Sri Lanka
22	A.O. Koteng	Kenya	National Challenges in the Regulatory Role and Coordination in Kenya
23	A. Mastauskas	Lithuania	Response during the nuclear accident at Fukushima Daiichi Nuclear Power Plant

<i>No. of Paper IAEA-CN-198 -</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
24	C.M. Nohay M. Visitacion B. Palattao	Philippines	Status of site investigation for low and intermediate level waste facilities in the Philippines
26	R. Alamsyah	Indonesia	Updating Regulatory Development in Facing the First NPP in Indonesia after Fukushima Dai-ichi Nuclear Accident
27	A. Sapoznikov	Russia	Aspects of strengthening the Rostekhnadzor's functional sub-system for monitoring of nuclear and radiation hazardous facilities in framework of the Russian unified system of prevention and mitigation of emergencies
29	M. Sneve M. Kiselev N. Shandala	Norway	Strengthening International Cooperation between Regulators and International Organisations in Regulatory Supervision of Legacy Sites
31	M. Tronea C. Ciurea-Ercau	Romania	Regulatory Oversight of Safety and Security Culture Using Inspection and Review Guidelines Based on the IAEA Safety Standards
34	T. Zhunussova M. Sneve A. Liland	Norway	Regulatory approach to radioactive waste management in Central Asia
36	K. Omari-Daddey	Ghana	Effective nuclear monitoring and regulatory system in Ghana; transforming experience through information technology
39	R. Cruz-Ortiz M.A. Polo-Labarrrios	Mexico	Regulatory Bodies in Mexico: Oversight of Laguna Verde Nuclear Power Plant after Fukushima Daiichi Accident
41	M.E. Schwartz D.J. Sieracki	USA	Nuclear Safety Culture: The Nuclear Regulatory Commission's Experience

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 containing all presentations and posters delivered at the meeting, 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 meeting at the Registration Desk.

Other IAEA Publications

All IAEA publications may be ordered at the Registration Desk or 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>

IAEA PUBLICATIONS RELATED TO THE SUBJECT OF THE CONFERENCE

		STI/PUB/1477	IAEA Nuclear Energy Series No. NG-T-3.10: Workforce Planning for New Nuclear Power Programmes
STI/PUB/1192	IAEA Safety Standards Series No. GS-G-1.5: Regulatory Control of Radiation Sources Safety Guide	STI/PUB/1525	IAEA Nuclear Energy Series No. NW-G-2.1: Policies and Strategies for the Decommissioning of Nuclear and Radiological Facilities
STI/PUB/1583	IAEA Safety Standards Series No GSG-4: Use of External Experts by the Regulatory Body	STI/PUB/1504	Liquid Metal Coolants for Fast Reactors (Reactors Cooled by Sodium, Lead and Lead-bismuth Eutectic)
STI/PUB/1529	Safety Reports Series No. 69: Management System Standards: Comparison between IAEA GS-R-3 and ISO 9001:2008	STI/PUB/1347	IAEA Nuclear Security Series No. 7: Nuclear Security Culture
STI/PUB/1551	Safety Reports Series No. 72: Monitoring for Compliance with Remediation Criteria for Sites	STI/PUB/1592	Proceedings Series - International Atomic Energy Agency: Management and Storage of Research Reactor Spent Nuclear Fuel: Proceedings of a Technical Meeting held in Thurso, United Kingdom, 19–22 October 2009
STI/PUB/1473	Safety Reports Series No. 66: Earthquake Preparedness and Response for Nuclear Power Plants		
STI/PUB/1545	Safety Reports Series No. 73: Low Level Event and Near Miss Process for Nuclear Power Plants: Best Practices	IAEA-TECDOC-1525	IAEA TECDOC No. 1525: Notification and Authorization for the Use of Radiation Sources (Supplement to IAEA Safety Standards Series No. GS-G-1.5)
STI/PUB/1487	IAEA Nuclear Security Series No. 14: Nuclear Security Recommendations on Radioactive Material and Associated Facilities	IAEA/PUB/CAT/2012/13 SUBJ/CAT/SS/2012	Publications Catalogue 2012/13 IAEA Safety Standards
STI/PUB/1488	IAEA Nuclear Security Series No. 15: Nuclear Security Recommendations on Nuclear and Other Radioactive Material out of Regulatory Control	IAEA/IEM/1	Reactor and Spent Fuel Safety in the Light of the Accident at the Fukushima Daiichi Nuclear Power Plant, International Experts Meeting 19–22 March 2012, Vienna, Austria
STI/PUB/1481	IAEA Nuclear Security Series No. 13: Nuclear Security Recommendations on Physical Protection of Nuclear Material and Nuclear Facilities (INFCIRC/225/Revision 5)	IAEA/IEM/2	Enhancing Transparency and Communication Effectiveness in the Event of a Nuclear or Radiological Emergency, International Experts Meeting 18–22 June 2012, Vienna, Austria
STI/PUB/1278	IAEA Nuclear Security Series No. 5: Identification of Radioactive Sources and Devices	IAEA/IEM/3	Protection against Extreme Earthquakes and Tsunamis in the Light of the Accident at the Fukushima Daiichi Nuclear Power Plant, International Experts Meeting 4–7 September 2012, Vienna, Austria
STI/PUB/1348	IAEA Nuclear Security Series No. 9: Security in the Transport of Radioactive Material		
STI/PUB/1549	IAEA Nuclear Energy Series No. NP-T-5.1: Specific Considerations and Milestones for a Research Reactor Project		

FORTHCOMING SCIENTIFIC MEETINGS SCHEDULED BY THE IAEA

2013

International Experts' Meeting on Human and Organizational Factors in Nuclear Safety in the Light of the Accident at the Fukushima Daiichi Nuclear Power Plant
21-24 May 2013, Vienna, Austria

International Ministerial Conference on Nuclear Power in the 21st Century
27-29 June 2013, St. Petersburg, Russian Federation

The International Conference on Nuclear Security: Enhancing Global Efforts
1-5 July 2013, Vienna, Austria

International Conference on Integrated Medical Imaging in Cardiovascular Diseases
30 September-4 October 2013, Vienna, Austria

International Conference on the Safety and Security of Radioactive Sources: Maintaining the Continuous Global Control of Sources throughout their Life Cycle
27-31 October 2013, Abu Dhabi, UAE

International Conference on Topical Issues in Nuclear Installation Safety
21-24 October 2013, Vienna, Austria

2014

International Conference on Challenges Faced by Technical and Scientific Support Organizations (TSO) in Enhancing Nuclear Safety and Security
7-11 April 2014, Beijing, China

International Conference on Human Resource Development for Introducing and Expanding Nuclear Power Programmes: Building and Sustaining Capacity
12-16 May 2014, Vienna, Austria

International Symposium on Understanding moderate malnutrition of children under five years of age for effective interventions
6-9 June 2014, Vienna, Austria

International Symposium on Uranium Raw Material for Nuclear Fuel Cycle: Exploration, Mining, Production, Supply and Demand, Economics and Environmental Issues
16-20 June 2014, Vienna, Austria

International Conference on Advances in Nuclear Forensics: Countering the Evolving Threat of Nuclear and Other Radioactive Material out of Regulatory Control
7-10 July, Vienna, Austria

Symposium on International Safeguards
17-24 October 2014, Vienna, Austria

25th Fusion Energy Conference (FEC2014)
13-18 October 2014, St. Petersburg, Russian Federation

International Symposium on Nuclear and Related Techniques for Food Integrity, Traceability, Safety and Quality
10-14 November 2014, Vienna, Austria

International Conference on Occupational Radiation Protection
1-5 December 2014, Vienna, Austria

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

NOTES