

## **SUNDAY, 18 NOVEMBER 2007**

16:00–19:00      Registration

## **MONDAY, 19 NOVEMBER 2007**

08:00 – 10:00      Registration

10:00–12:30      **OPENING SESSION**  
**The Journey So Far and the Path Ahead**

**Peter R. Jenkins, CMG**  
President of the Conference

**William Nye**  
Director of Counter-terrorism and Intelligence  
UK Home Office,

**Tomihiko Taniguchi, IAEA**  
Deputy Director General  
Head of Department of  
Nuclear Safety and Security

**Steven Aoki**  
Deputy Under Secretary for Counterterrorism  
US Department of Energy

**Peter Burian,**  
Chairman, UN 1540 Committee

**Ken-ichi Suganuma**  
Consul General of Japanese Consulate in Edinburgh

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12:30 -14:00      Lunch

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**14:00–15:30**      **SESSION 1:  
Illicit Trafficking and Nuclear Terrorism I**

**Chair:**  
**Rapporteur:**

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<i>No. of Paper IAEA-CN-154/</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
078	W. Bowen	UK, Kings College	Indications and Warnings: A Framework for Assessing the Threat' (in context of trafficking and terrorism)
079	P. Gridling	Europol	Fighting nuclear smuggling in the EU
073	I. Chatzis	United Nations Office on Drugs and Crime	Strengthening Border Control and Management
080	E. R. Koch	Germany	The Public Perception

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**15:30–16:30**      **Poster Session with refreshments**

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**16:30–18:00**      **SESSION 1 (cont):  
Illicit Trafficking and Nuclear Terrorism II**

068	R. Hoskins	IAEA	Trafficking and the Threat
075	I. Gill	UK Joint Terrorism Analysis Centre	Illicit Trafficking: The Nature of the Trade
077	<a href="#">J. Mason-Ponting</a>	Interpol	Radiological and Nuclear Trafficking Threats and Interpol Programs
019	D. Muleya	Zambia	The Threat of Illicit Trafficking in an Under Resourced Country: A Case for Zambia
027	G. Balatsky	USA	Assessing the Phenomenon of Illicit Trafficking

**19:00–21:00**      **Reception (Scottish National Gallery)**

**TUESDAY, 20 NOVEMBER 2007**

**09:00–10:30**      **SESSION 2:  
International Instruments and  
Their Implementation – I**

**Chair:  
Rapporteur:**

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<i>No. of Paper IAEA-CN-154/</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
008	C. Stoiber	USA	Model Elements for a National Legal Framework on Illicit Trafficking
081	A. Semmel	USA	The Role of the Global Initiative and Nuclear Smuggling Outreach Initiative in Preventing Nuclear Smuggling
	To be determined	To be determined	Global Initiative and G-8 activities

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**10:30–11:15**      **Poster Session with refreshments**

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**11:15–12:45**      **SESSION 2 (cont):  
International Instruments and  
Their Implementation – II**

	To be determined	EC	To be determined
072	V. Friederich	IAEA	Strengthening control over radioactive sources: Current status of implementation of the Code of Conduct on the Safety and Security of Radioactive Sources
012	J. Paredes Gilisman	Cuba	Cuba Commitments on Security and Nuclear Non-Proliferation: Experiences on the Struggle against the Illicit Nuclear Trafficking and Malevolent Use of Radioactive Materials
036	O. Cromboom	EC	A Multi-Country Project on Combating Illicit Trafficking of Nuclear Materials
040	V. R. Gonzalez	Paraguay	Improvement Controls of Customs Merchandise of High Risk

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**12:45–14:00**      **Lunch Break**

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**14:00–15:30**      **SESSION 3:**  
**International Initiatives and National**  
**Efforts to Establish Frameworks – I**

**Chair:**  
**Rapporteur:**

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<i>No. of Paper IAEA-CN-154/</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
082	D. Huizenga	USA	Building Alliances to Combat Nuclear Smuggling
066	V. Prostavov	Russia	Rosatom Activities to Prevent Illicit Trafficking of Nuclear and Radioactive Materials
022	I. Kuzmyak	Ukraine	Ukrainian efforts to combat illicit trafficking of nuclear and other radioactive materials
013	L. F. van Dassen	Sweden	Swedish-Russian Co-operation to Prevent and Detect Illicit Trafficking on the Kola Peninsula: A Work in Progress
060	S.Y. Mohd	Malaysia	Experience of Implementing and Improving Import/Export Controls of Nuclear and Radioactive Materials in Malaysia

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**15:30–16:00**      Coffee/Tea Break

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**16:00–17:30**      **SESSION 3 (cont):**  
**International Initiatives and National**  
**Efforts to Establish Frameworks– II**

017	J. Václav	Slovakia	Combating Illicit Trafficking in the Slovak Republic
021	I. A. Gabulov	Azerbaijan	The Role of Scientific Institutions in Combating Illicit Trafficking of Radioactive and Nuclear Materials in the Republic of Azerbaijan
045	A. Kim	Kazakhstan	Problem Of Illicit Trafficking Of Nuclear And Radioactive Materials And Ways Of Its Solution In The Republic Of Kazakhstan
083	J. Niewodniczanski	Poland	Experience of Poland in Border Monitoring
050	G. Md Solaiman	Bangladesh	Illicit Nuclear Trafficking in Asia and How to Prevent It

**17:30–18:30**      **Panel 1**  
**Lessons Learned**

**Chair:**  
**Keynote speakers and Chairs for Sessions 1, 2 and 3**

**WEDNESDAY, 21 NOVEMBER 2007**

**09:00–10:30**      **Session 4**  
**Establishing Capabilities to Detect**  
**Illicit Trafficking - I**

**Chair:** Jacob Gyang Buba, Comptroller-General  
Nigeria Customs Service

**Rapporteur:**

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<i>No. of Paper IAEA-CN-154/</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
074	W. Daitch	USA	Building an Effective Illicit Nuclear Trafficking Detection Architecture
084	A. Bamford	UK	Cyclamen: Responding to Risk at the UK Border
085	L. de Carvalho Conti	Brazil	Brazil experience with emphasis on the nuclear security activities for the Pan American Games
058	N. Kravchenko	Russian Federation	Verification of declared content in the transport of radioactive material
020	P. Fias	Belgium	Megaports Antwerp: Detection of Nuclear Smuggling

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**10:30–11:15**      **Poster Session with refreshments**

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**11:15–12:45**      **SESSION 4 (cont):**  
**Establishing Capabilities to Detect**  
**Illicit Trafficking - II**

**Chair:**

**Rapporteur:**

076	H.E. K. Al Maadheed	Qatar	Building Up Qatar's Capabilities To Counter Illicit Trafficking Of Nuclear And Radioactive Materials And A Proposal For Regional And Sub-Regional Cooperation
023	D. Kubelka	Croatia	Establishment of the Control and Exchange of Information System on Radioactively Contaminated Shipments or Shipments Containing Radioactive Sources in the Region
026	G. Racz	Hungary	Legal and Technical Background of Measures against Illicit Trafficking in Hungary
043	I. Mirsaidov	Tajikistan	Ways of Illicit Trafficking Prevention in the Border of Tajikistan with Afghanistan

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**12:45–14:00**      Lunch

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**14:00–15:30**      **PARALLEL SESSION 5:**  
**Response to the Detection of Criminal or**  
**Unauthorized Movement of Radioactive**  
**Material - I**

**Chair:**  
**Rapporteur:**

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<i>No. of Paper IAEA-CN-154/</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
035	K. Mayer	EC	Nuclear Forensics- From Specialized Analytical Measurements to a Fully Developed Discipline in Science
065	S.Aliyu	Nigeria	Response to the Detection of Criminal or Unauthorized movement of radioactive Material
062	F. Mariotte	France	French Response in Cases of Illicit Nuclear Trafficking
044	R. Arlt	IAEA	Response to a Detection Incident- the IAEA MEST Concept
037	D. K. Smith	USA	Recent Activities of the Nuclear Smuggling International Technical Working Group to Thwart Illicit Trafficking

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**15:30–16:00**      Coffee/Tea Break

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**16:30–18:00**      **SESSION 5 (cont):**  
**Response to the Detection of Criminal or**  
**Unauthorized Movement of Radioactive**  
**Material - II**

009	S. Baude	France	HEU seized in July 2001 in Paris: Analytical investigations performed on the material
055	G. Nabakhtiani	Georgia	The Problems of Illicit Trafficking in Georgia
001	W. Potter	USA	The 2003 and 2006 HEU Seizures in Georgia: New Questions, Some Answers and Possible Lessons
	Ian Dickinson	UK	Illegal radiological substances - responding to the terrorist, criminal and public safety demands in Scotland
052	E. A. Kroeger	Germany	Developing a Communication Strategy for Illegal Acts Involving Radioactive Materials - Drawing on Experience Obtained during the Po-210 Incident in Hamburg

**14:00–15:30**      **PARALLEL SESSION 6 (Sidlaw Auditorium)**  
**International Initiatives and National**  
**Efforts to Establish Frameworks– III**

**Chair:** Dr. Yoshihiro Nakagome, Japan  
**Rapporteur:**

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<i>No. of Paper IAEA-CN-154/</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
061	B. M. Momcilovic	Serbia	Preliminary Radiation Control by Customs Administration of Serbia
041	S. Bonet Duran	Argentina	Prevention and Response to Illicit Trafficking of Nuclear and Radioactive Materials: Argentine Experience
056	A. M. D. Tshiashala	Democratic Republic of Congo	Democratic Republic of Congo Experience and Prevention in Illicit Nuclear Trafficking
007	A. Cizmek	Croatia	Border Control of Nuclear and Other Radioactive Materials

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**15:30–16:00**      Coffee/Tea Break

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**16:00–18:00**      **SESSION 6 (cont.)**  
**International Initiatives and National**  
**Efforts to Establish Frameworks– III**

033	J. I. Pradas-Poveda	International Science and Technology Center	ISTC Contribution to the Global Challenge of Illicit Trafficking of Fissile Material: Unique Technical Solutions from Russia/CIS Aiming at Non-proliferation
070	P. Holahan	USA	U.S. Nuclear Regulatory Program to Minimize/Deter the Potential Threat Related to Illicit Trafficking
042	A. Satar Sarhal	Afghanistan	Afghanistan's Export/Import Mechanism
048	M. Roumie	Lebanon	Development and Strengthening of the Nuclear Security Status in Lebanon
051	Azhar Azhar	Indonesia	Radiation Control and Prevention of Nuclear and Radioactive Illicit Trafficking in Indonesia

**THURSDAY, 22 NOVEMBER 2007****09:00–10:30****Session 7  
New Technologies – I****Chair:****Rapporteur:**

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<i>No. of Paper IAEA-CN-154/</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
059	M. Voytchev	IEC	ANSI and IEC Standards for Evaluation of Radiation Instrumentation Used for the Detection of Illicit Trafficking of Radioactive Materials
039	M. Mayorov	IAEA	IAEA Coordinated Research Project Improvement of Technical Measures to Detect and Respond to Illicit Trafficking of Nuclear and Radioactive Materials
038	S. Abousahl	EC	Illicit Trafficking : Importance of Testing and Qualifying Equipment
004	V. L. Romodanov	Russian Federation	Development and Implementation of a Plastic Scintillator-Based Facility for the Count of Coincidences of Fission Particle
057	S. J. Stanley	United Kingdom	The potential use of naturally occurring cosmic ray muons for the detection of illicit nuclear material at borders and ports.

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**10:30–11:15****Poster Session with refreshments****11:15–12:45****SESSION 7 (cont):  
New Technologies - II****Chair:****Rapporteur:**

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<i>No. of Paper IAEA-CN-154/</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
025	V. Berthou	Italy	The Time-Profiling Method for the Reduction of Innocent Alarms in Radiation Portal Monitors
011	K. E. Dufts Schmid	Austria	A Single-Detector Advanced Spectrometric Portal Concept Solving the Problems of "Innocent Alarms"
034	A. K. Khusainov	Russian Federation	High Resolution, Portable Gamma Spectrometer not requiring Liquid Nitrogen Cooling for Field Use for Nuclear Security and Safeguards Applications
003	V. Kulik	Belarus	Networked solutions of radiation control of illicit trafficking in radioactive and nuclear materials through State Borders.
005	V.L . Romodanov	Russian Federation	Fissile Material Detection and Control Facility with Pulsed Neutron Sources and Digital Data Processing

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**12:45–14:00****Lunch**

**14:00-15:00**      **SESSION 8:**  
**Panel 2**  
**The Way Forward**

**Chair:**            **A. Nilsson, IAEA**  
**Rapporteurs reports**

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**15:00-15:30**      **Coffee/Tea Break**

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**15:30-16:30**      **CONCLUDING SESSION**

**President's findings**

**Closing of the Conference**

**Peter Jenkins, CMG**  
**President of the Conference**

**Tomihiko Taniguchi, IAEA**

## POSTER SESSIONS

Posters will be displayed throughout the conference.  
Poster authors are requested to be at their posters during  
the poster sessions:

Monday - 15:30 to 16:30

Tuesday – 10:30 to 11:30

Wednesday - 10:30 to 11:30

<i>No. of Paper IAEA-CN-145/</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
002/P	M. Cojbasic	Serbia	Framework for Improving National System and Capabilities in Combat Illicit Trafficking of Nuclear and Other Radioactive Material in Serbia
006P	M. da Costa	Brazil	The Threat of Illicit Trafficking
010/P	N. Bello	Nigeria	Legislative and Regulatory Framework for the Safety and Security of Radioactive Sources: Illicit Trafficking and the Nigerian Experience
014/P	R. M. Stasiunaitiene	Lithuania	Measures to Prevent Illicit Trafficking of Radioactive Sources in Lithuania
015/P	T. Schroettner	Austria	Testing and Improving the Detection Capability of Portal Monitoring Systems at Higher Transit Speeds
016/P	V. Kazhamiakin	Belarus	Multifunctional hand-held gamma radiation spectrometers and their application in various radiation monitoring tasks
018/P	S. B. Utami	Indonesia	Challenges to Prevention of the "Radiological" Threat by Regulation
024/P	F. Ylli	Albania	Illicit Trafficking of Radioactive Materials - Albanian Contribution
028/P	T. A. Wuchte	USA	Implementing UNSCR 1540: Intergovernmental Organizations – A Way Ahead Perspective
029/P	Z. Stefanka	Hungary	Application of inductively coupled plasma mass spectrometry for the characterisation of uranium oxide materials seized in Hungary
030/P	J. Zsigrai	Hungary	A simple Method for Identifying Reprocessed Uranium by Gamma Spectrometry
031/P	J. Jarmalaviciute	EC	Development of a Comprehensive Nuclear Security Related Training Programme
032/P	L. E. More Torres	Paraguay	Security in the Transport of Radioactive Material
046/P	M. Nahar	Bangladesh	Legal and Regulatory Control to Protect Nuclear Illicit Trafficking by Scrap metal in Bangladesh
047/P	M. Zagrajek	Poland	The Main Components of Polish System for Combating Illicit Trafficking

049/P	I. Khrokalo	Russia	The Role of Federal Environmental, Industrial and Nuclear Supervision Service of Russia (Rostekhnadzor) in Prevention of Illicit Trafficking and Unintentional Movement of Radioactive Substances in Russian Federation
053/P	J. T. Eisheh	Germany	Defence against Nuclear Hazards in Germany - the Federal Approach
054/P	J. Kesten	EC	Technical Methods and Strategic Measures to Counteract Threat Scenarios Involving Radioactive Materials
063/P	S. Biramontri	Thailand	National Efforts to Combat Illicit Nuclear Trafficking
064/P	T. Twomey	UK	State of the Art in High Purity Germanium Systems for Homeland Security Applications
067/P	A. Stavrov	Belarus	Strategy of Development of New Instruments to Combat Illicit Trafficking: From Applications Towards Specifications
069/P	B. Møller	Norway	Installation of Radiation Detection Portals at the Norwegian Border Crossing Station at Storskog
071/P	A. Mahboob	Pakistan	Evaluation of Pakistan's Measures to Combat Illicit Trafficking