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**Symposium on International Safeguards**  
**Preparing for Future Verification Challenges**  
 1-5 November 2010  
 Vienna, Austria

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## Latest News

The Symposium Overview has been published.

[More Photos!](#)

You can view the Symposium Photos under Multimedia tab.

The high resolution photos of all the galleries can be downloaded.

261 Papers were presented, 73 Oral Presentations, 188 Posters.

29 External Exhibitors participated in the Symposium.

Internal Exhibitors from SGTS, SGIM, SGAS, SGCP, and OLA attended the Symposium.

OPCW and CTBTO also participated.

About 700 participants.

Participants are from around 70 Member States and 20 NGOs.

There was a Poster Award for the best poster of each session!

- [Home](#)
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**Herman Nackaerts**  
DDG-SG  
IAEA

[SYMPOSIUM OVERVIEW](#)

DDG-SG discusses the IAEA Symposium on International Safeguards, the topics on the agenda and possible outcomes »



The Symposium Streams

## Post-symposium Message from DDG-SG

Dear friends and colleagues,

The Safeguards Symposium 2010 was a tremendous success. And I am personally delighted with the outcome.

When we placed an international call for papers earlier this year, we never expected that we would be presenting around 220 of them at the Symposium. Participants originated from 70 Member States, as well as from 16 non-governmental organisations. We particularly want to continue to encourage developing countries to attend and contribute: the call for papers was to **all** States, and no submitted abstracts have been, or will be, rejected.

A wealth of information and analysis arising from deliberations at the Symposium is now available on the Symposium website.

To remind you - the purpose of the symposium was to foster dialogue and information exchange involving Member States, the nuclear industry and members of the broader nuclear non-proliferation community, so as to prepare for future verification challenges. Clearly, a range of different ideas were expressed, from across the spectrum of opinion. And that is a good thing: even if not **all** views expressed are endorsed by the Agency. This was a technical symposium but - as is the nature of such an event - some presenters have occasionally strayed into the political domain. Again, the Agency does not associate itself with any such remarks.

Having listened to the debates myself, and having heard feedback from the sessions I could not attend, I know we have achieved our objectives.

In my opening statement on Monday I said that with your help we could overcome the challenges ahead, and move forward as a **modern, effective and efficient** organisation serving global security. Following this symposium, I am pleased to say my conviction has strengthened.

Organizing **any** large meeting is hard work, but a meeting with so many sessions and such a variety of sessions is a **considerable** challenge. In that regard, I would like to express my gratitude to those Agency staff responsible for organizing the symposium the scientific secretary, Malcolm Nicholas, and his team. Thank you also to session chairs, panel members, secretaries: to all of you who presented here this week - as well to those working behind the scenes. I'm sure you will join me in congratulating all of them.

Thank you to our co-organisers INMM and ESARDA. And to our sponsors who provided important financial support that enabled this event to proceed.

My gratitude also to all of those who attended, who participated in the event with such enthusiasm and commitment: for the expertise that you brought to bear on the challenges we face, and the ideas and proposals that you have aired. We now need to digest what we have consumed!

Let me end by saying that I hope to see you in 2014, for what will be the twelfth safeguards symposium.

Archive can be watched on the IAEA Intranet until April 2011. For address, please click on this image below, and scroll down to [Other Conferences »](#)



Thank you all.



Location	Afternoon	Time
Gate 1	<a href="#">Registration and Distribution of Symposium Material</a>	16:00-18:00
Rotunda	<a href="#">Welcome Reception</a>	16:30-18:00



Location	Morning	Afternoon
<b>Building M</b>	<p><b>08:00</b> Registration and Distribution of Symposium Material</p>	
	<p><b>09:30-12:30</b> <a href="#">Opening Planery Session 1</a></p> <p><b>Session Chair:</b> H. Nackaerts (IAEA) <b>Technical Secretary:</b> E. Gyane (IAEA)</p> <p><b>Speakers - Opening Presentations and Statements:</b></p> <p>D. Waller (IAEA)</p> <p><a href="#">Opening Presentation</a></p>	<p><b>14:30-18:00</b> <a href="#">Technical Planery Session 2</a></p> <p><b>Session Chair and Panel Moderator:</b> L. Vinhas (Brazil) <b>Technical Secretary:</b> I. Tsvetkov (IAEA)</p> <p><b>Presentation and Opening Statements:</b></p> <p><a href="#">Department of Safeguards Long-term Strategic Plan 2012-2023</a> J. Cooley (IAEA)</p> <p><b>Panel Discussion:</b> Department of Safeguards Long-term Strategic Plan</p> <p><b>Panel Members:</b> J. Baute (IAEA) J. Cooley (IAEA) M. Marzo (IAEA) N. Muroya (IAEA) G. Voigt (IAEA) N. Whiting (IAEA) S. Zykov (IAEA)</p> <p><b>Floor Discussion With the Panel Members:</b> <a href="#">Moving Towards a Safeguards System That is Fully Information Driven</a></p>
<b>Boardroom A</b> <b>plus</b> <b>Room M1 via CCTV</b> <b>and</b> <b>Live Streaming to the www</b>	<p>Preparing for Future Verification Challenges</p> <p>H. Nackaerts (IAEA)</p> <p><a href="#">Opening Statement</a></p> <p>S. Vance (INMM)</p> <p><a href="#">Opening Statement</a></p> <p>E. Martikka (ESARDA)</p> <p><a href="#">Opening Statement</a></p> <p><a href="#">Change and Verify</a></p>	

**11:00-12:30  
Presentation:**

[Nuclear Non-proliferation and Disarmament: Where next?](#)

G. Evans (Australia)

Other Events

**10:30  
Pressroom  
Press Conference**

**12:30  
Rotunda  
Opening Ceremony for the Exhibition**



**Location**

**Morning**

**Afternoon**

**09:30-13:00**  
Strategic Safeguards Priorities and Activities  
**Session 3**

**Chairperson:** J. Casterton, Canada

**Technical Secretary:** J. Rissanen, IAEA

**Title of Paper/Presenter:**

**Boardroom A**

- [Methodology for Long-range Strategic Planning in the Department of Safeguards](#) [E. Pujol, IAEA];
- Member States' Views on the Agency's Future - Perceptions From the Informal Open Ended Process to Discuss the Future of the Agency [A. Guerreiro, Brazil];
- [Key Nuclear Verification Priorities - Safeguards and Beyond](#) [J. Carlson, Australia];
- [Next Generation Safeguards Initiative: 2010 and Beyond](#) [M. Whitney, USA];
- Safeguards for XXI Century: Regional Approach [G. Gonzales, Chile];
- [The Evolution of Information Driven Safeguards](#) [K. Budlong-Sylvester, USA].

**09:30-13:00**  
Nuclear Material and Environmental Sample Analysis:  
New Horizons  
**Session 4**

**Chairpersons:** D. Swindle, USA;  
S. Baude, France

**Technical Secretary:** R. Lafolie, IAEA

**Room M1**

**Title of Paper/Presenter:**

- [Destructive Nuclear Material Analysis for Safeguards: Importance and Future Trends](#) [S. Balsley, IAEA];
- [The IAEA's New Nuclear Material Laboratory](#) [C. Schmitzer, IAEA];
- [Environmental Sample Analysis - Advances and Future Trends](#) [D. Donohue, IAEA];

**14:30-18:00**  
Addressing Safeguards Challenges in a Changing and Trans-national World  
**Session 10**

**Chairperson:** S.A. Vorobiev, Russian Federation

**Technical Secretary:** A. El Gebaly, IAEA

**Title of Paper/Presenter:**

- [Innovation in Safeguards Research and Development, and European Union Contribution to Strengthening the Global Safeguards System](#) [W. Janssens, EU];
- [Safeguards and Nuclear Security - Synergies, Bridges and Differences](#) [A. Nilsson, IAEA];
- Chemical, Biological, Radiological and Nuclear Risk Mitigation: The Importance of the Regional Approach [F. Marelli, UNICRI];
- Fallout From the Khan Network and the Clash of National Interests [C. Collins; D. Frantz, USA];
- [Collecting Safeguards Relevant Trade Information: The IAEA Procurement Outreach Programme](#) [P. Schot, IAEA];
- [Industry Contribution to Thwart Illicit Nuclear Trade](#) [R. Wirtz, Germany].

**14:30-18:00**  
Emerging and Future Technologies for Detecting Undeclared Activities and Material  
**Session 11**

**Chairperson:** R. Schenkel, EU

**Technical Secretary:** A. Monteith, IAEA

**Title of Paper/Presenter:**

- [Future Technologies and Challenges for IAEA safeguards](#) [J. Whichello, IAEA];
- [An Overview of Emerging Safeguards Technologies - A U.S. Perspective](#) [S. LaMontagne, USA];
- [Results From the 2010 INMM International Containment and Surveillance Workshop Focused on Concepts for the 21st Century](#) [C. Pickett, USA];
- [In-line Determination of Uranium, Plutonium and Acidity](#)

- [The Evolution of Environmental Sampling for Safeguards](#) [D. Fischer, IAEA];
- Uncertainty in Measurement of Isotope Ratios by Multi-collector Mass Spectrometry [R. Williams, USA];
- [Recent Improvements of Actinides Trace Analysis in Environmental Samples for Nuclear Activities Detection](#) [F. Pointurier, France].
- [in Spent Fuel Reprocessing for Process Monitoring on Advanced Nuclear Material Verification](#) [T. Kuno, Japan];
- [Remote Safeguards and Monitoring of Reactors With Antineutrinos](#) [D. Reyna, USA];
- [Nuclear Safeguards Research and Development and Innovation at the Joint Research Centre](#) [S. Abousahl, EU].

**16:30-18:00****State Experiences/Views on Implementation of Integrated Safeguards  
Session 13****Technical Secretary:**

N. Wilson (IAEA)

**Forum moderator:**

E. Martikka (Finland)

[State Experience/Views on Implementation of Integrated Safeguards](#)[Number of Inspections and Other Field Activities](#)[IS in Finland](#)**Forum members:**

C. Everton (Australia)

M. Kikuchi (Japan)

[Japan's Experience and Views on Implementation of IS](#)

K.-S. Min (Republic of Korea)

[Korea's Experience on the Integrated Safeguards Implementation](#)

K. Owen (Canada)

Forums

Pressroom

**09:30-11:00****[Life of an Inspector in the Field](#)** R. Wallace  
**Session 5****Technical Secretary:**

R. Herson (IAEA)

**Panel moderator:**

M. Aparo (IAEA)

**Panel members:**

S. de Almeida (ABACC)

S. Yatsu (Japan)

M. Guzman (IAEA)

A. Habjouqa (IAEA)

M. Lieskovsky (IAEA)

J. Russell (IAEA)

Panels

Pressroom

**11:30-13:00****[Life of an Inspector and Analyst in Headquarters](#)** R. Wallace  
**Session 6****Technical Secretary:**

C. Eldridge (IAEA)

**Panel moderator:**

R. Wallace (USA)

**Panel members:**

V. Braguine (IAEA)

M. Derrough (IAEA)

E. Gyane (IAEA)

M. Pellechi (IAEA)

A. Rialhe (IAEA)

K. Steinmaus (IAEA)

I. Tsvetkov (IAEA)

**14:30-16:00****The Network of Analytical Laboratories - Expansion and Reform  
Session 12****Technical Secretary:**

A. Hamilton (IAEA)

[Current Status](#)**Panel moderator:**

F. Goutelard (France)

[The NWAL: Experience and Reform](#)**Panel members:**

M. Godoy (Brazil)

[NWAL Qualification Process: The IRD Experience and Reform](#)

M. Magara (Japan)

J. Neuhoff (USA)

[Network of Analytical Laboratories: Expansion and Reform](#)

Y. Panteleev (Russian Federation)

[Laboratory for Analytical Radiochemistry](#)

S. Balsey (IAEA)

R. Zarucki (IAEA)

**13:00-16:30**  
**Safeguards Implementation - State Experiences**  
**Session 7**

Poster  
 Displays

**Building A,  
 M-Wing**

**Number of Paper:**  
 [008; 012; 014; 053; 054; 072; 075; 076; 077; 084; 090; 253; 254; 257; 264; 272; 273; 286; 292; 304; 334]

**The Best Poster Winner:** Desire Belemsaga from Burkina Faso.  
 "Burkina Faso Experience in Establishing and Maintaining an SSAC"

**13:00-16:30**  
**Safeguards Capability Development**  
**Session 8**

**Building A,  
 M-Wing**

**Number of Paper:**  
 [003; 052; 087; 101; 111; 112; 234; 288; 289]

**The Best Poster Winner:** Naohito Kimura from Japan.  
 "Integrated Support Center for Nuclear Non-Proliferation and Security for Asia"

**13:00-16:30**  
**Indicators, Forensics and Environmental Sampling**  
**Session 9**

**Building A,  
 C-Wing**

**Number of Paper:**  
 [013; 016; 017; 025; 032; 034; 036; 037; 039; 082; 083; 134; 177; 188; 193; 242; 256; 259; 261; 310; 339]

**The Best Poster Winner:** Sakari Ihantola from Finland  
 "Screening Samples with a Position-Sensitive Detection System providing Isotope-Specific Information"

Other Events

Rotunda

**11:00-11:30**  
**Hosted Coffee Break**

**18:00-20:00**

M-Building  
 Ground Floor



Joint IAEA/INMM Cocktail Reception for Symposium Participants and Entertainment With the "Ten Years Earlier" Band.



**Location**

**Morning**

**Afternoon**

**09:30-13:00**  
**Furthering IAEA-State Safeguards Cooperation**  
**Session 14**

**Chairperson:** M. Ennami, Libyan Arab Jamahiriya

**Technical Secretary:** P. Moitta, IAEA

**Title of Paper/Presenter:**

- [The Further Evolution of IAEA-SSAC Cooperation: SAGSI's Considerations](#) [J. Casterton, Canada];
- [Defining a "Model SSAC" - A Technique for Evaluating SSACs and Designing Beneficial Engagement](#) [A. Sunshine, USA];
- [Steps of Ukrainian SSAC to Integrated Safeguards](#) [S. Lopatin, Ukraine];
- [SSAC at Your Service: Promoting Cooperation Between IAEA and Finnish SSAC for Safeguards Implementation \(Within EU\)](#) [M. Hämäläinen, Finland];
- [Enhanced Cooperation Between SSAC and IAEA Through Joint Operation of on Site Laboratory for Safeguarding Rokkasho Reprocessing Plant \(RRP\)](#) [T. Itoh, Japan];
- [The European Commission Cooperative Support Programme: Activities and Achievements](#) [J. Goncalves, EU].

Boardroom A

**14:30-16:00**  
**Enhancing the Organizational Culture to Prepare for Future Missions**  
**Session 21**

**Chairperson:** R. Howsley, WINS

**Technical Secretary:** R. McCullough, IAEA

**Title of Paper/Presenter:**

- [Organizational Culture: Begin With the Right Message](#) [R. Clark, United Arab Emirates];
- [Achieving Organizational Change: The Important of Organizational Culture](#) [K. Desson, Canada];
- ["An evolution in Organizational Culture" What Does That Mean for Safeguards?](#) [J. Patten, IAEA].

**16:30-18:00**  
**Application of Forensic Techniques to Safeguards**  
**Session 24**

**Chairperson:** A. Pidduck, United Kingdom

**Technical Secretary:** D. Donohue, IAEA

**Title of Paper/Name:**

- [Chasing Rainbows: Establishing the History of Nuclear Material by Decrypting Information Inherent to the Material](#) [K. Mayer, EU];
- [Trace Elements in Uranium Refining and Conversion](#) [G. Healey, Canada];
- [Investigating Chemical and Molecular Changes in UO<sub>2</sub>F<sub>2</sub> Particles Using NanoSIMS and Micro-Raman Spectroscopy](#) [R. Kips, USA].

**09:30-13:00**  
**All Sources Information Analysis for Detecting Undeclared Activities and Material**  
**Session 15**

**Chairperson:** M. Burgess, Australia

**Technical Secretary:** C. Eldridge, IAEA

**Title of Paper/Presenter:**

- [Collaborative Analysis for Information Driven Safeguards](#) [M. Maybury, USA];
- [All-source Information Acquisition and Analysis in the IAEA Department of Safeguards](#) [M. Ferguson, IAEA];
- [The Importance of Correctness: The Role of Nuclear Material Accountancy and Analysis in the State Evaluation Process](#) [C. Norman IAEA];

Room M1

**14:30-18:00**  
**Advanced Safeguards Approaches for Existing Fuel Cycle Facilities**  
**Session 22**

**Chairperson:** M. Kikuchi, Japan

**Technical Secretary:** F. Maluta, IAEA

**Title of Paper/Presenter:**

- [URENCO Conference on Gas Centrifuge Enrichment Plant Safeguards, Held in December 2009 - Modern Safeguards Approaches for Enrichment Facilities](#) [P. Friend, URENCO Limited];
- [ABACC's Experience in Implementing Short Notice Random Inspections \(SNRI\) Regime at Fuel Fabrication Plants in Brazil and Argentina](#) [S. de Almeida, ABACC];

- [Methods for Improving IAEA Information Analysis by Reducing Cognitive Biases](#) [M. Cottee; C. Hobbs, United Kingdom];
- [Advances in Radar Remote Sensing and Its Application to Safeguards](#) [P. Loreaux, France];
- [From Data to Knowledge - Promising Analytical Tools and Techniques \(for Capture and Reuse of Corporate Knowledge and to Aid in the State Evaluation Process\)](#) [G. Danielson, USA].
- [Experience of Integrated Safeguards Approach for Large-scale Hot Cell Laboratory](#) [N. Miyaji, Japan];
- [Quantification of Fissile Materials by Photon Activation Method in a Highly Shielded Enclosure](#) [P. Dighe, India];
- [Broader Use of Statistical Techniques in the Design of Advanced Safeguards Approaches](#) [D. Odulaja, IAEA];
- [Laser-based Monitoring of UF<sub>6</sub> Cylinders](#) [S. Poirier, EU].

**14:30-16:00**

Best Practices for Establishing, Maintaining and Improving the Effectiveness of an SSAC

**Session 23****Technical Secretary:**

R. Stevens (IAEA)

**Forum moderator:**

A. Vincze (Hungary)

**Forum members:**

D. Belemsaga (Burkina Faso)  
 U. Mirsaidov (Tajikistan)  
 M. Solichah (Indonesia)  
 J. Vaclav (Slovak Republic)  
 R. Zarate (Chile)

**16:30-18:00**

Furthering Effectiveness and Efficiency Through Enhanced IAEA-state Cooperation

**Session 25****Technical Secretary:**

S. Munoz (IAEA)

**Forum moderator:**

S. Fernandez (Argentina)

**Forum members:**

M. Rasweswe (South Africa)  
[Furthering Effectiveness and Efficiency Through Enhanced IAEA-State Cooperation - Working Towards Joint Inspection Capability](#)

M. Solichah (Indonesia)

S. Tsalas (EU)

O. Peixoto (ABACC)

[IAEA and R/SSAC Cooperation](#)

Forums

Pressroom

**09:30-11:00**

Challenges Relating to the Implementation of Technologies for Detecting Undeclared Materials and Activities

**Session 16****Technical Secretary:**

A. Monteith (IAEA)

**Panel moderator:**

K. Mayer (EU)

**Panel members:**

V. Bychkov (Russian Federation)

[Challenges to Detect Undeclared Materials and Activities](#)



H. Toivonen (Finland)  
[Borrowing the Nuclear Security Concept of Remote Expert Support for Safeguards Applications](#)

N. Wogman (USA)  
[History of STR 321 - IAEA Use of Wide Area Environmental Sampling in the Detection of Undeclared Nuclear Activities \(1996-1998 Multi-country Effort\)](#)

L. Rockwood (IAEA)  
[New Technologies for Detecting Undeclared Materials and Activities - A Legal Perspective](#)

S. Zykov (IAEA)

#### Panels

#### Pressroom

**11:30-13:00**  
[Building Support for the Safeguards Mission Session 17](#)

**Technical Secretary:**

S. Pullinger (IAEA)

**Panel moderator:**

J. Carlson (Australia)

**Panel members:**

S. Fernandez (Argentina)

H. Sokolski (USA)

J. Lodding (OPCW)

L. Szerbo (CTBTO)

T. Rauf (IAEA)

#### Poster Displays

#### Building A, M-Wing

**13:00-16:30**  
[Information Driven Safeguards Session 18](#)

**Number of Paper:**

[035; 041; 043; 092; 220; 223; 224; 231; 233; 245; 248; 266; 268; 296; 301; 313; 323; 349]

**The Best Poster Winner:** Eva Gyane from IAEA.  
 "Information Driven Safeguards - A Country Officer's Perspective"

**13:00-16:30**  
[Safeguards by Design Session 19](#)

#### Building A, M-Wing

**Number of Paper:**

[065; 066; 068; 069; 089; 104; 164; 207; 219; 282; 308; 322]

**The Best Poster Winner:** Tom Ellacott from Canada.  
 "Safeguards by Design - the Canadian Experience"

**13:00-16:30**  
[Safeguards Concepts and Approaches Session 20](#)

**Number of Paper:**

[015; 026; 030; 042; 056; 078; 086; 093; 116; 125; 126; 131; 182; 184; 225; 249; 250; 262; 269; 275; 297; 298; 318; 324]

**Building A,  
C-Wing**

**The Best Poster Winner:** Christopher Orton from USA.  
"Enrichment Assay methods for a UF6 Cylinder Verification Station"

## Other Events

**Rotunda**

**11:00-11:30**  
Hosted Coffee Break

## VIC Restaurant

**18:30-20:00**  
INENS wishes to invite all participants of the Symposium to the Launch reception

**19:00**  
INMM Members-only dinner

**Unibrau**

Please read details below:  
[INMM Dinner Details](#)  
[Unibrau Web Site](#)

**Location****Morning****Afternoon**

**09:30-13:00**  
Developing Safeguards Resources  
**Session 26**

**Chairperson:** D. Dickman, USA

**Technical Secretary:** R. Barnes, IAEA

**Title of Paper/Presenter:**

**14:30-18:00**  
Potential New Verification Roles in Support of Arms  
Control and Disarmament  
**Session 33**

**Chairperson:** K. Murakami, Japan

**Technical Secretary:** J. Rissanen, IAEA

**Title of Paper/Presenter:**

**Boardroom A**

- [Developing Safeguards Resources](#) [J. Crete, IAEA];
- [Support Plan to Establish Safeguards Infrastructure in Newcomer Countries and Challenges of ROK](#) [J. Park, Republic of Korea];
- [A Proposal for More Effective Training in Countries Developing Nuclear Power](#) [A. Abdel-Halim, USA];
- [Next Generation Safeguards Initiative \(NGSI\): Human Capital Development Program](#) [D. Lockwood, USA];
- [Strategy for Nuclear Technology Education at Uppsala University](#) [M. Osterlund, Sweden];
- [Investigating Safety, Safeguards and Security \(3S\) Synergies to Support Infrastructure Development and](#)
- [Nexus of Technologies: International Safeguards, Physical Protection and Arms Control](#) [D. Blair, USA];
- [The Role of IAEA in Multilateral Nuclear Disarmament Verification](#) [O. Reistad, Norway];
- [Verification of Chemical Weapons Destruction](#) [J. Lodding, OPCW];
- [Verified Warhead Dismantlement: Past Present Future](#) [A. Persbo, VERTIC];
- [The Role of the IAEA in a World Reducing Stocks of Nuclear Weapons](#) [T. Shea, Nuclear Threat Initiative].

[Risk-Informed Methodologies for 3S by Design](#) [M. Suzuki, Japan].

**09:30-13:00**  
Remote Safeguards Inspections  
**Session 27**

**Chairperson:** M. Boella, EU

**Technical Secretary:** T. Jeffrey, IAEA

**Title of Paper/Presenter:**

- Room M1**
- [Remote Safeguards Inspections: Concept and Practicalities](#) [I. Tsvetkov, IAEA];
  - [Information-Driven Inspections](#) [M. Whitaker, USA];
  - [Gas Centrifuge Enrichment Plants Inspection Frequency and Remote Monitoring Issues for Advanced Safeguards Implementations](#) [B. Boyer, USA];
  - [The Safeguards Activities for LWRs With MOX in Japan - Remote Data-driven Safeguards](#) [S. Yatsu, Japan];
  - [Data Acquisition Systems in Large Nuclear Facilities - Challenges, Experiences, Solutions](#) [P. Schwalbach, EU];
  - [Developments in Implementation of Remote Data Transmission](#) [K. Schoop, EU].

**14:30-18:00**  
Safeguards by Design - Safeguards for Advanced and Proliferation Resistant Nuclear Fuel Cycle Facilities  
**Session 34**

**Chairperson:** C. Jorant, France

**Technical Secretary:** S. Shawky, IAEA

**Title of Paper/Presenter:**

- [The Role of the Industry in Safeguards By Design](#) [M. Stein, USA];
- [Safeguards-by-Design Experiences from New Nuclear Installations](#) [O. Okko, Finland];
- [Development of IAEA High Level Guidelines for Designers and Operators: Safeguards-By-Design](#) [F. Sevini, EU];
- [Status and Prospect of Safeguards By Design for Pyroprocessing Facility](#) [H. Kim, Republic of Korea];
- [Consideration of Safeguards Requirements During the Design of the URENCO Tails Management Facility](#) [A. Roach, United Kingdom];
- [Application of Safeguards-by-Design to a Reactor Design Process](#) [J. Whitlock, Canada].

**14:30-16:00**  
Identifying the Right Skills and Expertise for the Challenges of the 21st Century - Where to Find Them? How to Retain Them?  
**Session 35**

[Posters - Talent Management: The Right Person, In The Right Place, At The Right Time](#)

**Technical Secretary:**

M. Akrawy (IAEA)

**Forum moderator:**

C. Monzel (IAEA)

**Forum members:**

M. Boella (EU)

P. Goldschmidt (Carnegie Endowment)

D. Goethel (Formerly IAEA/UN)

[People Are Our Most Important Asset. Knowledge Is Their Most Important Tool.](#)

M. Morichi (BUNM-AREVA)

[Identifying the Right Skills & Expertise for the Challenges of the 21st Century](#)

S. Fernandez Moreno (Nuclear Regulatory Authority, Argentina)

[Identifying the Right Skills & Expertise for the Challenges of the 21st Century. How to Find them? How to Retain them?](#)

D. Lockwood (US DOE, NGS)

[Identifying the Right Skills & Expertise for the Challenges of](#)

Forums

Pressroom

[the 21st Century, How to Find them? How to Retain them?](#)

[Identifying the Right Skills & Expertise for the Challenges of the 21st Century, How to Find them? How to Retain them?](#)  
(short version)

**16:30-18:00**  
**Changing Organizational Culture**  
**Session 36**

**Technical Secretary:**  
R. McCullough (IAEA)

**Forum moderator:**  
J. Patten (IAEA)

**Forum members:**  
R. Clark (United Arab Emirates)  
K. Desson (Canada)  
R. Howsley (World Institute for Nuclear Security)

**09:30-11:00**  
**Challenges Using Advanced Information Technologies for Collection and Evaluation**  
**Session 28**

[Networks Analysis](#)

**Technical Secretary:**  
Z. Gastelum (IAEA)

**Panel moderator:**  
M. Maybury (USA)  
[Information Driven Safeguards: A View From the Outside](#)

[Challenges Using Advanced Information Technologies for Collection and Evaluation](#)

**Panel members:**  
M. Björe (Sweden)

Panels

Pressroom

P. Laforce (EU)  
[Today's Challenges in Handling Massive Amounts of Information and Detecting 'Unknown' but Relevant Information](#)

[Today's Challenges in Handling Massive Amounts of Information and Detecting 'Unknown' but Relevant Information](#) (short version)

K. Michel (USA)

N. Sampson (France)

**11:30-13:00**  
**Sharing Implementation Experience and Good Practices With Other Verification Organizations**  
**Session 29**

**Technical Secretary:**

A. Petoe (IAEA)

**Panel moderator:**

T. Rauf (IAEA)

**Panel members:**

J. du Preez (CTBTO)

J. Lodding (OPCW)

T. Renis (IAEA)

Poster Displays

**Building A,  
C-Wing**

**13:00-16:30**  
**Measurements**  
**Session 30**

**Number of Paper:**

[009; 022; 023; 031; 045; 046; 047; 059; 061; 088; 128; 130; 132; 137; 169; 174; 178; 181; 192; 194; 251; 252; 255; 285; 316; 338]

**The Best Poster Winner:** Nicole Erdmann from the European Commission.  
"COMPUCEA - 2nd Generation Performance Evaluation"

**Building A,  
M-Wing**

**13:00-16:30**  
**Monitoring Techniques for Safeguards**  
**Session 31**

**Number of Paper:**

[007; 027; 057; 063; 074; 115; 119; 241; 244; 246; 258; 265; 319; 325]

**The Best Poster Winner:** Peter Schwalbach from the European Commission.  
"On Site Laboratories of Euratom - Ten Years of Excellent Results and Time to Renew"

**Building A,  
M-Wing**

**13:00-16:30**  
**Advancements in Containment and Surveillance**  
**Session 32**

**Number of Paper:**

[118; 124; 140; 141; 143; 175; 187; 209; 228; 229; 260; 271; 281; 302]

**The Best Poster Winner:** Faranak Nekoogar from USA.  
"Ultra Wideband Radio Frequency Identification for Safeguards Applications"

Other Events

**VIC Restaurant**

**13:00-14:30**  
**INMM members and non-members are welcome.**

For details, please click here »» [INMM Luncheon, Vienna Chapter](#)

Rotunda **11:00-11:30**  
**Hosted Coffee Break**



Location	Morning	Afternoon
	<b>10:00-12:00</b> Closing Planery Poster Awards [J. Cooley, IAEA] <a href="#">Session 37</a>  <b>Session Chair:</b> H. Nackaerts, IAEA	-
<b>Boardroom A</b>  plus  <b>Room M1 via CCTV</b>  and  <b>Live Streaming to the www</b>	<b>Technical Secretary:</b> C. Mathews, IAEA  <b>Speaker - Closing Statement and Presentations:</b>  J. Cooley (IAEA) - Best poster awards  J. Carlson (Australia) - <a href="#">Symposium highlights</a>  M. Maybury (USA) - <a href="#">Information Technology and Safeguards</a>  H. Nackaerts(IAEA) - Closing Statement	-

### **Best Poster Awards**

Awards Presenter: J. Cooley, IAEA

- **[Session 7:](#)**  
 Safeguards Implementation - State Experiences, our winner comes from Burkina Faso, and is the head of their Radiation Protection division in the Ministry of Environment.  
**Desire Belemsaga** - "Burkina Faso Experience in Establishing and Maintaining an SSAC".
- **[Session 8:](#)**  
 Safeguards Capability Development - our winner comes from Japan, in the Nuclear Safety Division of the Science and Technology Policy Bureau within MEXT.  
**Naohito Kimura** - "Integrated Support Center for Nuclear Non-Proliferation and Security for Asia".
- **[Session 9:](#)**  
 Indicators, Forensics and Environmental Sampling, our winner is from Finland, working in the Radiation and Nuclear Safety Authority (STUK).  
**Sakari Ihantola** - "Screening Samples with a Position-Sensitive Detection System providing Isotope-Specific Information".
- **[Session 18:](#)**  
 Information Driven Safeguards, our winner comes from the Agency, currently working in Safeguards Concepts and Planning after several years in Operations.  
**Eva Gyane** - "Information Driven Safeguards - A Country Officer's Perspective".
- **[Session 19:](#)**  
 Safeguards by Design - our winning presenter comes from Canada, working in the Security and Safeguards Directorate within the Canadian Nuclear Safety Commission.  
**Tom Ellacott** - "Safeguards by Design - the Canadian Experience".
- **[Session 20:](#)**  
 Safeguards Concepts and Approaches, our winner comes from the United States, working in the National Security Directorate at the Pacific Northwest National Laboratory.  
**Christopher Orton** - "Enrichment Assay methods for a UF6 Cylinder Verification Station".
- **[Session 30:](#)**  
 Measurements, our winner is from the Joint Research Centre of the European Commission  
**Nicole Erdmann** - "COMPUCEA - 2nd Generation Performance Evaluation".

- **[Session 31:](#)**  
Monitoring Techniques for Safeguards, our winner comes from the European Commission, Directorate General for Energy  
**Peter Schwalbach** - "On Site Laboratories of Euratom - Ten Years of Excellent Results and Time to Renew".
- **[Session 32:](#)**  
Advancements in Containment and Surveillance, our winner is from the United States, working at Lawrence Livermore National Laboratory  
**Faranak Nekoogar** - "Ultra Wideband Radio Frequency Identification for Safeguards Applications".

Responsible/Contact: [Division of Concepts and Planning](#) | Last update: Feb 8, 2011 12:07:46 PM

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#### [Session 37](#)

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Vienna International Centre, PO Box 100

A-1400 Vienna, Austria

Telephone: (+431) 2600-0, Facsimile (+431) 2600-7

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