Makoto Hirose
Chair of the PATRAM2016 Executive Committee
PATRAM2016

Date: 18 – 23 September, 2016
Venue: Kobe Portopia Hotel, Kobe, Japan

Hosted by Japan Society of Mechanical Engineers and Atomic Energy Society of Japan

Under the auspices of:
- Nuclear Regulation Authority
- Ministry of Land, Infrastructure, Transport and Tourism
- Agency for Natural Resources and Energy

In cooperation with:
- International Atomic Energy Agency
- Institute of Nuclear Materials Management
- World Nuclear Transport Institute
Venue of PATRAM2016

KOBE PORTOPIA HOTEL

Plenary Session

Exhibition Hall

Presentation Room
Participants and Presentations

- 25 States + IOs
- Participants: approx. 600
- Presentations: approx. 290
Program Outline

- Plenary Sessions (Opening, Daily)
- Concurrent Technical Sessions (52)
- Poster Session (1)
- Panel Discussions (2)
- Exhibition
- Technical Tour
- Social Events (Reception, Banquet)
- Companions’ Program (Hospitality Room, Optional Tours)
### Final Program 18–23 September

**PATRAM2016 Program**

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### Registration
- 07:30 - 10:00: Registration
- 11:30 - 12:40: Registration for Exhibitors
- 14:00 - 15:40: Registration for Delegates and Exhibition Setting

### Coffee Breaks
- 10:00
- 11:00
- 13:00
- 14:00

### Technical Tour
- 13:00 - 18:00
  - E-Defense (National Research Institute for Earth Science and Disaster Resilience)
  - Earthquake Museum (Disaster Reduction and Human Renovation Institution)

### Symposium Banquet
- 19:00 - 22:00
Area of Topics

- Package Design (including Materials and Testing)
- Analysis (including Structural, Thermal, Shielding, Criticality, and Risk Assessment)
- Transport Operations (including Tracking, Routing, Emergency Preparedness, Radiation Protection, Denial of Shipments)
- Regulatory & Institutional Issues (including Regulations, Codes and Standards, Communications, Liability, Security)
- Transport, Storage and Disposal Interactions Issues (including Ageing Management)
- Content Specific Challenges (including Spent Fuel, Radio Pharmaceuticals, Large Items, UF$_6$, NORM, Waste, Fissile Material, Orphan Sources, Manufactured items)
Opening Plenary Presentations

- IAEA Capacity Building Activities to Develop Transport Safety Infrastructures in Member States (IAEA)
- Transportation of Removed Soils and Wastes Generated by Decontamination Activities, That Contain Radioactive Materials Released by the Accident at TEPCO’s Fukushima Daiichi Nuclear Power Station (MOE/Japan)
- Nuclear Transport in a Changing World (WNTI)
- A Journey in the MOX Transport from Europe to Japan (INS/UK, KEPCO/Japan, TNI/France)
- Developing Regulations in the New Millennium (DOT/USA)
- A Legacy of Safe Storage and Transport of Used Fuel in Japan - 40Years of Lesson Learned (KSL/Japan)
Daily Plenary Presentations and Panel Discussions

- Streamlining Characterization of Spent Nuclear Fuel and Related Systems (ORNL/USA)
- Extraction of New Lessons Learned from the Great East Japan Earthquake 2011 with Resilience Engineering Methodology (NFT/Japan)
- Cyber Security in Transport (INS/UK)
- Safety Measures in Maritime Transport after the Great East Japan Earthquake (MLIT/Japan)
- Spent Fuel Management at Fukushima Daiichi Nuclear Power Plant (TEPCO/Japan)

Panel Discussions
- Delay and Denial of Shipment
- A Worldwide Perspective on Regulatory Views for Type B Radioactive Material Packaging
Concurrent Technical Sessions

- Package Design: 10
  - Design: 7, Testing: 2, Material: 2
- Analysis: 10
  - Structural: 5, Criticality: 2
- Regulatory Issues: 10
  - IAEA Reg. related: 4
- T/S/D Interaction: 7
  - Ageing Management: 3
- Transport Operation: 6
  - Consignment Specific, Modal
- Others: 9
  - Lessons Learned, Management System, Security ...
Who Presented in PATRAM2016

Sector-wise
- Authority, 52
- Transport Operator, 51
- France, 45
- UK, 33
- Japan, 51
- USA, 72
- Russia, 6
- Sweden, 7
- Korea, 7
- Austria, 7
- Canada, 9
- Others, 23

Country-wise
- Material, 5
- Univ, 4
- Others, 9
- IO, 16
- Supplier, 43
- TSO, 81
- Facility Operator, 25
- Research, 7

IAEA TRANSSC33 / 15-18 November 2016
IAEA Activities Related Topics

- Regulatory and Institutional Regional Issues
  - Regional Networks, Regional Capacity Building
- IAEA/TSU and Member States Activities
  - Technical Basis Document, New Structure of Regulations
  - Experience in Implementation of IAEA Regulations
- Current Revision of IAEA Transport Regulations
  - LSA-III, Large Objects, Freight Container, Acceleration
  - Dual Purpose Cask (DPC)
    - Ageing Management and Gap Analysis (3 sessions)
    - Storage, Transport and Disposal Interactions (3 sessions)
  - Basic Radionuclide Values (A1/A2)
- Emergency Preparedness and Response
- Transport Security
Exhibition, Poster & Banquet
Aoki and Young Awards

Aoki Awards

- Distinguished Poster Paper Presentations:
  Ulf Stahmer (Nuclear Waste Management Organization, Canada)
  Steven Ross (Pacific Northwest National Laboratory, USA)
  Toshiari Saegusa (Central Research Institute of Electric Power Industry, Japan)

- Distinguished Oral Presentations:
  Yang Sui (Nuclear Waste Management Organization, Canada)
  Anna Wikmark (Swedish Nuclear Fuel and Waste Management Co., Sweden)
  Steven J. Maheras (Pacific Northwest National Laboratory, USA)

- Long-Term Contribution:
  Frank Nitsche (Federal Office for Safety of Nuclear Waste Management, Germany)
  Douglas Ammerman (Sandia National Laboratories, USA)
  Makoto Hirose (Nuclear Regulation Authority, Japan)
  Sandia National Laboratories (USA)
Aoki and Young Awards

- Clive Young Awards
  - Distinguished Poster Paper Presentation: Stephen Porter (International Nuclear Services Ltd., UK)
  - Distinguished Oral Presentations: Florent Ledrappier (TECHNETICS Group, France)
Aoki and Young Awards

- PATRAM 2016 Chairman’s Awards
  - Organizational Long-Term Contribution: International Atomic Energy Agency
  - Individual Long-Term Contribution: Christel Fasten (Federal Office for Safety of Nuclear Waste Management, Germany) Gilles Sert (Institut de Radioprotection et de Sûreté Nucléaire, France)
Next PATRAM ...

It’s my turn to announce it!

Mr. Boyle, please.
Check your calendar:

See you all in USA, 4 – 9 August, 2019

Thank you for your attention ...