



2015 ISOE Asian ALARA Symposium Tokyo, Japan, September 9-11, 2015

Program

ISOE Asian ALARA Symposium

The Asian Technical Center of the Information System on Occupational Exposure (ISOE) is pleased to organize the 2015 Asian ALARA Symposium on occupational exposure management at nuclear facilities. The symposium will be held in Tokyo, Japan from September 9th to 11th. It is co-sponsored by OECD Nuclear Energy Agency (NEA) and International Atomic Energy Agency (IAEA).

This symposium is targeted at all those concerned with radiological protection at nuclear facilities. Lots of experts from utilities, governments and regulatory bodies are expected to attend the symposium.

We look forward to welcoming you in Tokyo, hoping that this symposium will contribute to improvement of radiation protection management at nuclear facilities.

Symposium Language

Working language of this symposium will be English.

* Consecutive interpretation (Japanese / English) will be provided.

Symposium Schedule

Date	Time	
Sep. 9 (Wed)	13:00-13:30	Registration
	13:30-14:40	Opening / Special Lecture
	15:00-16:30	Session 1
	16:50-17:50	Session 2
	18:00-20:00	Welcome Reception
Sep. 10 (Thu)	9:00-10:30	Session 3
	10:50-12:20	Session 4
	13:50-15:20	Session 5
	15:40-16:40	Session 6
Sep. 11 (Fri)	9:00-22:00	Technical Tour to JNFL

September 9, 2015 (Wednesday)

13:00-13:30 Registration

13:30-13:40 Opening

Welcome Address: Hiroko Tezuka, Nuclear Safety Research Association

13:40-14:40 Special Lecture

13:40-14:10 Special Lecture 1: OECD/NEA Recent Activities on Nuclear Safety Regulation and Nuclear Emergency Matters

Kazuo Shimomura,
OECD Nuclear Energy Agency

14:10-14:40 Special Lecture 2: Overview of the ATC activities

Hiroko Tezuka,
Nuclear Safety Research Association / ATC, Japan

14:40-15:00 Coffee Break (20 min.) (Photo)

15:00-16:30 Session 1: Reduction of exposure of workers

Chairperson: Hiroko Tezuka (NSRA / ATC)

15:00-15:30 Revision of Regulation for Radiation Exposure on Emergency Workers

Ko Togaaki,
Nuclear Regulatory Authority, Japan

15:30-16:00 Preparedness for Future Nuclear Emergencies -Based on Lessons Learned from TEPCO Fukushima Daiichi NPP Accident-

Shojiro Yasui,
Ministry of Health, Labour and Welfare, Japan

16:00-16:30 Improvement of the Labor Environment at Fukushima Daiichi Nuclear Power Station

Yasuhito Nishida,
Tokyo Electric Power Company, Japan

16:30-16:50 Coffee Break (20 min.)

16:50-17:50 Session 2: Decommissioning and nuclear fuel waste management

Chairperson: Tomoyuki Nomura (NSRA / ATC)

16:50-17:20 IAEA Project: Guidance on Practical ORP in Decommissioning of Nuclear Installations

Peter Hofvander,
International Atomic Energy Agency

17:20-17:50 Consideration on Radiation Shielding Safety Review of High Density Storage Racks Additionally Installed in Spent Fuel Pool

Byeongsoo Kim,
Korea Institute of Nuclear Safety, Republic of Korea

18:00-20:00 Welcome Reception at Hyakudaichaya

September 10, 2015 (Thursday)

9:00-10:30 Session 3: ALARA activities at Korean utility

Chairperson: Hiroko Tezuka (NSRA / ATC)

9:00 - 9:30 Gaseous Tritium Release Reduction by Evaporation at Fuel Building

Minchul Kim,

Korea Hydro & Nuclear Power Co., Ltd, Republic of Korea

9:30 -10:00 The Status of Radiation Protection Management and its Prospect in KHNP

Kidoo Kang,

Korea Hydro & Nuclear Power Co., Ltd, Republic of Korea

10:00-10:30 Development of IDIS (Integrated Drain Information System) for Reducing Radiation Exposure

Dong-ug Kim,

Korea Hydro & Nuclear Power Co., Ltd, Republic of Korea

10:30-10:50 Coffee Break (20 min.)

10:50-12:20 Session 4: ALARA activities at NATC

Chairperson: David W. Miller (NATC)

10:50-11:20 Managing Radiological Risk

Martha Wagner,

Arizona Public Service Company, USA

11:20-11:50 Working Group on Position-Sensitive Gamma-Ray Imaging Spectrometers in the Nuclear Power Industry

Bennett Williams,

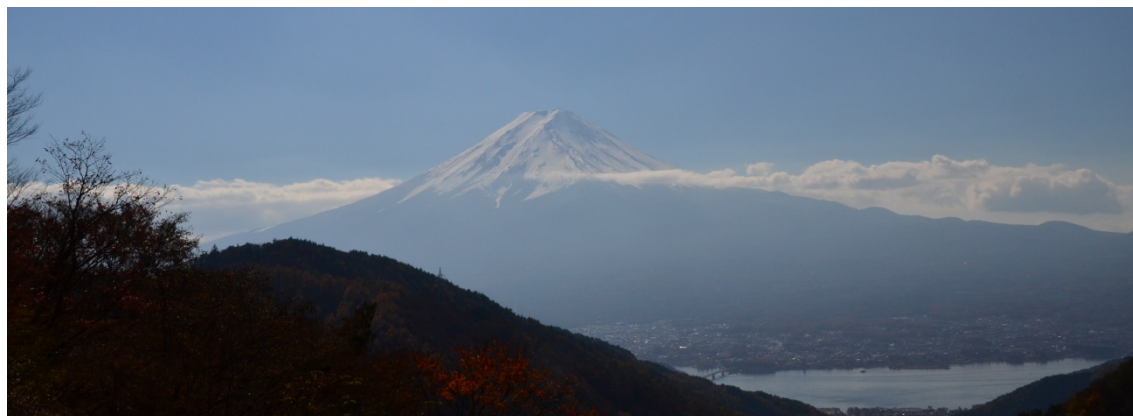
NATC Polaris-H Data Analysis Coordinator, USA

11:50-12:20 Benchmarking U.S. Plants for Successful Refueling Outages

Michael Oellig,

NATC Rad Engineering Analyst, USA

12:20-13:50 Lunch (90 min.)



13:50-15:20 Session 5: Dosimetry and dose assessment

Chairperson: Hideharu Sato (NSRA / ATC)

13:50-14:20 New CTZ ALARA Tools Implemented at Cook Nuclear Plant

David W. Miller,

Cook Nuclear Plant, American Electric Power / NATC, USA

14:20-14:50 Station Dose Estimate Process & ALARA Oversight

Martha Wagner,

Arizona Public Service Company, USA

14:50-15:20 Size Distribution of Radioactive Particles in Loviisa NPP

Miska Hirvelä,

Fortum P&H / Loviisa NPP, Finland

15:20-15:40 Coffee Break (20 min.)

15:40-16:40 Session 6: Related equipment, devices and system

Chairperson: Hiroko Tezuka (NSRA / ATC)

15:40-16:10 Refueling Outage & Dry Cask Shielding Improvements at US Nuclear Plants

Jeffrey van de Linde,

Eichrom Technologies / NPO, USA

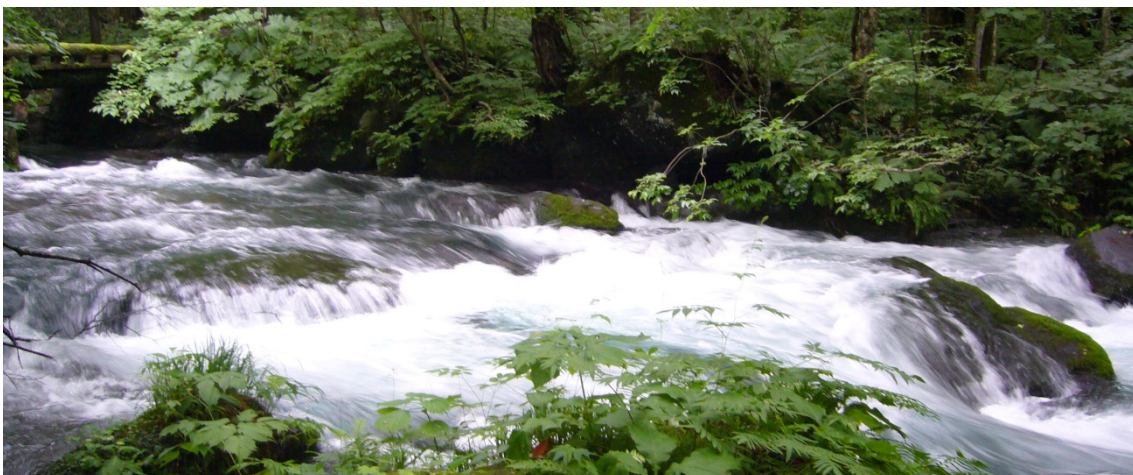
16:10-16:40 The Effect of Surface Treatment on Reducing Metal Release from Alloy 690 SG Tubing in PWR Primary Water

Yasuyoshi Hidaka,

Nippon Steel & Sumitomo Metal Corporation, Japan

16:40- Closing

Distinguished papers and closure of the symposium



September 11, 2015 (Friday)

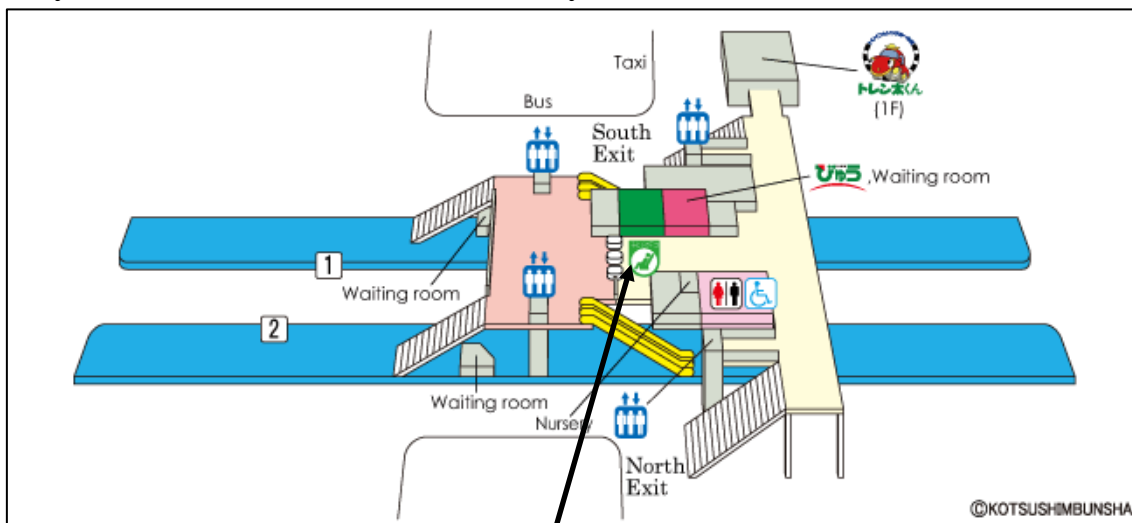
Technical tour to Japan Nuclear Fuel Limited (JNFL)

For this event, casual attire is recommended.

Please do not forget to bring your passport.

[Time schedule]

Tokyo 9:08 → Shichinohe-Towada 12:14 (Hayabusa 9)



ATC staff will be waiting at the ticket barrier at Shichinohe-Towada station.

We will take a bus from the station to Rocca-Pocca for lunch (free of charge). After that, we will visit to PR center and reprocessing plant of JNFL.

14:00- 16:40 visit to JNFL

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|-------------|---|
| 14:00-14:30 | Lecture: Exposure dose management at JNFL. |
| 14:30-15:00 | visit to PR center. |
| 15:10-15:15 | enter the reprocessing plant. |
| 15:20-15:40 | visit to visitor hall (to see Central Control Room). |
| 15:45-16:00 | visit to Spent Fuel Storage Facility. |
| 16:05-16:20 | visit to High-Level Radioactive Waste Storage Center. |
| 16:25-16:30 | exit the plant. |
| 16:40 | departure from JNFL. |

Hachinohe 19:06 → Tokyo 22:06 (Hayabusa 36)

*You can stay in Aomori prefecture after the tour as your personal choices.

Emergency Contact Telephone:

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