

ALARA Symposium

2015 ISOE Asian ALARA Symposium

2015 ISOE Asian ALARA Symposium was held on September 9-10, 2015 in Tokyo, Japan with attendance of 36 people from Japan, Republic of Korea, Finland, Sweden, USA, IAEA and OECD/NEA.

As a Special Lecture, Hiroko Tezuka of NSRA/ATC provided an overview of the Asian Technical Center activities, and Kazuo Shimomura of OECD/NEA provided a status of recent OECD/NEA Activities in Nuclear Safety Regulation and Nuclear Emergency Matters. After these lectures, a total of 18 papers were presented.

Among these papers, "Improvement of the Labor Environment at Fukushima Daiichi Nuclear Power Station" presented by Mr. Yasuhito Nishida and "Development of IDIS (Integrated Drain Information System) for Reducing Radiation Exposure" presented by Mr. Dong-un Kim were selected as a Distinguished Paper and announced at the conclusion of the ISOE Symposium.



A technical tour to Japan Nuclear Fuel Limited (JNFL) was held on September 11, 2015. The attendees visited PR center of JNFL and learned the various activities on radiation protection through the lectures of JNFL staffs. They entered into the radiation controlled area of the facility and had a chance to visit the central control room and spent fuel receiving and storage facility.



Contents

Special Lecture

Title	Speaker	Contents
OECD/NEA Recent Activities on Nuclear Safety Regulation and Nuclear Emergency Matters	Kazuo Shimomura OECD/NEA	Presentation
Overview of the ATC activities	Hiroko Tezuka NSRA / ATC, Japan	Presentation

Session1: Reduction of exposure of workers

Title	Speaker	Contents	
Revision of Regulation for Radiation Exposure on Emergency Workers	Ko Togasaki NRA, Japan	Summary 	Presentation 
Preparedness for Future Nuclear Emergencies - Based on Lessons Learned from TEPCO Fukushima Daiichi NPP Accident-	Shojiro Yasui MHLW, Japan	Summary 	Presentation 
Improvement of the Labor Environment at Fukushima Daiichi Nuclear Power Station	Yasuhito Nishida TEPCO, Japan	Summary 	Presentation 

Session2: Decommissioning and nuclear fuel waste management

Title	Speaker	Contents	
IAEA Project: Guidance on Practical ORP in Decommissioning of Nuclear Installations	Peter Hofvander IAEA	Summary 	Presentation 
Consideration on Radiation Shielding Safety Review of High Density Storage Racks Additionally Installed in Spent Fuel Pool	Byeongsoo Kim KINS, Korea	Summary 	Presentation 

Session3: ALARA activities at Korean utility

Title	Speaker	Contents	
Gaseous Tritium Release Reduction by Evaporation at Fuel Building	Minchul Kim KHNP, Korea	Summary 	Presentation 
The Status of Radiation Protection Management and its Prospect in KHNP	Kidoo Kang KHNP, Korea	Summary 	Presentation 
Development of IDIS (Integrated Drain Information System) for Reducing Radiation Exposure	Dong-ug Kim KHNP, Korea	Summary 	Presentation 

Session4: ALARA activities at NATC




Title	Speaker	Contents	
Managing Radiological Risk	Martha Wagner Arizona Public Service Company, USA	Summary 	Presentation 
Working Group on Position-Sensitive Gamma-Ray Imaging Spectrometers in the Nuclear Power Industry	Bennett Williams NATC, USA	Summary 	Presentation 
Benchmarking U.S. Plants for Successful Refueling Outages	Michael Oellig NATC, USA	Summary 	Presentation 

Session5: Dosimetry and dose assessment

Title	Speaker	Contents	
New CTZ ALARA Tools Implemented at Cook	David W. Miller NATC, USA	Summary 	Presentation 

Nuclear Plant			
Station Dose Estimate Process & ALARA Oversight	Martha Wagner Arizona Public Service Company, USA	Summary 	Presentation 
Size Distribution of Radioactive Particles in Loviisa NPP	Miska Hirvelä Loviisa NPP, Finland	Summary 	Presentation 

Session6: Related equipment, devices and system

Title	Speaker	Contents	
Refueling Outage & Dry Cask Shielding Improvements at US Nuclear Plants	Jeffrey van de Linde Eichrom Technologies, USA	Summary 	Presentation 
The Effect of Surface Treatment on Reducing Metal Release from Alloy 690 SG Tubing in PWR Primary Water	Yasuyoshi Hidaka NSSMC, Japan	Summary 	Presentation 

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