

# ALARA Symposium

## 2014 ISOE Asian ALARA Symposium

The 2014 ISOE Asian ALARA Symposium was held on September 23-25, 2014 in Gyeongju, Republic of Korea, with attendance of 117 individuals from Japan, Republic of Korea, USA, and the ISOE Secretariat.

A total of 19 papers were presented. From Korea, the papers were presented on the radiation management in nuclear power plant accidents and exposure reduction activities in nuclear power plants, radioactive waste management, and spent fuel transport in Korea.

ISOE program and database with dose trends at the nuclear power plants was introduced from ISOE Secretariat.

From Japan, the papers were presented on overview of the Asian Technical Center (ATC) activities, exposure reduction activities in nuclear power plants, and the new operation scheme for the ATC.

Among these presentations, "Decreasing costs and increasing efficiency by reusing lead vests for reduction of waste materials" by Mr. Dong Ki Yun (Korea Hydro & Nuclear Power Co., Ltd.(KHNP)) and "Radiation protection management in Fukushima Daiichi NPS and post accident measures" by Mr. Shiro Takahira (Tokyo Electric Power Company) were selected as the Best Presentation Awards.

The awarded papers will be invited to be presented at the 2015 ISOE International ALARA Symposium in May, 2015 in Brazil.



Technical visit to the Shin-Wolsong NPP of KHNP, and Low & Intermediate Level Radioactive Waste Disposal Facility of Korea Radioactive Waste Agency (KORAD) was arranged on the last day of the symposium, September 25, 2014.















## Contents

### Special Lecture

Title	Speaker	Contents	
Do we need another category of consented exposure?	Jaiki Lee Hanyang Univ., Korea		Presentation 
Evolution of radiological protection system: Ethical review	Kunwoo Cho KINS, Korea		Presentation 

### Session1

Title	Speaker	Contents	
Overview of the ISOE program and database with dose trends at the nuclear power plants	Halil Burcin Okyar OECD/NEA	Summary 	Presentation 
The role of Radiation Health Research Institute in case of NPPs' accident	Hajung Gong KHNP-RHRI, Korea	Summary 	Presentation 
The new operation scheme for ATC	Kenichiro Kaneda NSRA, Japan	Summary 	Presentation 
KHNP phased dose reduction	Sungjun Maeng KHNP-CRI, Korea	Summary 	Presentation 
Radiation protection management in Fukushima Daiichi NPS and post accident measures	Shiro Takahira TEPCO, Japan	Summary 	Presentation 
Development of the most appropriate algorithm for estimating personal dose of radiation workers during maintenance periods in nuclear power plants	Heegeun Kim KHNP-CRI, Korea	Summary 	Presentation 












### Session2

Title	Speaker	Contents	
* Current situation of radiation safety control	Yuji Matsuzoe Fuji Electric, Japan	Summary 	Presentation 
Decreasing costs and increasing efficiency by reusing lead vests for reduction of waste materials	Dongki Yun KHNP-Hanbit, Korea	Summary 	Presentation 
Development of the KHNP ALARA center program for the optimization of radiation dose to workers	Jeongin Kim KHNP-RHRI, Korea	Summary 	Presentation 
The effects of zinc injection from hot function test at TOMARI unit 3	Keisuke Sasaki HEPCO, Japan	Summary 	Presentation 
Radiation protection in radioactive waste management	Byeongsoo Kim KINS, Korea	Summary 	Presentation 
Radiation safety management for opening and closing of the steam	Seulgi Kim KHNP-Wolsong, Korea	Summary 	Presentation 

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\* Because of Typhoon, this was not presented, but the presentation document has been provided.

### Session3

Title	Speaker	Contents	
Overview of the ATC activities in the last twenty years	Yoshihisa Hayashida NRA, Japan	<a href="#">Summary</a> 	<a href="#">Presentation</a> 
Radiation safety management for replacement of reactor head of Kori unit 1	Hanseok Lee KHNP-Kori, Korea	<a href="#">Summary</a> 	<a href="#">Presentation</a> 
Steam generator replacement of Hanul unit 3, 4	Jeongseop Lee KHNP- Hanul, Korea	<a href="#">Summary</a> 	<a href="#">Presentation</a> 
Radiation safety management of spent fuel transportation	Seokjun Yoo SunKwang, Korea	<a href="#">Summary</a> 	<a href="#">Presentation</a> 
Improvement of the existing respirator capability in abnormal situation	Daesu Lee KORASOL, Korea	<a href="#">Summary</a> 	<a href="#">Presentation</a> 
Radiation management using quality technique during overhaul	Doowon Kim KHNP- Hanul, Korea	<a href="#">Summary</a> 	<a href="#">Presentation</a> 

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