

AGENDA

2012 INTERNATIONAL ISOE ALARA SYMPOSIUM

*Twentieth Anniversary of the Global ISOE Program:
Fukushima Severe Accident Dose Management &
Global Lessons Learned in Occupational Dose Reduction*

**Hyatt Regency Pier
January 8 - 11, 2012**

Sunday, January 8, 2012

8:30 am – 5:30 pm Professional Enrichment Courses for Radiation Protection Continuing Education
including Internal Dosimetry Assessment, CZT Piping Measurements, New
Comparison Charts ICRP Recommendations & Generation of ISOE Dose Trend
(Courses are optional, see Att. #1.)

5:30 pm– 7:00 pm **Registration** Crystal Ballroom
Foyer

Monday, January 9, 2012

7:00 am – 8:00 am **Registration** Crystal Ballroom
Foyer

7:00 am – 8:00 am **Continental Breakfast**

All International Technical Sessions Crystal Ballroom
A

Plenary Session: Fukushima Severe Accident Status & Impact on Operating Nuclear Power Plants

Session Co-Chairs: **Dr. John Palms**, Distinguished President Emeritus, *University of South Carolina* and
Exelon Board Member & **Gonzague Abela**, ISOE Bureau Chair-Utility, EDF,
Paris

8:00 am **Welcome**
Richard Farrell, NATC ISOE Board Chairman, Point Beach RPM, **FPL**

8:10 am **Fukushima Severe Accident Current Status & Future Plans**
Wataru Mizumachi, ISOE Bureau Chair Emeritus, Asian ISOE Center, Tokyo

8:50 am **Lessons of Fukushima-Daiichi NPP Accidents for Achievement of First Class Safety**
in the World

Dr. Tadashi NARABAYASHI, Professor, Nuclear & Environmental Systems,
Hokkaido University, Japan

9:30 am **TMI -2 Radiological Dose Management Lessons Learned Applicable to Fukushima**
 Presenter: **Roger Shaw**, CHP, Shaw Partners (former TMI-2 RPM)

10:00 am **Coffee Break** Crystal Ballroom B

10:15 am **Fukushima Severe Accident - Potential Impacts on North American & European**
NPPs
 Presenter: **Terry J. Brown**, CHP, RSO, PMP, Cook Engineering Projects Manager

10:50 am **2011 ISOE World Class ALARA Performance Award Recipient: Kewaunee Nuclear**
NP
 Presenter: **Mike Hale**, RPM & **Bill Lehmebeck**, ALARA Supv.

11:30 am **Establishment of the NATC John Palms Outstanding Radiation Safety Leadership Award.** Presenter: David W. Miller, PhD, College of Engineering, University of Illinois. Recipient: Dr. John Palms, Honorary NATC Board Chair & Exelon Board Member (retired October 2011). Recognition of 50 years of Dr. John Palms Radiation Safety Leadership in the Nuclear Industry including Membership on Exelon Board of Directors INPO Training Accreditation Board & Academic Environmental Monitoring Safety Net Program at Susquehanna SES after TMI 2 Accident.

12:00 noon **Lunch** Exhibition Hall
Crystal
Ballroom B

Session II: 2012 Global ALARA Highlights

Session Chairs: **Willie Harris**, Exelon Fleet RP Manager

1:00 pm **French Radiation Protection Fleet Program Successes & Challenges**
Gonzague Abela, ISOE Bureau Chair, EDF, Paris

1:30 pm **Cambridge Symposium Distinguished Paper: GAMPIX A New Generation of Gamma Camera for Hot Spot Localisation**
Frederic Carrel, CEA List, Paris, R. Abou Khalil, P. Blot (Canberra), K. Boudergui (CEA (Canberra), N. Saurel (Canberra), France), S. Colas (CEA DAM Valduc), M. Gmar (CEA List), F. Lemasle (CEA DAM Valduc), V. Schoepff (CEA List), H. Toubon

2:00 pm **Ringhal's Containment Fire & Lessons Learned**
Torgny Sveberg, Ringhals, Sweden

2:30 pm **Coffee Break** Crystal Ballroom B

Session III: Innovations and Constraints on ALARA Programs

Session Chairs: **Wataru Mizumachi**, ISOE Bureau - Tokyo

3:00 pm **Update on NRC Consideration of ICRP 103 Recommendations**
Donald Cool, USNRC

3:30 pm **Cambridge Symposium Distinguished Paper: Steam Generator Replacement of the Belgian Doel 1 Unit: follow-up and on-site Dosimetry**
B. Walschaerts (Tractebel Engineering), J. Defloor, R. Wyckmans (Doel NPP), Belgium

4:00 pm	Asian ISOE Symposium Distinguished Paper: Operation of Remote Monitoring & Video Telephony System for Advanced RP Weon-Seob Yoon, Korea & Nuclear Power Co. Ltd. (KHNP)	
4:30 pm	EPRI Radiation Management Research Program Update Phung Tran, EPRI	
5:30 – 7:00 pm	Opening Symposium Vendor Reception (All attendees are cordially invited to attending the Opening Vendor Reception)	<u>Crystal Ballroom B</u>

Tuesday, January 10, 2012

7:00 am – 8:00 am	Registration	<u>Crystal Ballroom</u>
	Foyer	
7:00 am – 8:00 am	Continental Breakfast	<u>Crystal Ballroom B</u>
Technical Meetings		<u>Crystal Ballroom A</u>
Exhibit Show		<u>Crystal Ballroom B</u>

Session IV: Global ALARA Experiences in 2011

Session Chairs:	John Moser, Exelon - Midwest	
8:00 am	ISOE Program Highlights & Future Directions HalilBurcin OKYAR, ISOE Co-Secretariat, OECD/NEA, Paris	
8:30 am	Susquehanna's Low Occupational Dose Achievements Shannon Peterkin, Susquehanna Steam Electric Station	
9:00 am	Angra 1,2 ALARA Program Successes & Future Initiatives Marcos Amaral, Angra NPP, Brazil	
9:30 am	Initial Implementation of Underwater Remote Dosimetry During Diving in the Fuel Pools Rick Leasure, Braidwood, Exelon	Spent
10:00 am	Coffee Break	<u>Crystal Ballroom A</u>

Session V: Source Term Successes and Lessons Learned in 2011

Session Chairs:	David W. Miller, NATC, Cook Nuclear Plant	
10:30 am	Asian ISOE Symposium Distinguished Paper: An Experience of Reduction of Airborne Tritium Release Respectively Shin Jason, Korea Hydro & Nuclear Power Co. Ltd. (KHNP)	
11:00 am	Use of Laser Scanning and 3D Technology in the Nuclear Industry Amadeus Burger, CSA, Inc.	
11:30 am	INPO Radiological Observations & Lessons Learned Bill Bullard, INPO RP	
12:00 noon	Lunch	<u>Crystal Ballroom A</u>

Session VI: ALARA Lessons Learned

Session Chairs:	Patty Jones, Calvert Cliffs	
1:30 pm	Duke Fleet ALARA Program Analysis & Enhancements David Thompson, Duke Fleet RPM, Duke Energy	
2:00 pm	EPRI/FIATECH 3D ALARA Planning Prototype for Advanced Dose Estimation and ALARA Job Planning Phung Tran, EPRI	
2:30 pm	SRMP/BRAC Revisions Daniel Wells, EPRI	
3:00 pm	Coffee Break	<u>Crystal Ballroom B</u>

Session VII: Regulatory ALARA Updates

Session Chairs:	Doris Lewis, USNRC and TBA, Canadian Nuclear Safety Commission	
3:30 pm Study 2	Dose Constraints in Optimisation of Occupational Radiological Protection: Case Caroline Schieber, European IAEA Technical Center, Paris	
4:00 pm	NRR Regulatory ALARA Findings Update, Steven Garry, NRR, US NRC ALARA Observations in Regional NRC Inspections, Billy Dickson & John Cassidy, US NRC	
4:30 pm	Regulatory (NRC) Panel Discussion, Moderators: Steven Garry, Billy Dickson & John Cassidy, USNRC Open Forum for Discussion on Dose Related Regulatory Topics	

Wednesday, January 11, 2012

7:00 am – 8:00 am	Registration	<u>Crystal Ballroom Foyer</u>
7:00 am – 8:00 am	Continental Breakfast	<u>Crystal Ballroom B</u>
	Technical Meetings	<u>Crystal Ballroom A</u>
	Exhibit Show	<u>Crystal Ballroom B</u>

Session VIII: ALARA Experience from Fall Refueling Outages

Session Chairs:	Willie Harris, IAEA Bureau Chair	
8:00 am	Development of the FANRR RP Program During Design Phases of New Builds Maha AZIZ, FANRR, United Arab Emirates	
8:30 am	Bruce A, Units 1 & 2 Restart RP Issues After Refurbishment, David E. Miller, <i>Bruce Power (invited)</i>	
9:00 am	ERP-Based Radiation Safety, Environment and Emergency Preparedness Management Information Systems for Nuclear Power Plant Lee Geon Haeng, Korea Hydro & Nuclear Power Co. Ltd	

9:30 am **EPRI BWR/PWR Primary Chemistry Guidelines Update and Impact on RP**
Dan Wells, EPRI

10:00 am **Coffee Break** Crystal Ballroom B

Session IX: Industry Dose Reduction Initiatives

Session Chair: **David Thompson, Duke Energy**

10:30 am **Adept – 3D Virtual Reality Job Simulation Tool for Radioactive Environmental**
Yury Verzilov, Kinetrics, Toronto, CANADA

11:00 am **Challenges for Barseback During the Transition Phase from Operation to**
Dismantling

Conny Welander and Carl Lindvall, Barseback, Sweden

11:30 am **ALARA Program Successes & Challenges at Cook NP**
Bob Hite, Cook Nuclear Plant, AEP

12:00 noon **Lunch** Crystal Ballroom B

Session X: Additional International ALARA Highlights

Session Chair: **Richard Farrell, RPM, Point Beach & NATC Board Chair**

1:00 pm **Dose reduction initiatives at the Koeberg Nuclear Power Station**
Marcos Maree, Koeberg NPP, South Africa

1:30 pm **Technology Development for Reducing Plant Radiation Levels in PWRs, BWRs and**
CANDU's
Patricia Robinson, (n,p) Energy, Inc., USA

2:00 pm **Radiological Risk Management**
Willie Harris, Exelon Nuclear, USA

2:30 pm **Commemoration of the 20th Anniversary of the Global ISOE Program**
David Miller, ISOE North American Technical Centre (NATC), USA

3:00 pm **Meeting Summary & Closing**
David Miller, NATC ISOE