

# 2017 International ISOE ALARA Symposium Agenda

January 9-11, 2017  
Hyatt Regency Pier Sixty-Six  
2301 S.E. 17<sup>th</sup> Street Causeway  
Ft. Lauderdale, Florida 33316 USA  
Phone: 954-525-6666

## Celebrating the Twenty-Fifth Anniversary of ISOE Plus

Update on the Restarting of Japanese Nuclear Power Plants Based  
On Lessons Learned from the Fukushima Daiichi Accidents

**Monday, January 9, 2017**

**Location**

**\*All General Sessions will be held in Crystal Ballroom 3, 4**

**\*\*Vendors will be set up in Crystal Ballroom 1, 2**

7:00 am Registration

Crystal Foyer

### Plenary Session I: 25<sup>th</sup> Anniversary of Information System on Occupational Exposure (ISOE) Crystal Ballroom 1, 2

**Session Co-Chairs:** John Palms, PhD, Distinguished President & Professor Emeritus, University of South Carolina, Exelon Board Member Emeritus & NATC Honorary Board Chair & Marcos Antonio Do Amaral, ISOE Bureau Chair, Brazil

8:00 am **Welcome** to the 25<sup>th</sup> Anniversary of the Information System on Occupational Exposure  
John M. Palms, Honorary NATC Board Chair & Marcos Antonio Do Amaral, ISOE Bureau Chair, Brazil

8:10 am **OECD NEA Programs to Strengthen Nuclear Safety Globally**  
William Magwood, IV, Director General, OECD Nuclear Energy Agency, Paris

9:00 am **Bruce Power's Achievement of Site Operations to 2064: Future Site Initiatives & Challenges**  
Len Clewett, Bruce Power, Ontario, CANADA  
**Recipient of the 2016 Outstanding Nuclear Site Achievement Award**  
Citation presented by John M. Palms, Honorary NATC Board Chair

10:00 am **Coffee Break**

Crystal Foyer

<b>Monday, January 9, 2017 (continued)</b>		<b>Location</b>
<b>Session II: Global ALARA Excellence on the Occasion of ISOE's 25<sup>th</sup> Anniversary</b>		
10:15 am	<b>Issues and Challenges in Radiation Protection in Canada: A Status Update</b> Terry Jamieson, Vice-President, Technical Support Branch, CNSC, Ottawa, CANADA	
11:00 am	<b>25<sup>th</sup> Anniversary of the Global ISOE Program: ISOE Past, Present &amp; Future</b> Marcos Antonio Do Amaral, ISOE Bureau Chair, Brazil	
11:30 am	<b>2016 World Class ALARA Performance Award: Clinton Power Station, Exelon</b> Ted Stoner, Site Vice President; Neil Hightower, RPM and James Wade, ALARA, Analyst, Clinton Power Station Citations presented by John M. Palms, Honorary NATC Board Chair & Distinguished President Emeritus, University of South Carolina	
12:00 noon	<b>Lunch</b>	<b>Crystal Foyer</b>
<b>Session III: Recent International ALARA Achievements</b>		
<b>Session Co-Chairs:</b> David W. Miller, NATC, Cook Nuclear Plant & Doug Noble, Davis Besse		
1:00 pm	<b>Lessons Learned from the Fukushima Daiichi Accident and Safety Improvements at Kashiwazaki Kariwa Nuclear Power Plant</b> Shinichi KAWAMURA, General Manager, Nuclear Asset Management Dept. & Nuclear Seismic Engineering Center, Tokyo Electric Company, Japan	
2:00 pm	<b>The Big Picture – KKL's 10-years Safety Assessment</b> Andreas Ritter, Deputy RPM, Leidstadt NPP, Switzerland	
2:30 pm	<b>Coffee Break</b>	
3:00 pm	<b>The Evolution of a New Manned Space Exploration Initiative by Government and Private Teams</b> Dr. Dennis Chamberland, Principal Investigator John F. Kennedy Space Center, NASA	
4:00 pm	Face-to-Face with Radiation Protection Vendors	
5:00 pm	<b>Adjourn</b>	
5:30 pm – 7:00 pm	<b>Opening Vendor Reception</b> <b>25<sup>th</sup> ISOE Anniversary Celebration in the Exhibit Hall</b> All Attendees are cordially invited to attend to meet international ISOE colleagues and learn about ALARA products and services from over 35 vendors.	<b>Crystal Ballroom 1, 2</b>

## Tuesday, January 10, 2017

7:00 am      **Continental Breakfast**      **Crystal Ballroom 1, 2**

**Session IV: Source Term Reduction Methodologies**      **Crystal Ballroom 3, 4**

**Session Co-Chairs:** Carolyn Schieber, ISOE European Technical Center Project Leader &  
Brad Boyer, NATC Board Chair, Prairie Island NPP, Excel Energy

8:00 am      **The Surprising Advances in the Quest for Human Exploration and Settlement of Mars**

Dr. Dennis Chamberland, Principal Investigator  
John F. Kennedy Space Center, NASA

9:00 am      **Chemical Decon of Primary Sample Piping**

Donald R. Russell, Catawba, Duke Energy

9:30 pm      **Source Term Challenges at LaSalle Station**

Ed Wolfe, LaSalle Station, Exelon

10:00 am      **Coffee Break in Exhibition Hall**

**Crystal Ballroom 3, 4**

Please continue to meet vendors and have Passport Card  
initialed by each vendor for prize drawing at Wednesday AM Break

**Session V: ISOE International Distinguished Papers**

**Session Chair:** Colin Prichard, ISOE Working Group on Data Analysis Chair, Authorized Health  
Physicist & Corporate RPM, Bruce Power

10:30 am      **Restart Status of Japanese NPPs, Filtered Containment Venting System (FCVS),  
New Regulatory Requirements & Super Engineer Education Project**

Presented at IPRA-14 Plenary Session on Fukushima Accident, Capetown, April 2016  
Dr. Tadashi Narabayashi, Nuclear & Environmental Systems, Hokkaido University,  
Japan

11:00 am      **Pickering RP Program Highlights**

Josip Zic, M.Sc, CHP, Manager (Acting), Health Physics Department, Radiation Safety  
Division, Responsible Health Physicist, Pickering Nuclear Generating Station, RP  
Manager, Ontario Power Generation

11:30 am      **Highlights of Palo Verde ALARA Program**

Terry Dickinson, Palo Verde, Arizona Public Service

**12:00 noon      Lunch**

**Crystal Ballroom 1, 2**

## **Tuesday, January 10, 2017 (continued)**

### **Session V: Radiological Work Management at Nuclear Power Plants**

**Session Co-Chair:** David Wood, NATC Host RPM, Cook Nuclear Plant, American Electric Power

- 1:30 pm      **CZT Results at Prairie Island**  
Ben Russell, Health Physicist, Prairie Island, Xcel Energy
- 2:00 pm      **Designing ALARA in the 20<sup>th</sup> Century**  
Raymond Rouse, Watts Bar Unit 2, Tennessee Valley Authority
- 2:30 pm      **Delivering the Nuclear Promise: Consolidated NANTEL Site Access to Reduce NPP Operating Costs**  
David Thompson, Fleet RPM, Duke Power
- 3:00            Coffee Break**

### **Session VI: Regulatory RP Update**

**Session Chair:** Hironori Peterson, Branch Chief, US NRC Region III

- 3:30 pm      **Highlights of Spanish Regulatory Agency's Radiation Protection of Workers Program**  
Graciela Ponjuan Reyes, Consejo de Seguridad Nuclear, Spain
- 4:00 pm      **NRC Update on ALARA Observation & RP Regulatory Topics**  
Steven Garry, NRR, US Nuclear Regulatory Commission
- 4:30 pm      **Regulatory Panel Discussion: Hironori Peterson, Moderator,** Steven Garry,  
NRR/NRC, Bruce Dione & Ron Rolph, US NRC Region I, Tony Go, US NRC Region III
- 5:00 pm      **Adjourn**

## **Wednesday, January 11, 2017**

7:00 am      Continental Breakfast **Crystal Ballroom 1, 2**

### **Session VII: ALARA Outage Lessons Learned and ALARA Goals**

**Session Chair:** Rick Laburn, RPM, Fermi, Detroit Edison

- 8:00 am      **INPO RP Challenges in 2015 & Program Plans in 2017**  
Paul McNulty, INPO RP Manager
- 8:300 am      **Cook RP Experience with PWR Baffle Bolt Replacement - Fall 2016**  
David Wood, RPM, Cook NPP
- 9:00 am      **ALARA Evaluation Guide**  
Caroline Schieber, ISOE European Technical Director, Paris

## Wednesday, January 11, 2017 (continued)

- 9:30 am      **Break**      **Crystal Ballroom 1, 2**
- Session VIII: Session IX: ALARA at Decommissioning Sites**      **Crystal Ballroom 3, 4**  
Session Chair: Doug Noble, Davis Besse, First Energy Corp.
- 10:00 am      **New Radiological Control of Areas in Fukiushima Daiichi Nuclear Power Station**  
Daisuke Ozaki, Tokyo Electric Power Company, Tokyo, JAPAN  
Distinguished Paper September 2016 ISOE Asian Symposium (Fukushima, Japan)
- 10:30 am      **ISOE Expert Group on Decommissioning Technical Visits to Zion - USA**  
**Kewaunee - USA, Studsvik & Barseback, SWEDEN**  
Mike Hale, Chair ISOE Expert Group/RPM Kewaunee Nuclear Plant
- 11:00 am      **Improvements at Fukushima Daiichi NPP and TEPCO**  
Bob Porter, RP Consultant to TEPCo, Japan
- 11:30 am      **AgX and AgR for Organic Iodine Removal**  
Sanshiro Kobayashi, Morinura Bldg  
Toshiki Kobayashi & Koji Endo RASA Industries, Ltd, Japan
- 12:00 Noon      **Lunch**      **Crystal Ballroom 1, 2**
- Session IX: International ALARA Session**      **Crystal Ballroom 3, 4**  
Session Chair: David Thompson, Fleet RPM, Duke Energy
- 1:00 pm      **Bruce Powe RP Challenges with Unit Refurbishments and Plant Life Extension**  
Colin Pritchard, Corporate RPM, Bruce Power
- 1:30 pm      **Impact of Activity Removal by IX Resins on Outage Radiation Fields**  
Yury Verzilov, Ph.D. Kinectrics, Inc. Canada
- 2:00 pm      **IAEA Perspectives on 25 years of the Global ISOE Program for IAEA Countries**  
M. Pinak, IAEA, Vienna
- 2:45 pm      Highlights of NATC ISOE Strategic Plan for 2017**  
Brad Boyer, NATC Board Chair, Prairie Island NPP, Excel Energy & Richard Doty,  
NATC Regional External Affairs Director
- 3:15 pm      **Meeting Summary**  
Marcos Antonio Do Amaral, Brazil & David W. Miller, NATC, University of Illinois
- 3:30 pm      **Meeting Adjournment**

## Wednesday, January 11, 2017 (continued)

---

Please complete the 2017 ISOE Symposium Evaluation Survey.

Note the 2018 North American ISOE ALARA Symposium will be held on January 15-17, 2018.

Location and hotel will be selected based on the 2017 ISOE Symposium Evaluation Surveys.

Please thank the 2017 ISOE Symposium Technical Program Committee and Regional RPM Meeting Chairs composed of the following individuals:

- Colin Pritchard, Bruce Power
- Brad Boyer, Prairie Island,
- Doug Noble, Davis Besse
- David Thompson, Duke Power Fleet RPM
- Roger Aguilera, South Texas Project (Region IV RPM Meeting Chair)
- John Moser, LaSalle (Region III RPM Meeting Chair)

Please plan to attend the 2018 ISOE ALARA Symposium and email your program topic suggestions to [dmiller@illinois.edu](mailto:dmiller@illinois.edu), or the Technical Program Committee Members listed above.