

2019 North American ISOE ALARA Symposium Agenda

January 28-30, 2019
Marriott Key West Beachside
3841 N. Roosevelt Drive
Key West, Florida, USA 33040
Phone: 305-296-8100

**Symposium Theme: Radiological Work Management Successes,
Challenges & Costs Savings**

Monday, January 28, 2019

*All General Technical Sessions will be held in Salon B Ballroom

**Vendors will be set up in Salon A & C Ballrooms

Registration is in Pre-Function Foyer Area of Salon B

7:00 am Registration

Plenary Session I: 2019 Dose Reduction Successes, Challenges & Future

Session Co-Chairs: John Palms, PhD, Distinguished President & Professor Emeritus, University of South Carolina, Exelon Board Member Emeritus & NATC Honorary Board Chair & Brad Boyer, NATC Board Chair/Watts Bar RPM, TVA

8:00 am **Welcome** to the 2019 North American ALARA Symposium, Information System on Occupational Exposure, OECD NEA/IAEA, Paris, Vienna, Tokyo and Illinois
John M. Palms, Honorary NATC Board Chair

8:10 am **Safe Nuclear Power Operations in a Changing Global Energy Environment**
Ian Wheeler, Vice President, Bruce Power

9:00 am **D. C. Cook Maintenance Experience with Aging Plant Issues, e.g., Baffle Bolt Replacements in Units 1 & 2, Westinghouse Up Flow Modification**
Scott Dailey, Maintenance Director, D. C. Cook, AEP

9:45 am **Radiation Protection Challenges with Steam Separator**
Andreas Ritter, RPM, Leibstadt AG Kernkraftwerk, Switzerland

10:15 am Coffee Break

10:30 am **Restart Status of Japanese NPPs & Climate Change Challenges**
Dr. Tadashi Narabayashi, Nuclear & Environmental Systems, Tokyo Technical Institute

Monday, January 28, 2019 (continued)

11:30 am **2018 World Class ALARA Performance Award**
ALARA Program Challenges & Successes Site Vice President & RPM (TBA)
Citations presented by John M. Palms, Honorary NATC Board Chair &
Distinguished President Emeritus, University of South Carolina

12:00 noon **Lunch**

Session II: Current ALARA Topics at Nuclear Facilities

Session Chair: David W. Miller, NATC, College of Engineering, University of Illinois

1:00 pm **ALARA Program Challenges at a New Operating U.S. PWR Ice Condenser**
Brad Boyer, NATC Board Chair & Watts Bar RPM, TVA

1:30 pm **A Critical Review of a March 2018 Report title A Fukushima-Level Nuclear
Disaster at Pickering: An Assessment of Effects**
Douglas Chambers, Vice President; Senior Scientist Risk and Radioactivity,
Arcadis, Canada

2:00 pm **ALARA Aspects of Control Rod Drive Repairs at Braidwood**
Jeff Cady, RPM, Braidwood 1, 2, Exelon

2:30 pm **Coffee Break**

2:45 pm **Mars 2019 – Preparing for Human Landings a the Red Planet**
Dr. Dennis Chamberland, Principal Investigator, NASA Biomedical Engineering and
Research Lab, Spaceport Integration Office SI-E10, John F. Kennedy Space Center,
Florida NASA

3:30 **Vendor Face-to-Face**

5:00 pm **Adjorn**

5:00 pm – 6:00 pm **ISOE Website & ALARA Dose Trend Report Generation Help Desk
Demonstrations** (Help Desk is available throughout the symposium for
individual training on global ISOE website.)
NATC staff (pre-function lobby)

6:00 pm – 7:00 pm **Opening Vendor Reception**

7:00 pm

**All Attendees are cordially invited to attend to meet ISOE colleagues and learn
about ALARA products and services from over 20 vendors.**

Tuesday, January 29, 2019

7:00 am **Continental Breakfast**

Session III: Challenges in Radiation Safety

Session Chair: Brad Boyer, NATC Board Chair & Watts Bar RPM, TVA

8:00 am **Mars Human Colony Energy Alternatives – Nuclear Solar**
Dr. Dennis Chamberland, Principal Investigator, NASA Biomedical Engineering and Research Lab, Spaceport Integration Office SI-E10, John F. Kennedy Space Center, Florida NASA

9:00 am **ALARA Program Outage Initiatives at Arkansas One**
Marty Phalen, RPM, Arkansas Nuclear One, Entergy

9:30 pm **Darlington Unit 2 Refurbishment ALARA Achievements Update**
Scott Stafford, Darlington Refurbishment Manager, Ontario Power Generation, Ontario, Canada

10:00 am **Coffee Break in Exhibition Ballroom**
Please continue to meet vendors and have Passport Card
Marked by each vendor for prize drawing at Wednesday AM Break

Session IV: Challenges in Radiation Safety (continued)

Session Chair: Colin Prichard, Chair, ISOE Working Group on Data Analysis, Corporate RPM & Refurbishment Manager, Bruce Power, Canada

10:30 am **Source Term Challenges at LaSalle Station**
John Moser, RPM & Rachel Conley, LaSalle Station, Exelon

11:30 am **Prediction of Next Outage Radiation Fields Around Reactor Components**
Yuri Verziloy, Kinectrics, Ontario, Canada

12:00 noon Lunch

Session V: Radiological Work Management at Nuclear Power Plants

Session Chair: Brad Boyer, NATC Board Chair & Watts Bar RPM, TVA

1:00 pm **Prairie Island First Use of CZT Spectra Technology on PWR CRUD Burst**
Holly Hernandez, Prairie Island, Xcel Energy

1:30 pm **ALARA Planning & Analysis of Wolfe Creek Pipe Squeeze Project**
John Cuffe, Wolfe Creek

Tuesday, January 29, 2019 (continued)

- 2:00 pm **Bruce A Spent Fuel Move Event**
Colin Prichard, Chair, ISOE Working Group on Data Analysis, Corporate RPM & Refurbishment Manager, Bruce Power, Canada
- 2:30 pm **First ISOE Work Management at Nuclear Power Plant Expert Group Report 1997**
David W. Miller, NATC, College of Engineering, University of Illinois
- 3:00 pm **Coffee Break**

Session VI: Regulatory RP Update

Session Chair: Steven Orth, Branch Chief, U.S. Nuclear Regulatory Commission, Region III

- 3:30 pm **Discussion on Accident Range Stack Monitors at Nuclear Plants**
Steven Garry, NRR, U.S. Nuclear Regulatory Commission
- 4:00 pm **Nuclear Regulatory Commission Update on ALARA Observation & RP Regulatory Topics**
Steven Garry, NRR, U.S. Nuclear Regulatory Commission
- 4:15 pm **Regulatory Panel Discussion:**
Steven Garry, Moderator, NRR, U.S. Nuclear Regulatory Commission;
Steve Orth, U.S. Nuclear Regulatory Commission, Region III Branch Chief;
Heather Gepford, U.S. Nuclear Regulatory Commission, Region IV Branch Chief;
Wade Loo, U.S. Nuclear Regulatory Commission, Region II;
John Cassidy U.S. Nuclear Regulatory Commission, Region III;
Louis Carson U.S. Nuclear Regulatory Commission Region IV
- 5:00 pm **Adjourn**

Wednesday, January 30, 2019

- 7:00 am Continental Breakfast
- Session VII: ALARA Program Improvement that Achieve Costs Savings**
Session Chair: Ryan Penney, RPM, Prairie Island, Xcel Energy
- 8:00 am **Palo Verde Record Low Dose Refueling Outage Achievement**
Nathan Hogue, RPM, Palo Verde 1, 2, 3, APS
- 8:30 am **Bruce Power's New Electronic Off-Site Telemetry System's Achievement in Labor Savings for ERO Field Teams**
Colin Prichard, Chair, ISOE Working Group on Data Analysis, Corporate RPM & Refurbishment Manager, Bruce Power, Canada

Wednesday, January 30, 2019 (continued)

9:00 am **ISOE Expert Group on Decommissioning Technical Visits to Zion, Kewaunee - USA, Studsvik & Barseback, Sweden, Spain & Muhleberg, Switzerland**
Mike Hale, Chair ISOE Expert Group, RPM, Perry, First Energy Corporation

9:30 am **ClearView Radiation Shielding – Transparent Shielding for Daily Operations and Outage Support**
Jayeesh Bakshi, V3 Integrators

10:00 am Coffee Break (Passport Drawing)

Session VIII: ALARA Initiatives

Session Chair: Doug Noble, RPM, Davis Besse, First Energy Corporation

10:30 am **UAE PWR Unit Startup Plans & ALARA Program**
Charles England, RPM

11:00 am **Highlights of Laguna Verde RP Program**
Ing Marco A. Lara Hdez, Laguna Verde, Mexico

11:15 am **Highlights of Horizon UK ABWR New Build**
Hans Wacker, Horizon, United Kingdom

11:45 am **2019 Symposium Summary & Adjournment**
Brad Boyer, NATC Board Chair & Watts Bar RPM, TVA

12:00 Noon **Lunch**

Note: Region III & IV RPM Meeting will be held from 1:00 pm to 5:00 pm in the same Ballroom as the Symposium. All Attendees are welcome to attend at no additional costs.