

2018 North American ISOE ALARA Symposium Agenda (Revised)

January 8-10, 2018
Westin Fort Lauderdale Beach Resort
321 N Fort Lauderdale Beach Blvd.
Ft. Lauderdale, Florida 33304 USA
Phone: 1 954-245-3016, Fax: 1 954 245-3050

**Symposium Theme: Doing More with Less: Embracing New Technology to Achieve
ALARA Excellence in Outage Work Management & Efficiency/Cost Savings**

Monday, January 8, 2018

***All General Sessions will be held in Atlantic Ballroom IV-V-VI**

****Vendors will be set up in Atlantic Ballroom I-II-III**

Registration will be outside of the Seagrape Room (just past Atlantic Ballroom I-II-III)

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| 7:00 am | Registration | Seagrape Room |
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Plenary Session I: 2018 US Nuclear Industry Mandate: Doing More With Less
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 2018 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 | Excellence in Nuclear Operations & Radiological Safety in 2018
Recipient of 2017 John M Palms Outstanding Innovation Award
Tim O'Connor, Chief Nuclear Officer, Monticello & Prairie Island 1, 2, Xcel Energy | |
| 9:00 am | Use of Virtual Reality and Augmented Reality in Nuclear Power Training & Education To Reduce Occupational Dose
Professor Rizwan Uddin, Head, Department of Nuclear, Plasma & Radiological Engineering, University of Illinois | |
| 10:00 am | Coffee Break | |

Monday, January 8, 2018 (continued)

Plenary Session II

- 10:15 am **Darlington Unit 2 Refurbishment ALARA Achievements**
Scott Stafford, Darlington Refurbishment Manager, Ontario Power Generation, Ontario, Canada
- 11:00 am **Bruce Power Use of New Technology to Achieve ALARA Objectives**
2017 Radiation Protection Professional of the Year Awardee:
Colin Pritchard, Authorized Health Physicist, Corporate RPM & Refurbishment Mgr
Bruce Power, Ontario, Canada
- 11:30 am **2017 World Class ALARA Performance Award:**
Diablo Canyon ALARA Program Challenges & Successes
Jim Welsch, Site Vice President, Paula Gerfen, Station Director, Matt Hayes, RPM &
John Covey, ALARA
Citations presented by John M. Palms, Honorary NATC Board Chair & Distinguished
President Emeritus, University of South Carolina
- 12:00 noon **Lunch**

Session III: Current ALARA Topics at Nuclear Facilities

Session Chair: David W. Miller, NATC, Cook Nuclear Plant

- 1:00 pm **Accident Resistant Nuclear Fuels**
Jim Stubbins, NPPE, University of Illinois
- 1:30 pm **Mechanical Stress Improvement Process (MSIP) Project Implementation**
at South Texas Project
Greg Ferrigno, HP General Supervisor, Technical, STP Nuclear Operating Company
- 2:00 pm **A Global Survey of Radiation Exposures from Uranium Mining**
Douglas Chambers, Vice president; Senior Scientist Risk and Radioactivity,
Aradis, Canada
- 2:30 pm **Coffee Break**
- 2:45 pm **Vendor Face-to-Face**
- 5:00 pm **Group Photo – Meeting Adjourn**
- 5:30 pm **Opening Vendor Reception** **Atlantic Ballroom IV,V,VI**
- 7:00 pm **All Attendees are cordially invited to attend to meet international ISOE colleagues**
and learn about ALARA products and services from over 30 vendors.

Tuesday, January 9, 2018

7:00 am **Continental Breakfast**

Session IV: Challenges in Radiation Safety

Session Co-Chairs: Brad Boyer, NATC Board Chair & RPM, Prairie Island NPP, Xcel Energy

8:00 am **Mechanical Stress Improvement Process (MSIP) Project Implementation at South Texas Project**

Greg Ferrigno, HP General Supervisor, Technical, STP Nuclear Operating Company

8:30 am **Bruce Power Use of New Technology to Achieve ALARA Objectives
2017 Radiation Protection Professional of the Year Awardee:**

Colin Pritchard, Authorized Health Physicist, Corporate RPM & Refurbishment Mgr
Bruce Power, Ontario, Canada

9:00 am **Source Term Challenges at LaSalle Station**

John Moser, RPM, LaSalle Station, Exelon; co-author, Joe Jaegers, LaSalle Station, Exelon

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

Please continue to meet vendors and have Passport Card

Initialed by each vendor for vendor prize drawing at Wednesday AM Break

Session V: Challenges in Radiation Safety (continued)

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

10:30 am **Cook ALARA Experience with Baffle Bolt Replacements in Units 1 & 2**

Dave Wood, RPM, D. C. Cook Nuclear Plant, American Electric Power

11:30 am **Restart Status of Japanese NPPs & Super Engineer Education Project**

Dr. Tadashi Narabayashi, Nuclear & Environmental Systems, Hokkaido University, Japan

12:00 noon Lunch

Session VI: Radiological Work Management at Nuclear Power Plants

Session Co-Chair: Marcos Antonio Do Amaral, Brazil

1:30 pm **CZT Results at Prairie Island**

John M Palms Outstanding Innovation Awardee

Ryan Penney, Prairie Island, Xcel Energy

2:00 pm **Operational Effectiveness Initiative at Arkansas One**

Marty Phalen, RPM, Arkansas Nuclear One, Entergy

Tuesday, January 9, 2018 (continued)

2:30 pm **Delivering the Nuclear Promise; Implementation of Efficiency Bulletin 17-01, Portable RP Technician Qualification Program to Reduce NPP Operating Costs**
Willie Harris, Exelon Fleet RPM, Exelon Nuclear

3:00 **Coffee Break**

Session VII: Regulatory RP Update

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

3:30 pm **CNSC Regulatory Highlights**
Dean Hipson, Senior power reactor site inspector with the Canadian Nuclear Safety Commission at the Pickering Nuclear Generating Station

4:00 pm **NRC Update on ALARA Observation & RP Regulatory Topics**
David Garmon, NRR, US Nuclear Regulatory Commission

4:30 pm **Regulatory Panel Discussion: Hironori Peterson, Moderator, David Garmon, NRR/NRC; John Cassidy US NRC Region III; Louis Carson US NRC Region IV**

5:00 pm **Adjourn**

5:10 pm Japan Student Mentor

6:00 pm NATC Board Meeting

Wednesday, January 10, 2018

7:00 am Continental Breakfast

Session VIII: ALARA Outage Lessons Learned and ALARA Goals

Session Chair: Rick LaBurn, RPM, Fermi, Detroit Edison

8:00 am **Highlights of Laguna Verde RP Program**
David Morgado Acosta, RPM, Laguna Verde, Mexico

8:30 am **Observations from International ALARA Site Evaluations**
Marcos Antonio Do Amaral, ISOE Bureau Chair, Brazil

9:00 am **Dry Cask Storage Dose Reduction Successes at Braidwood**
Jeff Cady, RPM, Braidwood 1, 2, Exelon

9:30 am **Break / Passport Drawing**

Wednesday, January 10, 2018 (continued)

Session IX: ALARA Initiatives

Session Chair: David Nestle, RPM, Palisades, Entergy

- 10:00 am **Overcoming The Critical Path Single Point Failure in Human Space Exploration**
Dr. Dennis Chamberland
NASA Life Scientist Bioengineer
John F Kennedy Space Center
Retired
- 10:50 am **Update on United Arab Emirates Nuclear Plant Construction**
Andrew Woodruffe, Sr. Specialist, Radiation & Criticality Safety, FANR
- 11:00 am **Palo Verde ALARA Program Successes**
Carl Moeller, Palo Verde, Arizona Public Service
- 11:30 am **Chemical Engineering Aspects of Source Term Reduction**
Patricia Robinson, n,p Energy
- 12:00 Noon **Lunch**

Session X: International ALARA Session

Session Chair: Doug Noble, Davis Besse, RPM, First Energy Corp.

- 1:00 pm **A Device for Continuous Repeating Real-time Assay of HPGe, CZT, or Scintillation Gamma Spectra**
Frazier Bronson, Canberra/Mirion
- 1:30 pm **AgX and AgR for Organic Iodine Removal**
Sanshiro Kobayashi, Morinura Bldg
Toshiki Kobayashi & Koji Endo RASA Industries, Ltd, Japan
- 2:00 **Horizon UK PWR New Build Update**
Hans Wacker, Horizon, United Kingdom
- 2:15 pm **New ISOE Database and Website Features in 2018**
David Miller, D. C. Cook Nuclear Plant, American Electric Power
- 2:30 pm **Highlights of ISOE Country ALARA Experience Reports**
Richard Doty, NATC, University of Illinois
- 2:45 pm **NATC Studies in Dry Cask Dose Reduction**
David Miller, D. C. Cook Nuclear Plant, American Electric Power
- 3:15 pm **2018 ISOE Strategic Plan**
Brad Boyer, NATC Board Chair

3:30 pm **2018 ALARA Symposium Conclusions**
Brad Boyer & David W. Miller

3:45 pm **Meeting Adjournment**

Please complete the 2018 ISOE Symposium Evaluation Survey.
Note the 2019 North American ISOE ALARA Symposium will be held on January 7-9, 2019. Location and hotel will be selected based on the 2018 ISOE Symposium Evaluation Surveys.

Please thank the 2018 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
- Richard LaBurn, Fermi 2
- John Moser, LaSalle (Region III RPM Meeting Chair)

Please plan to attend the 2019 ISOE ALARA Symposium and email your program topic suggestions to dmiller@illinois.edu, or the Technical Program Committee Members listed above.

Agenda Approved by:

