2022 North American ISOE ALARA Symposium Agenda
Key West Marriott Beachside Hotel
3841 North Roosevelt Boulevard
Key West, Florida, USA 33040  +1 305 296-8100
8:00 am- 5:00 pm EST Daily, January 4-6, 2022

North American Technical Center, Department of Nuclear, Plasma & Radiological Engineering,
Grainger College of Engineering, University of Illinois
216 Talbot Laboratory, 104 S. Wright Street, Urbana, Illinois, USA 61801
(contact Amy Moeller, almoeller88@gmail.com +1 269 930 0753) or
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Symposium Theme - 30th Anniversary of the ISOE Program:
Sharing of ALARA Good Practices & Lessons Learned

Tuesday, January 4, 2022
* Selected Presentations contain Proprietary or Restricted Information. This information will not be
available to attendees outside of the NATC Symposium presentation in accord with U.S.
Government Export/Import Regulations and Counterintelligence Service instructions to the
Grainger College of Engineering, University of Illinois at Urbana-Champaign. Each attendee is
requested to sign and return the NPRE Non-Disclosure Form for ALARA Symposia as in past
years. (Please contact Prof. Rizwan Uddin, Head- NPRE, if you have any questions.)

Plenary Session I: Day 1
Session Co-Chairs: John M. Palms, NATC Honorary Board Chair, Distinguished President Emeritus, University of South Carolina & Bradley Boyer, ISOE Bureau Chairperson,
Tennessee Valley Authority (TVA) RP Director

7:00-8:00 am  Continental Breakfast (Exhibit Hall)

7:00 am -5:00 pm Registration (if not already registered)

Plenary Session

8:00 am EST  Welcome to the 30th Anniversary of the ISOE Program, 2022 North American ALARA Symposium, Information System on Occupational Exposure with Technical Centers in Paris, Vienna, Tokyo and University of Illinois
John M. Palms, Honorary NATC Board Chair & Brad Boyer, ISOE Bureau Chairperson & RP Director, TVA

8:15 am EST  2022 Challenges for Radiation Protection Regulations and Inspections
U.S. NRC Commissioner (invited)
Tuesday, January 4, 2022 (continued)

9:00 a.m. EST  New Reactor Development & the Changing U.S. Energy Landscape
Kathryn Huff, Acting Assistant Secretary, Office of Nuclear Energy,
U.S. Department of Energy (Invited)

9:30 am EST  Award Presentations (Citations presented by John M Palms, NATC Honorary
Board Chair)
- 2021 World Class ALARA Performance Award
- 2020[?] John M Palms Outstanding Innovation Award
- 2021 Radiation Safety Professional of the Year Award

10:00 am EST  Day 1 Networking Coffee Break (Exhibit Hall)

Senior Management Speakers:

10:20 am EST  New Reactors & New Build Plans
Timothy (Tim) Rausch (Tentative)
Executive Vice President & Chief Nuclear Officer, Tennessee Valley Authority

11:00 a.m. EST  Challenges in Sustaining the Nuclear Fleet
Terry Brown, Site Vice President, Davis Besse Energy Harbor (invited)

12:00 pm EST  Lunch

Session II: Current ALARA Topics at Nuclear Facilities

1:00 pm EST  Reactor Recirculation System Replacement at KKL
Andreas Ritter, Deputy RPM, Switzerland

1:30 pm EST  INPO RP Update
Thomas Roddery, INPO RP Manager (invited)

2:00 pm EST  LaSalle County Recirculation Pump Flow Control Valves ALARA
Operating Experience
John Moser & Joseph Jaegers, Exelon

2:30 pm EST  The Domination of Space Frontier in 2022
Dr. Dennis Chamberland, Principal Investigator, NASA Biomedical Engineering
and Research Lab, Spaceport Integration Office, John F. Kennedy Space Center,
Florida NASA

3:15 pm EST  Networking at Coffee Break (Exhibit Hall)
Tuesday, January 4, 2022 (continued)

3:30 pm EST  Operating Experience "Expert Panel:" What it takes to be an effective RPM
  • Steve Taylor – Championing Change
  • Clayton Stone – Caring about People to Earn Trust
  • Harry Bush – Risk Recognition and Mitigation
  • Jim Dixon – Influencing your SLT
  • John Moser – Senior Leadership Team (STL) -Standing Tall

4:30 pm EST  Vendor Face-to-Face (Group #1)

5:00 pm EST  Adjorn Day 1

6:00 -7:30 pm EST  Vendor Opening Reception & 30th ISOE Anniversary Celebration
  All Attendees Invited to Attend

Wednesday, January 5, 2022

7:00-8:00 am  Continental Breakfast (Exhibit Hall)

Session III: 2021 Dose Reduction Successes, Challenges & Future

8:00 am EST  Laguna Verde Significant Reduction in BWR BRAC Point Dose Rate*
  Juan Jesus Giron, ALARA, Laguna Verde Nuclear Plant, Mexico (invited)

8:30 am EST  NEI ROP and RSTF Updates
  TBA, NEI RP Manager

9:00 am EST  Darlington Major Component Replacement Update*
  Scott Stafford, Darlington ALARA Refurbishment Director, OPG, Canada
  (invited)

9:30 am EST  Browns Ferry ALARA Program Successes & Improvements
  Jason Eggart, RPM, Browns Ferry, TVA (invited)

10:00 am EST  Networking at Coffee Break (Exhibit Hall)

Session IV: Challenges in Radiation Safety

10:30 am EST  Trending Ag-110m in Outage Primary Coolant Using H3D CZT*
  Wei Yi Wang & David Goodman, H3D

11:00 am EST  Radiological Safety and ALARA Aspects of Boreal Plate Analysis
  On Watts Bar Spent Fuel Rack Coupons
  Brad Boyer, TVA RP Director
Wednesday, January 5, 2022 (continued)

Session V: Radiological Work Management at Nuclear Power Plants

11:30 am EST  **BWR Refueling Outage Work Deferral due to the Pandemic**
TBA

11:45 am EST  **PWR Refueling Outage Work Deferral due to the Pandemic**
TBA

12:00 noon EST  **Networking Lunch** (Exhibit Hall)

Session VI: Annual Regulatory Forum
Session Chair: U.S. Nuclear Regulatory Commission, Region III (Steven Orth)

1:30 am EST  **Revision of ANSI Sr. RP Technician Qualifications**
L.A. Blue, BHI

2:00 pm EST  **CNSC RP Regulatory Update**, Ottawa, Canada (TBA, invited)

2:30 pm EST  **U.S. NRC Headquarters’ ALARA Update***
Kevin Hsueh, Chief, Steven Garry, & Michael Smith
Division of Risk Assessment, Radiation Protection and Consequences Branch, Office of Nuclear Reactor Regulation (NRR), U.S. NRC

3:00 pm  **Presentation Recent U.S. NRC ALARA & RP Findings and Observations***
Region I, III & IV Health Physics Inspectors (to be updated)

**U.S. NRC Region I:**
1. Anthony Dimitriadis, Branch Chief
2. Scott Wilson, Senior Health Physicist
3. Elizabeth Andrews, Health Physicist

**U.S. NRC Region III:**
1. Steven Orth, Branch Chief
2. Stephen Bell, Health Physicist
3. John Cassidy, Senior Health Physicist
4. Valerie Myers, Senior Health Physicist

**U.S. NRC Region IV:**
1. Greg Warnick, Branch Chief
2. John O'Donnell, Senior Health Physicist
3. Natasha Greene, Senior Health Physicist
4. Bernadette Baca, Health Physicist
5. Eric Simpson, Health Physicist
6. Dominic Antonangeli, Health Physicist
Wednesday, January 5, 2022 (continued)

3:30 pm EST  NRC Regional Inspectors’ Panel Discussion*

Mike Smith, NRR, Health Physicist
Steven Garry, NRR, Sr. Health Physicist
Anthony Dimitriadis, U.S. NRC, Region I, Branch Chief
Elizabeth Andrews, U.S. NRC, Region I, Health Physicist, Div. of Nuclear Materials Safety
Scott Wilson, U.S. NRC, Region I, Senior Health Physicist, Div. of Nuclear Materials Safety
Steven Orth, U.S. NRC, Region III Branch Chief
John Cassidy, U.S. NRC Region III, Senior Health Physicist
Valerie Myers, U.S. NRC Region III, Sr. Health Physicist
Steven Bell, U.S. NRC Region III, Health Physicist
Gary Warnick, U.S. NRC, Region IV Branch Chief
Natasha Greene, U.S. NRC Region IV, Sr. Health Physicist
John O’Donnell, U.S. NRC Region IV, Health Physicist
Bernadette Baca, Health Physicist
Eric Simpson, Health Physicist
Dominic Antonangeli, Health Physicist

4:30 pm EST  Global Regulatory RP & ALARA Forum Discussions
CNSC, NRC, European regulators TBA

5:00 pm EST  Adjourn Day 2

Thursday, January 6, 2022

7:00-8:00 am  Continental Breakfast (Exhibit Hall)

Session VII: ALARA Program Improvements that Achieve Cost Savings

8:00 am EST  The Shifting Dynamics of Human Space Exploration in 2022 & Beyond
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 EST  ALARA Operating Experience at Salem/Hope Creek
Robert Porter, PS&G CFAM

9:30 am EST  First U.S. Plant-wide Radiation Monitoring System Replacement Experience & Lessons Learned*
David Raye, Cook Nuclear Plant (invited)

10:00 am EST  Coffee Break & Vendor Passport Gifts Drawing (Exhibit Hall)
Thursday, January 6, 2022 (continued)

Session VIII: Fall, 2021 Outage COVID 19 Challenges/RPM Strategies

10:30 am EST  IBEW and Management Partnership in the Arkansas Recovery from INPO Special Focus & NRC Column 4
Brian Irwin, IBEW Arkansas Nuclear One, Business Manager (invited)

11:00 am EST  Restart Status of NPPs in Japan, Advanced FCVS Technology Decommissioning and COVID-19 Measures*
Dr. Tadashi Narabayashi, Laboratory for Advanced Nuclear Energy, Tokyo Institute of Technology

11:30 am EST  ALARA in Repair of Reactor Vessel Flange Surface at Krsko NPP
Borut Breznik, RPM Krsko NPP, Slovenia (invited)

12:00 pm EST  Lunch (Exhibit Hall)

Session IX: International ALARA Highlights

1:30 pm EST  ALARA Operating Experience for Steam Generator Replacement at Angra NPP, Brazil (invited)

2:00 pm EST  2020 Country Dose Highlights in France, UK, Sweden, Japan, Sweden, and USA

Session X: The Future of NPP ALARA Programs

2:30 pm EST  Vogtle New Plant Update
Southern Company (invited)

3:00 pm EST  Conversion of Civil Defense GM Meter to SMART Meters for High School Teachers
Professor Kim Kearfort[spelling?], University of Michigan

3:00 pm EST  2021-2023 ISOE Strategic Plan Overview
Brad Boyer, ISOE Management Board Chairperson & RP Director, TVA

3:30 pm EST  Key ISOE Accomplishments & the 30th ISOE Anniversary Celebration

4:00 pm EST  2021 Symposium Summary & Adjournment Day 3
Note: Region III & IV RPM Meeting will be held from 8:00 am – 3:00 pm on Friday, January 7, 2022 (All Regulators and utility health physicists are welcome to attend.)

The Regional RPM Meetings features neutral ground discussion on Radiation Protection topics with regulatory and utility health physicists. Sixty-seventh regional meeting since 1988 chaired by John Moser, LaSalle County RPM. All attendees and vendors are welcome to attend at no additional costs.

Fleet RP Managers Meetings may be scheduled by fleet CFAMs for Friday afternoon or Saturday, January 8, 2022. Please contact Amy Moeller for further information on this item.

On behalf of the 2022 Technical Program Committee, we thank each of you for attending the first “in-person” major U.S. RP meeting in 3 years! We wish to express our appreciation to the participating vendors for providing the latest information on new ALARA technology and technical services. Please have a safe trip home.

If you have any questions on the draft agenda or wish to provide a paper, please contact Amy Moeller, almoeller88@gmail.com