

Great Salt Lake Chapter and Eastern Idaho Chapter



Great Salt Lake and Eastern Idaho Chapters Host 21st Annual John Horan Symposium

Karen Langley, Great Salt Lake Chapter President

The Great Salt Lake and Eastern Idaho Chapters of the Health Physics Society (HPS) jointly hosted the 21st Annual John Horan Symposium at the University of Utah on 22 April 2017. Approximately 40 attendees again enjoyed a full program of presentations by health physicists, nuclear pharmacists, and students. Presentations started off with a dedication to John Horan presented by Tom Gessell. HPS President-elect Eric Abelquist then presented "Thoughts on Radiation Safety Programs if LNT Hypothesis Is Abandoned." He was followed by:

- Rebecca Case – "Operational Health Physics Challenges: Discovery Through Recovery of a Leaking Transuranic Glovebox at the Materials and Fuels Complex"
- Tony Mason – "Historical Site Assessment (HSA) and the RSSI Process"
- John Matthews – "Update From the Telescope Array"
- Patrick Bragg – "A First-Time Hot Cell Window Replacement at the Idaho National Laboratory's Hot Fuel Examination Facility"
- Joe McDonald – "CT Numbers Compared on Five CT Scanners"
- Jared Frandsen – "⁶⁸Ga Generator for PET Imaging of Neuroendocrine Tumors"
- Michael Holt – "²²³Ra Dichloride (Xofigo)"
- Nathan Smith – "Alternative Calibration/Check Source Materials for Beta/Gamma Instruments"

The annual symposium is dedicated to the late John Horan, a consummate health physicist who passed away in 1999. Born in Chicago and educated at Loyola and Vanderbilt Universities, he was one of the first recipients of a graduate fellowship in health physics. He went on to a distinguished career as a certified health physicist, serving with the U.S. Atomic Energy Commission and its contractors in Idaho and with the International Atomic Energy Agency in Vienna, Austria. He served his profession in key positions, notably as president of the American Academy of Health Physics, as executive officer of the International Radiation Protection Association, and as president of the HPS. In addition, John Horan was a beloved mentor to many health physicists.

North Central Chapter



North Central Chapter Spring Technical Meeting

Bindu Timilsina, NCCHPS Councilor

The spring 2017 meeting of the North Central Chapter of the Health Physics Society (NCCHPS) was held 7 April at the Best Western Plus Inn Towner in Madison, Wisconsin. NCCHPS President-elect David Paulu welcomed everyone and introduced the vendors, sponsors, and technical presenters. There were 40 participants, 6 technical presentations, and 8 affiliate members at the meeting.



Jayeesh Bakshi

Jayeesh Bakshi, from Radium Incorporated, was the first speaker. In "Clear-View Radiation Shield Performance and Testing" he talked about how Clear-View Radiation Shielding™ can be an alternative to lead, the current standard choice for high-energy radiation shielding. Potential applications for this shielding technology include spent fuel storage, core refueling shielding in nuclear plants, interventional radiology, fluoroscopy, laboratory experiments, and radiopharmaceutical shielding.



Jeffery Brunette

Jeffery Brunette, CHP, from Mayo Clinic, spoke with the group about how enterprise-wide radioactive material transportation training was developed at the Mayo Clinic in Rochester, Minnesota. Implementation of this training saved travel time, added convenience and flexibility for taking training, and facilitated centralized training documentation and record keeping.



Dan Shannon

Dan Shannon, from Kewaunee Nuclear Power Station, gave two presentations. "Preparing for the SAFSTOR Method for Decommissioning at the Kewaunee Power Station" summarized the challenges faced in areas of the plant, programs, and personnel while preparing the plant for decommissioning. "Emergency Plan Dose Assessment at Decommissioned Nuclear Plant" described the dose-assessment method, potential radiological impact analysis, and dose-calculation requirements for the Kewaunee plant emergency plan.

Following lunch was the chapter business meeting led by President Jan Braun. Newly elected officers were announced: President-elect Jon Haas, Secretary/Treasurer Jess Gillis, and Councilors Susan McClanahan and Dan Miron. Current Secretary/Treasurer Mike Lewandowski briefed the group about the chapter membership, financials, and purchase of replacement sources for the chapter's radiation instrument kit. The kit is a great way to teach students about radiation basics. However, the greatest challenge has been reaching out to schoolteachers to let them know about the kit and other resources. The attendees discussed science-teacher outreach through participation and interaction at science-teacher meetings.



Dustin Miller

In the first presentation of the afternoon, Dustin Miller, CHP, from Chase Environmental Group, educated the attendees on "Decommissioning Case Study: RDS-112 PET Cyclotron." He presented the different phases, scope, and challenges of cyclotron decommissioning, including developing a work plan, dismantling the system, removing activated concrete, disposing of the radioactive waste, performing a final release survey, and restoring the space for new occupancy.



**Mike
Lewandowski**

The final speaker of the day was Mike Lewandowski, CHP, from 3M Company, speaking on "Challenges and Solutions for EMF Hazard Evaluation." Lewandowski suggested that one of the approaches for addressing the challenges might be to create a radiofrequency (RF) safety program to document the selected guidance criteria, identify the RF sources, evaluate hazards through measurements or calculations, provide awareness training and signage, and follow manufacturer guidance as applicable. In addition, building a network with people who face RF protection challenges to share experiences and instrumentation may also help.

Photos courtesy of Bindu Timilsina

Virginia Chapter



Tanya Palmateer Oxenberg, PhD, VCHPS President-elect

The Virginia Chapter of the Health Physics Society (VCHPS) had two speakers at its fall meeting at the SURA Residence Facility at the Jefferson Lab in Newport News on 4 November 2016. Maya Keller, CHP, led a certified health physicist (CHP) exam-preparation session before the business meeting and dinner.

The first speaker, Paul Kiley, clinical coordinator in nuclear medicine at Virginia Commonwealth University, presented "Communicating Radiation Risks to Medical Imaging Patients." Riley described the need for health care providers to have accurate knowledge of radiation exposure and cancer risks from radiologic procedures. He discussed the various tools and information available