



SPRING - SUMMER 2017 NEWSLETTER

This issue of the Institute of Nuclear Materials Management **Northeast Regional Chapter** e-newsletter includes an announcement for the Annual Membership Meeting. By virtue of your geographical location, you are automatically included in the Northeast Chapter membership and electronic newsletter distribution. Please go to our web site for Chapter related information: http://www.inmm.org/Northeast_Chapter.htm.

ANNUAL CHAPTER MEMBERSHIP MEETING

July 19, 2017 at 6:00 PM

INMM Annual Meeting in Indian Wells, CA

Location TBD

ANNUAL SOCIAL MIXER

July 19, 2017 at 7:00 PM

INMM Annual Meeting in Indian Wells, CA

Location TBD

Both Locations will be posted on the Message Board located near the Registration Desk.

2016-2017 EXECUTIVE COMMITTEE

President: Arden Dougan – arden.dougan@gmail.com

Vice President: Katherine Bachner – katherinebachner@yahoo.com

Secretary: Charlie Harmon – charlieharmon@mindspring.com

Treasurer: Gerry Jackson – gerard.jackson@nrc.gov

Members at Large

Ken Sanders – monrovia4@comcast.net

Meghan Wool – meghan.wool@gmail.com

Steve Mladineo – sv.mladineo@pnnl.gov

Lis Toler – toler@bnl.gov

Past President: Joe Rivers – dreamquest.gsd@verizon.net

The Northeast Chapter continues to conduct monthly Executive Council Meetings via teleconference. The approved minutes from the latest meeting are posted to the Chapter Web Site.

NORTHEAST REGIONAL CHAPTER RECENT ACTIVITIES

IAEA Nuclear Security Conference (12/04-09/2016):

Joe Rivers and Ken Sanders both participated in the proceedings and indicated it was a very positive event with approximately 2000 people involved, about 100 from DOE. INMM sponsored a booth at the conference, which was well attended.

INMM TPC/EC/Strategic Planning Meeting:

Steve Mladineo and, Joe Rivers and attended the meeting of INMM's Technical Program Committee (TPC), Executive Committee (EC), and Strategic Planning Committee held in Austin, TX on February 28th through March 2nd. Arden Dougan gave the Chapter Report by phone. Steve reported that they will be extending the Strategic Plan by one year.

Nuclear Material Management Related Meetings:

Joe Rivers and Gerry Jackson attended the 32nd INMM Spent Fuel Management Seminar to held in Washington, DC on January 10-12,2017.

Joe Rivers and Gerry Jackson attended the NRC Regulatory Information held in Bethesda, MD on March 8-10, 2017.

Chapter Meetings

The Northeast Chapter held its spring lunch meeting at George Washington University's Elliott School of International Affairs on April 13th, 2016, with Dr. Page Stoutland, Nuclear Threat Initiative's Vice President for Scientific and Technical Affairs, as the guest speaker His presentation was on "Outpacing Cyber Threats: Priorities for Cybersecurity at Nuclear Facilities". Dr. Stoutland emphasized that cyber-attacks are increasing every year. In addition to the cyberattacks on US Government facilities, nuclear facilities in South Korea and Germany have been subjected to cyberattacks. In addition to the Stuxnet Worm that halted centrifuges in Iran, a cyberattack on a German Steel Mill in 2014 resulted in significant damage to one of their blast furnaces. A timeline of events from 2010 through 2016 reveals several cyber events at nuclear facilities, including Natanz Fuel Enrichment Facility, Oak Ridge National laboratories, Susquehanna NPP, Gundremmingen NPP in Germany, Korea Hydro and Nuclear Power Company, and Japan's Monju NPP, Nuclear Material Control Center and University of Toyama Hydrogen Isotope Research Center. These attacks can compromise digital systems associated with Physical Protection, Control and Accounting, Safety and Operations, Communications and Control and Databases and Design Information upon which nuclear facilities depend. Existing defenses were designed for yesterday's untargeted threat. Today's threat requires a new strategy that institutionalizes cybersecurity, reduces complexities, mounts an active defense and develops new approaches for cyber-physical systems. We must also be cognizant that nuclear weapons and related systems are not immune to cyberattacks. One potential scenario involves a cyberattack that spoofs an incoming nuclear attack, requiring us to determine if it is real or not and whether to retaliate now or wait. In summary, the nexus of increased digitization, system complexity and more capable adversaries creates a dangerous mix requiring a new strategy to get ahead of the cyber threat to nuclear facilities and nuclear weapons. The risk to nuclear systems is global

Student Paper Contest:

Sarah Sarnoski from the Penn /Sate Student Chapter was selected as be the winner of North East Regional Student Paper Competition and will receive \$1000 in financial support for her attendance at the 2017 INMM Annual Meeting in Indian Wels, CA.

NORTHEAST REGIONAL CHAPTER PLANNED ACTIVITIES

The NE Chapter plans to hold two events in the Fall of 2017:

- Another lunch time meeting to continue the Nuclear Policy Talk series. We will coordinate with the Elliott School to determine an appropriate subject and speaker for this meeting.
- A Vulnerability Assessment Tools Workshop as a follow-on to the workshop held in Boston earlier this year. We will advertise this event as soon as the organizing committee announces their plans.

Please don't hesitate to contact any member of the Executive Committee if you have questions regarding the Northeast Regional Chapter. Also, please take a minute to review your INMM Profile in the Members Section of the INMM Web Site (www.inmm.org). If you are working in the Northeast region, whether permanently or on a temporary assignment, you are automatically assigned to the NE Chapter (except Student Chapter Members). If your profile is not coded for the NE Chapter, you will not receive our mailings.

Respectfully Submitted: Charlie Harmon, NE Chapter Secretary