

NCCHPS

Northern California Chapter-Health Physics Society
November 2013 - January 2014



The NCCHPS November 2013 Meeting



Thursday
November 21, 2013
Francesco's
Restaurant,
Oakland
6 pm Social
7 pm Dinner
8 pm Presentation

Deployment of Environmental Continuous Air Monitors (ECAMs) for Radiological Monitoring of the 2011 Mars Science Laboratory Launch

Abstract: The Kennedy Space Center (KSC) Radiological Contingency Plan (RCP) serves to prepare response agencies for the unlikely event of an accidental atmospheric release of radioactive material from a launch anomaly involving a Radioisotope Power System (RPS). In this presentation a new technological improvement in the RCP for the 2011 Mars Science Laboratory (MSL) mission is reviewed. To improve the ability to detect a potential radiological release and make timely emergency response decisions, NASA deployed a network of automated radiological air samplers to supplement the traditional field team sampling. A network of 30 ECAMs provided near real-time radiological air concentration measurements to the KSC's Radiological Control Center (RADCC) as well as to DOE's National Atmospheric Release Advisory Center (NARAC) at Livermore.



About the Speaker: Steven G. Homann, MS, CHP. Steve is a health physicist at LLNL, with more than 35 years of experience in emergency response, accelerator shielding design, CR39 neutron dosimetry, and software development. He is the author of the HotSpot Health Physics Codes and EPIcode chemical dispersion model. He is currently the senior health physicist at the National Atmospheric Release Advisory Center (NARAC) at LLNL. He earned a BA in Physics from Valparaiso University in 1973 and an MS in Health Physics from the University of Michigan in 1975. Steve provided health physics support to many of NASA's missions involving radioisotope power systems (Galileo/Jupiter, Ulysses/Heliosphere, Cassini/Saturn) and was the DOE Senior Science Advisor for Radiological Contingency planning for the New Horizons mission to Pluto and the recent Mars Science Laboratory mission.



The January NCCHPS Meeting will be held

Thursday, January 16, 2014

6 pm Social

7 pm Dinner

8 pm Presentation

Stay tuned to ncchps@gmail.com

for dinner meeting location and presentation details.



A RSO's *Dream* Come True

- Increase dosimetry compliance
- Dose information captured daily
- Lower dose for high risk employees

- Automatic reads by iPhone®, iPad®, or PC
- Eliminate badge collection and distribution
- Lower total cost of use

Mirion Technologies Dosimetry Services Division is the first name in dosimetry service innovation.

The *instadose*® 2 dosimetry system revolutionizes the way RSOs manage their radiation monitoring programs.

From automatic dose reads captured by iPhones, iPads, or PCs; to high dose notification alerts and online badge reassignments - this system simplifies the administration of any radiation monitoring program.

To experience this new system call us today at: **800-251-3331**



MIRION
TECHNOLOGIES
Dosimetry Services
Division

iPad and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.

<https://dosimetry.mirion.com>



Nuclear Power Radiation Safety: Learning From the Past to Protect the Future

You are invited to the 47th Midyear Topical Meeting of the Health Physics Society in Baton Rouge River Center Convention Center, Louisiana, 9–12 February 2014.

From old to new, the avant garde to the antebellum, everything uniquely Louisiana culminates in the "Red Stick." Dive into

the colorful history of Louisiana politics or take your taste buds on the ultimate culinary ride and unlock the secrets of Louisiana's distinct cuisine in Baton Rouge.

The Professional Development School, *Radiation Safety in Medicine*, will be held 12–15 February 2014 at the Lod Cook Alumni Hotel/Conference Center at Louisiana State University in Baton Rouge, LA. Online registration will be on the HPS website by early November. The cost for the school is \$600.

<p><i>Upcoming NCCHPS Meetings...</i></p> <p>November 21, 2013</p> <p>January 16, 2014</p> <p>March 20, 2014</p> <p>May 15, 2014 Affiliate Night</p> <p>Mailing Address: NCCHPS 4435 First Street #141 Livermore, CA 94550</p> <p>Email: ncchps@gmail.com</p> <p>Website: http://hpschapters.org/ncchps/</p> <p>Newsletter Editor: Warren TenBrook warren@tenbrook.org 925-423-1470</p> <p>Affiliate Liason: Nelson Chiu ncchpsaffiliatecontact@gmail.com (414) 559-5586</p>	<p><u>The Next NCCHPS Meeting!</u></p> <p>Thursday, November 21, 2013 Francesco's Restaurant (Century Room). 8520 Pardee Drive at Hegenberger Road, Oakland, CA 94621 (510-569-0653)</p> <p>Boccocino de Pollo - Boneless chicken with Italian sausage and seasoned bread stuffing topped with Mushroom sauce</p> <p>Broiled Fresh Fillet of Tilapia</p> <p>Eggplant Parmegiana</p> <p>Entrees will be served a Mixed Green Salad Fresh Vegetable Mostaccioli with Napolitana Sauce (Family Style) Herb Sourdough Rolls</p> <p>Dessert: French Vanilla Ice Cream</p> <p>Coffee or Tea</p> <p>Cost (add \$1 surcharge for credit card): Members \$30 (\$35 @ door) Guests \$35 Students \$10 Non-members \$40</p> <p>Deadline: Please register by Thursday November 14, 2014</p> <p>http://hpschapters.org/ncchps/dinner.php3</p> <p>Cancellations are not accepted after the RSVP deadline.</p> <p>Only online registrations will be accepted. Contact jimdezetter@berkeley.edu ONLY if you encounter problems with online registration.</p>	<p><u>2013-2014 NCCHPS Board Members:</u></p> <p>President Jon Dillon dillon10@lInl.gov (925) 423-6167</p> <p>President-Elect Greg Jones, jones88@lInl.gov 925-423-9875</p> <p>Past President Jack Topper (925) 423-8082 topper1@lInl.gov</p> <p>Secretary Kaitlin Engel, kmengel@lbl.gov 510-486-5827</p> <p>Treasurer Melissa Mannion MCmannion@lbl.gov (510) 486-4423</p> <p>Member-at-Large Jim DeZetter, jimdezetter@berkeley.edu 510-643-8765</p> <p>Member-at-Large Kaylie Thompson thompson130@lInl.gov (925) 422-6846</p>
---	--	--