

NCCHPS

Northern California Chapter-Health Physics Society
September 2015



The NCCHPS September 2015 Dinner Meeting

Thursday, September 17, 2015

6 pm social, 7 pm dinner, 8 pm presentation

Redwood Canyon Golf Course

Castro Valley, CA



Atmospheric Dispersion Modeling of the February 2014 Waste Isolation Pilot Plant Release

Tom Piggott

Lawrence Livermore National Laboratory

Summary: In February 2014, the Waste Isolation Pilot Plant (WIPP) in New Mexico detected a release of radioactivity from an underground storage site and subsequent atmospheric release. The atmospheric dispersion and deposition of the released radioactivity were simulated by the National Atmospheric Release Advisory Center (NARAC) at Lawrence Livermore National Laboratory (LLNL) using WIPP-measured radioactivity release rates and time-varying 3-D atmospheric dispersion and deposition models.

2016 Health Physics Society Midyear Meeting



The 2016 Midyear Meeting will be held in beautiful Austin, TX; a city known for its live music, restaurant scene and arts culture. As always, we expect to have excellent technical presentations and will be continuing the new format adopted at the 2015 midyear meeting in Norfolk.

We will not be limiting the topics and are instead soliciting presentations related to the full spectrum of radiation protection specialties. If the format, venue or timing of the annual meetings do not work for you, this is your opportunity. Everyone is welcome and radiation protection technologists or operational health physicists are especially encouraged to present at, and attend, this meeting.

The deadline for submitting abstracts is 7 September 2015. Full presentations/posters can be submitted later. Submit your abstract (including special session abstracts) through the HPS website <http://hpschapters.org/2016midyear/abstracts>

Submittal & presentation guidelines can be found at <http://hps.org/meetings/>

Book your room reservation at the Renaissance Austin Hotel. HPS Group Rates start at \$169 per night. <http://www.marriott.com/hotels/travel/aussh-renaissance-austin-hotel/>

President's Message

I hope everyone had a pleasant and restful summer. Our next chapter meeting is Thursday Sept 17th in Castro Valley.

In case you missed our May meeting when the election results were announced, please welcome the following new members to the NCCHPS Board of Directors:

Lydia Tai	President –Elect
Craig Maxwell	Member at Large
Maranda Cimeno	Secretary

Claire Vandevoorde (Member at Large) and Melisa Mannion (Treasurer) are continuing on in the second year of their terms. As announced last Spring, Jon Dillon (Past President) and Greg Jones (President) have agreed to serve another year to fill the vacancy left by Jim Tarpinian.

Sadly, the chapter's August family baseball game and tailgate activity had to be cancelled due to low interest. With so many summer activities going on, we will try for a different time next year – maybe in June or July.

The board is committed to providing high quality speakers and venues to facilitate strong networking opportunities among our members. New this year, we will be expanding our meeting locations. Craig Maxwell has been finding locations and developing a rotation schedule that balance the distances our members must travel. The September meeting will be in Castro Valley. The November meeting (Nov 19th) will be held somewhere on the SF Peninsula - we are looking at the Varian campus as a possible location – details to follow as they firm up. The board welcomes suggestions to enhance our meetings.

Please consider bringing a colleague or friend our chapter meetings. Our attendance has been averaging about 50+ people at recent meetings. We encourage folks to take candid photos during the meetings that we can submit for our webpage and future newsletters.










Cheers!

Greg Jones
NCCHPS, President

Nuclear Regulatory Commission Receives 10 CFR 20 Rulemaking Petition on Linear No-Threshold Model

The U.S. Nuclear Regulatory Commission (NRC) received three petitions for rulemaking (PRM) requesting that the NRC amend its “Standards for Protection Against Radiation” regulations and change the basis of those regulations from the Linear No-Threshold (LNT) model of radiation protection to the radiation hormesis model. The radiation hormesis model provides that exposure of the human body to low levels of ionizing radiation is beneficial and protects the human body against deleterious effects of high levels of radiation. Whereas, the LNT model provides that radiation is always considered harmful, there is no safety threshold, and biological damage caused by ionizing radiation (essentially the cancer risk) is directly proportional to the amount of radiation exposure to the human body (response linearity).

The petitions were submitted by Carol S. Marcus, Mark L. Miller, and Mohan Doss. More information about the petition(s) is posted at regulations.gov, docket NRC-2015-0057, and comments may be submitted until November 19, 2015.



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<p><i>Upcoming NCCHPS Meetings...</i></p> <p>September 17, 2015 Redwood Canyon Golf Course</p> <p>November 19, 2015</p> <p>January 21, 2016</p> <p>March 17, 2016 HPS President-Elect Visit</p> <p>May 19, 2016 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 Liaison: Nelson Chiu ncchpsaffiliatecontact@gmail.com (414) 559-5586</p>	<p><u>The Next NCCHPS Meeting!</u></p> <p>Thursday, September 17, 2015 6 pm social, 7 pm dinner, 8 pm presentation</p> <p>Redwood Canyon Golf Course 17007 Redwood Road Castro Valley, CA 94546 510-537-8001</p> <p>The buffet dinner will feature: A mixed-greens salad Wild rice Seasonal vegetables Choice of entrée: Chicken chardonnay Lemon thyme crusted salmon Eggplant parmesan pasta Dessert: Brownies, cookies, mini turnovers Coffee</p> <p>Register by September 7th, 2015: http://hpschapters.org/ncchps/dinner.php3</p> <p>NCCHPS members \$30 (\$35 @ door) Guests \$35 Students \$10 Non-members \$40</p> <p>Contact craig.maxwell56@outlook.com</p> <p>ONLY if you encounter problems attempting to register online.</p>	<p><u>2015-2016 NCCHPS Board Members:</u></p> <p>President Greg Jones jones88@llnl.gov (925) 423-9875</p> <p>President-Elect Lydia Tai Tai4@llnl.gov (925) 422-0475</p> <p>Past President Jon Dillon dillon10@llnl.gov (925) 423-6167</p> <p>Secretary Maranda Cimenio mcimenio@slac.stanford.edu (650) 926-7978</p> <p>Treasurer Melissa Mannion MCMannion@lbl.gov (510) 486-4423</p> <p>Member-at-Large Claire Vandevoorde cvandevoorde@illumina.com (650) 293-7329</p> <p>Member-at-Large Craig Maxwell Craig.maxwell56@outlook.com (415) 264-2983</p>
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