

NCCHPS

Northern California Chapter-Health Physics Society

March 2018



The NCCHPS March 2018 Dinner Meeting

Thursday, March 15, 2018

Fairview Metropolitan at Metropolitan Golf Links, Oakland

6 pm Social – No host / 7 pm Dinner / 8 pm Announcements and Technical Presentation



Doses to Members of the Public from I-131 Patient Release

The US Nuclear Regulatory Commission tasked the Center for Radiation Protection Knowledge at Oak Ridge National Laboratory to perform calculations of doses that may result from exposure to patients who had been administered I-131. The main purpose was to compare the results of dose calculations performed under the simplifying assumptions currently used with those performed without such assumptions, using more realistic irradiation geometries. Tissue attenuation using anthropomorphic phantoms and iodine biokinetics were considered in the patient in an effort to improve external dose estimates compared to the point source/target method. The external dose rate estimates were derived using Monte Carlo methods and the PIMAL phantom previously developed by Oak Ridge National Laboratory for the US-NRC. In addition, an internal pathway dose scenario was developed to estimate doses due to a housekeeper in a hotel due to uptake of I-131 from contaminated surfaces and air.

About the Speaker



Dr. Nolan Hertel is a Professor Nuclear and Radiological Engineering at Georgia Institute of Technology.

Hertel has been a member of HPS since 1981 and has served the society through his participation on the board of directors and on various Society committees. In 2016 the society presented Hertel the HPS Distinguished Scientific Achievement Award, recognizing his contributions to the scientific field of radiation safety and for his accomplishments regarding the practice and advancement of the profession of health physics.

Hertel earned his B S and MS degrees in Nuclear Engineering from Texas A&M University and his PhD from the University of Illinois at Urbana-Champaign. He previously served as a faculty member at the University of Texas at Austin. In 1993, he moved to the Georgia Institute of Technology to join what was then the Nuclear Engineering and Health Physics Program.

While at Georgia Tech he has held numerous positions including Chair of the Health Physics and Radiological Engineering Research Group, Radiological Safety Officer, Director of the Neely Research Center, and Research Fellow of the Sam Nunn Security Program of the Georgia Tech School of International Affairs.

Currently in addition to his faculty position, he holds a joint faculty appointment in the Environmental Sciences Division at Oak Ridge National Laboratory and currently is the Acting Director of their Center for Radiation Protection Knowledge.



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2018-2019 NCCHPS Board Nominations



NCCHPS is one of the most vital chapters of the Society in the nation. Be part of our efforts by becoming an officer! Nominations for President-Elect and other board positions are open. Contact ncchps@gmail.com or a nominating committee member for more information.

Also, the chapter is seeking a new Affiliate Liaison. This non-Board position plays a key role arranging for support of the chapter by our Affiliate sponsors, helping them reach the chapter membership through the newsletter, meeting sponsorship, and other means. Contact Nelson Chiu for more information about this opportunity: ncchpsaffiliatecontact@gmail.com.



63rd Annual Meeting 15–19 July 2018 Huntington Convention Center Cleveland, Ohio

The vibrant lakeside city of
Cleveland is an eclectic mix of

nationally recognized chefs, a 100-year-old public market, an incredible live-music scene, and more than 30,000 acres of parkland. Not to mention, Cleveland is home to the Rock and Roll Hall of Fame, world-renowned arts and cultural institutions such as the Cleveland Museum of Art and the Cleveland Orchestra, and the nation's second-largest performing arts district. There is nearly \$3 billion in visitor-related infrastructure development happening in Cleveland right now. Part of this unprecedented growth includes a new convention center, the Horseshoe Casino Cleveland, multiple hotel projects, and more. Learn more on the [This Is Cleveland website](#).

Check out the HPS hotels and make your reservations now. For discounted hotel rates at the Hilton Cleveland headquarters hotel, [click here](#). The Westin Cleveland Downtown is the overflow hotel.



The Applicability of Radiation Response-Models to Low Dose Protection Standards conference will provide an international forum for the discussion of current regulations and standards regarding low dose protection. The conference, co-sponsored by the American Nuclear Society and Health Physics Society, will be held September 30 through October 3, 2018, in Pasco, Washington.

You are invited to submit an abstract now at you may visit <http://www.lowdoserad.org> for additional information and to register for this conference.



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Burton Moyer Fellowship Committee Update



Northern California Chapter of the Health Physics Society (NCCHPS) Board of Directors voted to increase its annual contribution to the Burton J. Moyer Memorial Fellowship from \$5,000 to \$5,500, starting in 2018, to keep with the increasing cost of college education. We hope the HPS will consider matching the NCCHPS contribution, thus elevating the 2018/2019 Burton J. Moyer Fellowship stipend to \$11,000.

NCCHPS established the Burton J. Moyer Memorial Fellowship (BJMMF) in 1985 and has provided financial support for the Fellowship every year since then. We are aware that the cost of higher education has increased dramatically in the past years and hope that the increased value of the Fellowship will serve to attract high-quality students to the profession of health physics and mitigate some of their educational expenses.

As a founder and supporter of the Burton J. Moyer Memorial Fellowship, NCCHPS participates in the selection of the BJMMF recipient. The HPS's Academic Education Committee provides NCCHPS with the application packets of the top BJMMF Award candidates in late March-April time frame. NCCHPS's BJMM Fellowship Committee reviews the applications and makes a recommendation to the AEC as to the award recipient. NCCHPS members who would like to participate in the review, ranking and selection of the BJMMF Award recipient should contact any member of NCCHPS Burton J. Moyer Fellowship Committee: Radoslav Radev, Chad Hopponen, and Kathy Shingleton.

We appreciate your donations to BJMMF Fund in any amount, no matter how small; the donations are tax deductible.

Checks payable to NCCHPS may be sent to our treasurer, with the notation "For the Moyer Fund" or you can contribute when you pay for your dinner meeting with one combined check. You may indicate if you wish your donation to remain anonymous.

We'd like to thank those who contribute regularly to the BJMMF—your contributions over the years have really made a difference!

NCCHPS Burton J. Moyer Fellowship Committee

<p><i>Upcoming NCCHPS Meetings...</i></p> <p>March 15, 2018 HPS President Elect</p> <p>May 17, 2018 Affiliates 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, March 15, 2018</p> <p>6 pm no-host meet-and-greet 7 pm dinner 8 pm presentation</p> <p>Fairview Metropolitan Events at Metropolitan Golf Links 10051 Doolittle Drive Oakland, CA 94603 https://www.fairviewevents.com/metropolitan/info-metro</p> <p><u>Dinner buffet:</u> Baby Field Greens salad Traditional Caesar Salad Tri-tip marinated in red wine sauce Pan seared tilapia with lemon and herbs Garlic mashed potatoes Penne pasta salad Broccoli salad Panzanella salad Roasted vegetables Dinner rolls Chef's choice dessert Cash Bar</p> <p>Register by Midnight, Monday, March 5 at the link below: http://hpschapters.org/ncchps/docs/pages/meetings.html</p> <p>NCCHPS members \$30 (\$35 @ door) NCCHPS guests \$35 Students \$10 Non-members \$40</p> <p>Only online registrations accepted.</p> <p>Contact Member-at-Large Heather Byrnes ONLY if you encounter difficulties using the form: byrnes7@llnl.gov</p> <p>Please note that in order to avoid unnecessary costs to the Chapter, you may be charged for no-shows. Cancellations may not be made after the RSVP deadline.</p>	<p><u>2017-2018 NCCHPS Board Members:</u></p> <p>President Ibrahim Ozcan iozcan@lbl.gov (510) 495-2842</p> <p>President-Elect Maranda Cimen Genentech, Inc. cimeno.maranda@gene.com</p> <p>Past President Lydia Tai Tai4@llnl.gov (925) 422-0475</p> <p>Secretary Dan Hibbing (510) 643-9242 dhibbing@berkeley.edu</p> <p>Treasurer Chad Hopponen hoppyinhi@gmail.com (925) 422-7128</p> <p>Member-at-Large Paul Swearingen swearingen.paul@gene.com (650) 255-3088 (work)</p> <p>Member-at-Large Heather Byrnes (925) 422-1790 byrnes7@llnl.gov</p>
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