

NCCHPS

Northern California Chapter-Health Physics Society

March 2019



NCCHPS March 2019

Meeting

Thursday, March 21, 2019

**Trader Vic's Restaurant,
Emeryville**

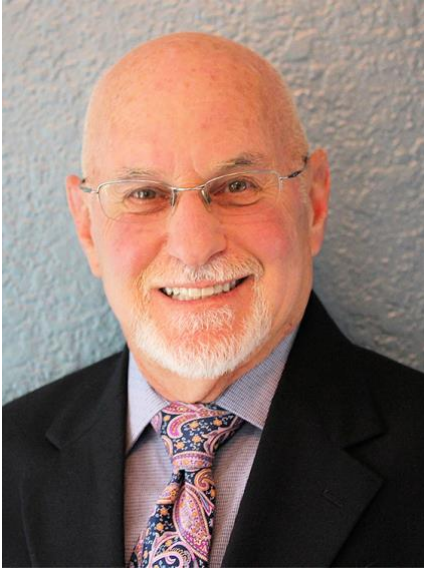


Nuclear Plant Decommissioning – Challenges and Opportunities OR How to spend a health physics career transitioning from operations through decommissioning

Many US nuclear power plants are preparing for retirement due to aging and market forces. Some ceased operations in recent years, some retired decades ago. Commercial nuclear power plant decommissioning presents many challenges for radiation safety professionals, many of these challenges are not typical for operating power plants. Radiation protection controls apply to everything from the cutup of highly activated reactor internals to the measurement of environmental levels of radionuclides in soil. This presentation will provide a brief overview of

- plant operations, followed by shutdown – modification of programs, staff reductions
- reactor internals cutup, large component removal – high activity, particles, transportation
- dismantlement – materials management and site restoration
- used fuel management, ISFSI loading – neutrons, decontamination
- MARSSIM surveys – scrutiny, license termination

All of the above require comprehensive radiation safety program execution, some operational programs are retained, some revised, and some new ones are necessary, all to be accomplished during staffing reductions, responsibility shifts, and regulatory and public oversight



About the Speaker

Eric M. Goldin is radiation safety specialist with 35 years of experience in power reactor health physics. He earned a BS in Nuclear Engineering from The University of Arizona and an MS in Nuclear Engineering/Health Physics from Texas A&M University. He completed a PhD in Biomedical Sciences at the University of Texas Graduate School of Biomedical Sciences, Houston. Dr. Goldin has been a member of NCRP Program Area Committee 2 since 2004, participating in report writing for Scientific Committees 46-17, 2-4, 2-5, and 2-7. He is an active member of the Health Physics Society (HPS), served on the Board of Directors, several committees and sections, and on the American Board of Health Physics (ABHP).

Dr. Goldin has been certified by the ABHP since 1984 and was awarded HPS Fellow status in 2012. Dr. Goldin's radiological engineering experience includes ALARA (as low as reasonably achievable) programs, instrumentation, radioactive waste management, emergency planning, dosimetry, decommissioning, licensing, effluents, and environmental monitoring. In addition, he taught graduate/upper division level courses in radiation biology, radiological assessment, and power reactor health physics at San Diego State University for over 20 years and assisted in the development and implementation of a Radiation Protection Technician training program at MiraCosta College. Dr. Goldin retired from Southern California Edison in 2012 and currently provides technical support and decommissioning planning to the San Onofre Nuclear Generating Station.

Tour of the LBNL Advanced Light Source

NCCHPS is arranging an educational tour to one of the forefronts of X-ray facilities: The Advanced Light Source (ALS) at Lawrence Berkeley National Laboratory.

Date and time: 3/21/2019, 4PM-5:30PM

Location: ALS Lobby (an invitation/map will be sent to the visitors)

ALS is a specialized particle accelerator that generates bright beams of x-ray light for scientific research. Electron bunches travel at nearly the speed of light in a circular path, emitting ultraviolet and x-ray light in the process. The light is directed through about 40 beamlines to numerous experimental endstations, where scientists from around the world ("users") can conduct research in a wide variety of fields, including materials science, biology, chemistry, physics, and the environmental sciences.



Please sign in to the visitor log on or before 3/7/2019:

https://docs.google.com/forms/d/e/1FAIpQLSfo_EypBkz8jhLAOiTyfuTSs0gVVXhJcNWztSv5pwDtC70A6g/viewform?usp=sf_link

Thanks,

Ibrahim Ozcan, LBNL
Past President, NCCHPS

President's Message

Members of NCCHPS,

It's that time of the year again - the NCCHPS Board is actively looking for members to volunteer for our Nominating Committee, as well as candidates looking to run for open Board positions. If you're looking for an increased role in this amazing group, consider volunteering for the Nominating Committee or running for election!

At this time, we have two members on our Nominating Committee, but our Bylaws require three. I kindly ask our members to please consider volunteering for this role. The Nominating Committee reaches out to our active membership to find candidates for our open positions. They act as a liaison between the potential candidates and the Board, prior to the ballots being distributed. The time commitment is rather low, wrapping up in April once the candidates have been provided to the Board. If you are a part of the Nominating Committee, you cannot run for a Board position.

We have three positions up for election this year: Member-at-Large, Secretary, and President-elect. Here's a quick description with the roles and responsibilities of each position:

- *Member-at-Large* (2-year term): The first year, you manage the logistics for our dinner meetings (find and book the venue and catering). The second year, you manage the presentation setup at the dinner meetings (computer, projector, and sound for the technical presentation).
- *Secretary* (2-year term): You maintain minutes of board meetings, manage the membership list including renewal of dues payments, organize the annual election, help members check in and make payments at dinner meetings, and provide periodic updates for the HPS monthly newsletter and annual report for the HPS website.
- *President-elect* (3-year term): The President-elect is responsible for securing guest speaker(s) for technical presentations at the meetings, and will provide a short biography, presentation abstract, and introduction for the speaker, as well as obtaining any biographical information and abstract. In the second year, the President will oversee the Board and act as host for each meeting. In the final year, the Past President will sit on the Board, and fill in for roles of other Board members not present.

The NCCHPS is not possible without the commitment of our members, especially those who dedicate their time and serve on the Board. If you are interested in this unique networking opportunity, and a chance to contribute to the organization, please contact me at cimenom@gene.com and I can direct you accordingly.

I look forward to seeing everyone at our meeting on the 21st!

Cheers,

Maranda
NCCHPS President



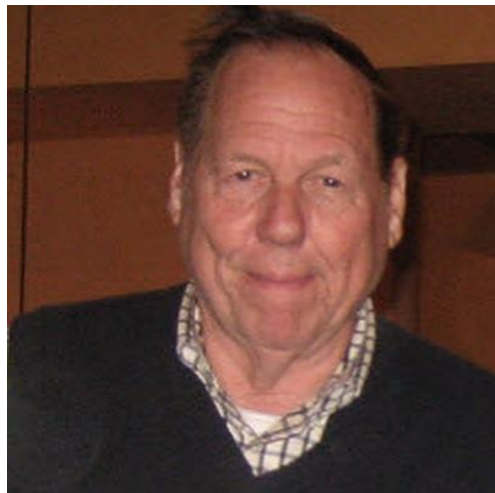
Dues Notices

Introducing the NCCHPS Online Store

All members, Lifetime Members excluded, should have received an email updating them on their status with the Chapter. If you have not received your dues notice, please contact [Dan Hibbing](#) to ensure your information is current in our membership roll.

As requested, NCCHPS now has the ability to take online payments for dues. You may now pay via the [NCCHPS Square Online Store](#), including the ability to pay for multiple years. Please note there is a small service charge to cover the processing fee that Square charges. Alternatively, you can provide payment to any current board member starting with the March 2019 Meeting. If you have any questions please let a board member know so that we can help resolve any issues.

In Memory of Ronald Seefred



Ronald Seefred, who was a lifetime member of NCCHPS, passed away on Jan. 1, 2019.

His family wrote to us that the San Carlos resident had many interests, which included being an amateur HAM radio operator. He retired in 2003 after more than 40 years at SLAC National Accelerator Laboratory in Menlo Park. He enjoyed discussing the fascinating experiments and projects he worked on at SLAC.

While at SLAC he co-authored six radiation physics articles and served as a crewmember of the High Energy Electronics Pool Lab.

Ron continued to frequent NCCHPS meetings, long after retirement. He will be missed.

The following announcement is offered as a service to NCCHPS.
Plexus Scientific is not an NCCHPS Affiliate.



Packaging and Shipping Class 7 (Radioactive) Material Training

This 1-day class is for people responsible for shipping radioactive materials for: research, nuclear medicine, specific and broad scope licensees, portable gauges or sources, and decommissioning sites.

This class is designed to train employees in the requirements of the Dept. of Transportation as specified by 49 CFR 172 Subpart H, the Nuclear Regulatory Commission in 10 CFR 71.5. All HAZMAT employees need to be aware of these regulations for shipping radioactive material!

This class also reviews rules for shipping radioactive materials by air in accordance with ICAO/IATA requirements.

LOCATION

Genentech, Inc.
305 DNA Way, Building 24
South San Francisco, CA 94080

For additional information concerning the location, call 510-676-5412 or 408-391-8346.

KEY DATES

Two sessions are scheduled, May 9 and 10, 2019 from 7:45 am to 5:00 pm. Choose the day you wish to attend.

Course registration closes on April 29, 2019.

FEE

The course fee is \$250 per person. Students are provided with a 350-page manual which includes course materials, a primer on DOT regulations, and other helpful information. Morning breakfast, lunch and afternoon snacks will be provided.

REGISTRATION AND PAYMENT

To register, please contact Plexus Scientific Corporation at 443-979-7231 or email to NSD@plexsci.com. Payment is due upon registration. Payment is refundable if cancellation is received prior to May 2, 2019.

Directions to the site are available online at <https://www.gene.com/contact-us/visit-us/s-san-francisco>. Click "BUILDINGS" to determine the location of Building 24.

<p><i>Upcoming NCCHPS Meetings...</i></p> <p>March 21, 2019 Dr. Eric Goldin HPS President Elect</p> <p>May 16, 2019 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 21, 2019 Social Hour 6 pm Dinner 7 pm Technical Presentation 8 pm</p> <p>Trader Vic's 9 Anchor Drive Emeryville, Ca 94608 Phone: 510-653-3400</p> <p><u>Menu:</u> Mini Avacado Toast Malagasy Beef Skewers Caesar Salad Volcano Shrimp Sweet & Sour Pork Chinese Oven BBQ Chicken Vegetable Chow Mein Garlic Mashed Potatoes Stir-Fried Seasonal Vegetables Steamed Jasmine Rice Coconut Panna Cotta</p> <p>Reserve at the following web link by March 10:</p> <p>https://drive.google.com/open?id=1iKu2yBWZaewU7V7pXcKzIA77x4ABAXaflcQ9MJnXkfo</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 Jesse Hendricks ONLY if you encounter difficulties using the form: jesse.hendricks@gmail.com</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>2018-2019</u> <u>NCCHPS</u> <u>Board Members:</u></p> <p>President-Elect Marcus Balanky CHP, CLSO SLAC mbalanky@slac.stanford.edu</p> <p>President Maranda Cimeno Genentech, Inc. cimeno.maranda@gene.com</p> <p>Past President Ibrahim Ozcan LBLN iozcan@lbl.gov</p> <p>Secretary Dan Hibbing UC Berkeley dhibbing@berkeley.edu</p> <p>Treasurer Taiee Ted Liang SLAC tliang6@slac.stanford.edu</p> <p>Member-at-Large Heather Byrnes LLNL heather.sue.marie@gmail.com</p> <p>Member-at-Large Jesse Hendricks UC Berkeley jesse.hendricks@gmail.com</p>
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