

# NCCCHPS

The Newsletter of the Northern California Chapter of the Health Physics Society  
November 2007



**Thursday, November 15, 2007**  
**Kingfish Restaurant, San Mateo**

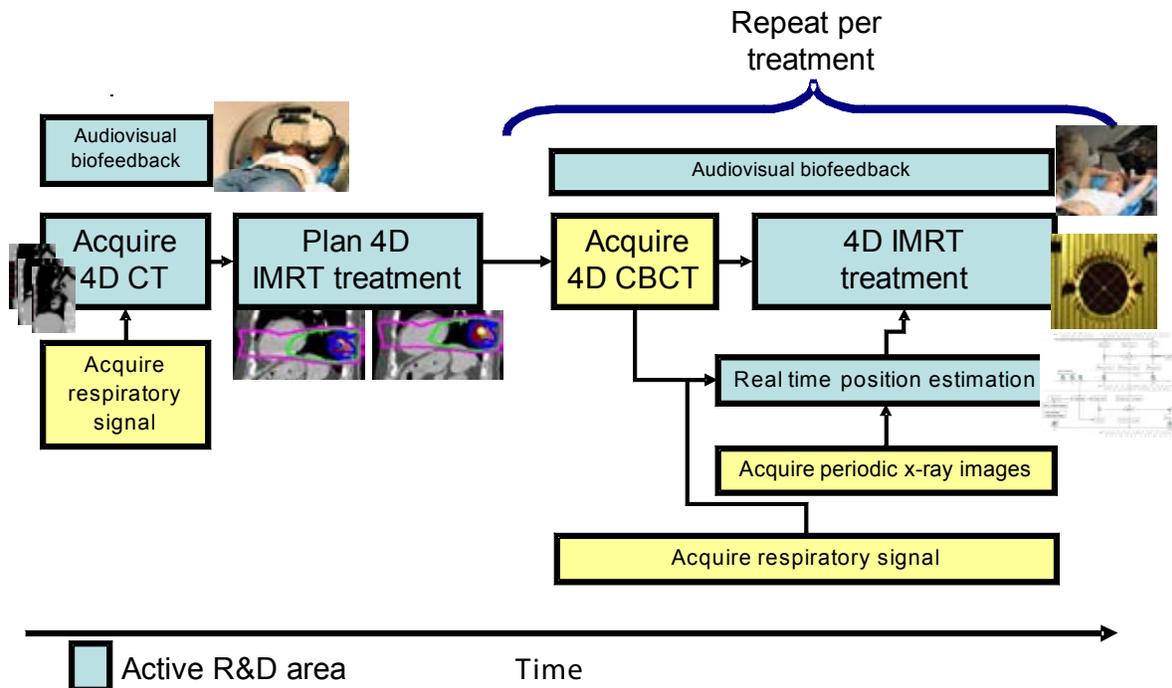
**6 pm-Social Hour**  
**7 pm-Dinner**  
**8 pm-Presentation**

**Speaker: Paul Keall, Ph.D.**



**Title: Managing Respiratory Motion in Radiation Oncology: Strategies for 4D Imaging, Planning and Delivery**

**Abstract:** Respiratory motion challenges our ability to image, plan and deliver radiation accurately to targets that move with time. Managing motion has been a subject of research at many institutions, including Stanford. This talk will focus on aspects of a comprehensive strategy being developed to manage respiratory motion, as shown in the figure:



Several aspects of this work will be described: audiovisual biofeedback, 4D CT imaging, 4D IMRT planning, real-time position estimation and 4D IMRT treatment.

**About the Speaker:** Dr. Keall is Associate Professor in the Department of Radiation Oncology, Stanford University

# NCCCHPS



**Announcing the 16th Annual J. Newell Stannard  
Lecture Series**

*“Excellence in Radiation Protection”*

**Co-hosted by Sierra Nevada Chapter of the HPS  
& NCCCHPS**

**March 28, 2008  
Sacramento, California**

## **Seltech Electronic Manufacturers Representative Inc.**

Seltech Inc is the sales organization representing a number of nuclear measurement manufacturers. Clyde Makinson in Richland Washington and Rick Tomblison in Blackfoot Idaho work as application oriented salesmen with over 70 years of combined experience in the nuclear industry.

Seltech Represents:

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**<http://www.owt.com/seltech>**

- Ludlum Measurements
- Gamma Products – automatic sample changers, counting systems and shields
- HI-Q Environmental Products – air sampling equipments
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- XRF Corp – Hand Held Isotopic Identifier with CdTe detector
- Ordela Inc – alpha scintillation detector and alpha spectrometers
- TSA Systems – SNM monitors and mobile GPS survey systems.
- Bladewerx – alpha spectra, continuous air particulate monitors
- Shieldwerx - Polyethylene-Based Gamma & Neutron Shielding

For additional details, visit our website.

# NCCCHPS



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## NCCCHPS President's Column

### Connected Confident Championed

Are we ready for?

- A nuclear renaissance?
- A 10 kiloton nuclear weapon attack within the state of California?
- Finger printing and criminal background checks?
- First new reactor application in U.S. in nearly 30 years?
- A Midyear meeting in Oakland in January 2008?

These are some of the current issues facing our chapter and our industry today.

Are you connected, confident and championed in your professional career?

NCCCHPS keeps you connected to your professional friends and acquaintances through meetings, announcements, social events and networking opportunities.

Whether it's a social gathering to meet old friends, a quick look at the job market, a new and interesting affiliate announcement, or the presentation of the latest in scientific research, we keep you involved and informed.

Don't you agree that the NCCCHPS has brought you some extraordinary presentations from experts in industry, government and academia? Do you feel confident that you are up on the latest research in your field? Do you agree that keeping your membership active informs you about the latest technical advancements and political discussions?

Do you think that NCCCHPS champions you in your personal and professional relationships to advance your career and your professional standing in your field? With job announcements, course offerings, and connections to national and local professional organizations don't you have the best opportunity to find your own professional advancement potential?

Thanks for joining us at our next meeting on the Peninsula November 15th.

And then it's on to Oakland – Connected; Confident; Championed; ready to show the entire nation what great science we have here in the San Francisco Bay area. And all of it brought to you by the dedicated members, volunteers and affiliates of the NCCCHPS!

Best wishes,

***John Pasinosky, President, NCCCHPS***

# NCCCHPS



## **2008 Professional Development School Registration Begins!**

From Linnea Wahl (lewahl@lbl.gov), Administrative Dean

Registration for the 2008 Health Physics Society (HPS) Professional Development School, "Topics in Accelerator Health Physics," is now open. The registration form is available in the September issue of the HPS newsletter, Health Physics News, and on-line at: <http://www.hps.org/pds2008/PDS2008regform.pdf>

To register, simply print out the on-line form (or use the form in the newsletter), complete the requested information, enclose your registration fees, and mail the form and fees to the HPS. Alternatively, if you're paying by credit card, you can fax the completed form to HPS.

The school will begin January 31 and run through February 2, 2008, at the Oakland Marriott City Center. This is the same location as the 2008 HPS Midyear Topical Meeting, "Radiation-Generating Devices," and the school immediately follows the midyear meeting. The courses offered at the school were chosen to complement the midyear meeting sessions. Details on the school are available on the school website:

<http://www.hps.org/pds2008/>

Please note that registration for the school is separate from registration for the 2008 midyear meeting. The registration form for the midyear meeting will be available in mid-October. Watch for the latest updates at the midyear meeting website: [www.hpschapters.org/2008midyear/registration.html](http://www.hpschapters.org/2008midyear/registration.html)



## **Over 30 years of Health Physics Products and Services**

RSO, Inc. thanks the North California Chapter of the Health Physics Society for being a part of our continued success.

We continue to provide a variety of **Radiation Safety Professional Services**. Areas of consultation include, regulations compliance, new licenses and license amendments; radiation safety program audits, medical physics, radioactive material transportation and disposal.

Our **On-site Services** include; decontamination and license termination services, radioactive materials laboratory surveys, x-ray compliance inspections, package and transport radioactive wastes for disposal.

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# NCCCHPS



## 2008 HPS Midyear Meeting Radiation-Generating Devices

Oakland, California

January 27-30, 2008

The 2008 HPS Midyear Topical Meeting “Radiation-Generating Devices” will be held at the Oakland Marriott Convention Center January 27-30, 2008 (Sunday-Wednesday, sessions start on Monday).

It is co-hosted by the Health Physics Society Northern California Chapter and the HPS Accelerator Section.

Detailed session schedules are now published on the Health Physics Society website. The schedule below gives you a taste for the many topics that will be covered. Visit <http://hpschapters.org/2008midyear/> for the latest information.

### *Monday, January 28, 2008*

<i>MAM-A</i>	<i>8:15-11:45</i>	<i>Jewett Ballroom</i>	<i>Plenary</i>
<i>MPM-A</i>	<i>1:30-5:30</i>	<i>Jewett Ballroom</i>	<i>New Accelerator Facilities</i>
<i>MPM-B</i>	<i>1:30-5:30</i>	<i>Rooms 210-211</i>	<i>Shielding and Shield Codes</i>

### *Tuesday, January 29, 2008*

<i>P</i>	<i>1:15-3:15</i>	<i>Exhibit Hall</i>	<i>Poster Session</i>
<i>TAM-A</i>	<i>8:15-Noon</i>	<i>Jewett Ballroom</i>	<i>Radiation Instrumentation Selection and Calibration</i>
<i>TAM-B</i>	<i>8:15-10:00</i>	<i>Rooms 210-211</i>	<i>Regulatory Legal and Public Concern</i>
<i>TAM-C</i>	<i>10:30-12:30</i>	<i>Rooms 210-211</i>	<i>Environmental and D&amp;D Issues</i>
<i>TPM-A</i>	<i>3:15-5:30</i>	<i>Jewett Ballroom</i>	<i>Homeland Security Human and Cargo Imaging</i>
<i>TPM-B</i>	<i>3:15-5:45</i>	<i>Rooms 210-211</i>	<i>Medical Therapy and Imaging</i>

### *Wednesday, January 30, 2008*

<i>WAM-A</i>	<i>8:00-9:45</i>	<i>Jewett Ballroom</i>	<i>Interlocks and Safety Devices</i>
<i>WAM-B</i>	<i>10:15-12:15</i>	<i>Jewett Ballroom</i>	<i>Radiation Spectroscopy</i>
<i>WAM-C</i>	<i>8:30-11:45</i>	<i>Rooms 210-211</i>	<i>Radiation Dosimetry</i>
<i>WPM-A</i>	<i>1:30-5:30</i>	<i>Jewett Ballroom</i>	<i>Operational Health Physics</i>
<i>WPM-B</i>	<i>1:45-3:15</i>	<i>Rooms 210-211</i>	<i>Industrial Radiation-Generating Machines</i>
<i>WPM-C</i>	<i>3:45-5:30</i>	<i>Rooms 210-211</i>	<i>Health Physics of Research Facilities</i>

# NCCHPS



## 2007-2008 NCCHPS Meeting Dates:

November 15 2007  
Kingfish, San Mateo

January 27 to 30, 2008  
HPS Midyear,  
Marriott Hotel,  
Oakland

January 31-February 2,  
2008  
HPS Professional  
Development School,  
Oakland

March 27, 2008  
Poppy Ridge Golf Course,  
Livermore

March 28, 2008  
J. Newell Stannard Lecture  
Series, co-hosted by Sierra  
Nevada Chapter of the  
HPS, Sacramento

May 15, 2008  
Affiliates Night  
USS Hornet Museum,  
Alameda

Direct input for our next  
newsletter to:

Warren TenBrook  
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NCCHPS  
c/o Warren TenBrook  
P.O. Box 808, L-344  
Livermore, CA 94550

<http://hpschapters.org/ncchps/>

### The Next NCCHPS Meeting!

The November 15, 2007 meeting  
will be at:

Kingfish Restaurant  
201 South B Street  
San Mateo, CA 94401  
[South B St. & 2nd Avenue]  
(650) 343-1226  
<http://kingfish.net>

The dinner selections are:

Kingfish Jambalaya with grilled chick-  
en, andouille sausage, PEI mussels,  
sweet peppers, Creole rice

Pan Roasted King Salmon with creamy  
fava bean risotto, vanilla-honey-mus-  
tard seed vinaigrette

Fettuccine Primavera with extra virgin  
olive oil

**Parking:** There is Valet Parking  
after 6PM for \$7. The parking  
garage across the street is free  
after 6PM (\$0.25 per hour before  
6PM). Metered street parking is  
also available.

**Deadline: Please register by  
November 8th, 2007 !** After  
Deadline, please contact Steven  
N. Bakhtiar at (925) 876 8921 for  
special arrangements.

NCCHPS members - \$25  
(\$30 at the door)  
Members' spouses - \$30  
Students - \$10  
Non-NCCHPS members - \$49

**Register for dinner ONLINE at**

**<http://hpschapters.org/ncchps/dinner.php3>**

**Contact Quang Le ONLY if you encounter problems  
with online registration: [quangles@sbcglobal.net](mailto:quangles@sbcglobal.net),  
(925) 422-7543**