

HEALTH PHYSICS SOCIETY

70th Annual Meeting

Monona Terrace Convention Center
Madison, WI • 13-17 July 2025

Conference Program



RAVIN CAM Specifications:

- >19 cm³ pixelated CZT
- Imaging/Spectroscopy Range: 30 to 662 keV
- Energy Resolution: 1.1% FWHM @ 662 keV
- Minimum Activity for Imaging: 1uCi 140 keV @ 1m
- Dose Rate Range: 1 nSv/hr – 1 mSv/hr @ 140 keV
- Dose Rate Accuracy: ±10% @ 662 keV
- Size 8.7" (H) x 7.9"(W) x 10" (L) / 22 (H) x 20 (W) x25.5 (L) cm
- Weight: 5lbs / 2.3kg
- Operating Temperature: 15-25 °C

Detailed Specifications



RAVIN CAM
by M3D

Case Studies



Contamination survey in a patient bathroom

Using the RAVIN CAM, we swiftly identified ^{99m}Tc contamination, mitigating exposure risks and ensuring a safe environment for both staff and patients.



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Our shielding survey identified critical leakage points, allowing for timely repairs and enhanced protection for medical workers.

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Display of dose rate on LCD screen on RAVIN CAM. Imaging of activity during patient release survey after ¹³¹I radio-ablation.



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HEALTH PHYSICS SOCIETY

Monona Terrace Convention Center • Madison, WI • 13-17 July 2025

Registration Hours and Location

Registration Counter 3

Sunday 13 July

7:00 AM – 4:00 PM

Monday 14 July

7:30 AM – 4:00 PM

Tuesday 15 July

8:00 AM – 3:00 PM

Wednesday 16 July

8:00 AM – 12:00 PM

Exhibit Hours and Location

Exhibit Hall AB

Monday 14 July

10:00 AM – 7:00 PM

Tuesday 15 July

9:30 AM – 5:00 PM

Wednesday 16 July

9:30 AM – 12:00 PM

All events take place at the
Monona Terrace
Convention Center.

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1-2-3 to Cesium Free

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Visit Booth 309 to see how your facility can benefit from X-ray and CIRP incentives. For more information about ORS, contact us at ORSinfo@nnsa.doe.gov.



U.S. DEPARTMENT
of ENERGY



ORS

Office of Radiological Security
Protect - Remove - Reduce

SCHEDULE AT-A-GLANCE

All events at the Monona Terrace Convention Center unless otherwise noted.

Saturday, 22 July	Monday, 14 July	Tuesday, 15 July
Student Orientation 5:30 PM – 6:30 PM Meeting Room P	CEL Courses 7:45 AM – 8:45 AM CEL-1 Ballroom C Considering Radiation Safety Program Image CEL-2 Lecture Hall How To Publish A Scientific Paper CEL-3 Hall of Ideas G/J Preparing for Challenging Health Physics Exams Part 1	CEL Courses 7:00 AM – 8:00 AM CEL-5 Hall of Ideas F/I One Step Closer to Work in a Fluoroscopy Area without a Lead Apron CEL-6 Hall of Ideas G/J Preparing for Challenging Health Physics Exams Part 1 7:45 AM – 8:45 AM CEL-4 Ballroom C Consent-Based Siting of Used Nuclear Fuel: Enabling Risk-Informed Decisions Through Inclusive Public Engagement
Sunday, 13 July	Plenary Session 9:00 AM – 12:00 PM Exhibit Hall AB	TAM-A Emergency Response and Homeland Security 9:00 AM – 12:00 PM Ballroom C TAM-B Talk Less, Communicate More: Overcoming Communication Barriers 8:00 AM – 12:00 PM Lecture Hall TAM-C Military 9:00 AM – 12:00 PM Hall of Ideas G/J TAM-D Environmental Monitoring Session 9:00 AM – 11:20 AM Hall of Ideas F/I
All PEP Courses take place at the Monona Terrace Convention Center Hall of Ideas PEP 1-A thru 1-D 8:00am – 10:00am PEP 2-A thru 2-D 10:30am – 12:30pm PEP 3-A thru 3-D 1:00pm – 3:00pm PEP 4-A thru 4-D 3:30pm – 5:30pm	Poster Session 10:00 AM – 5:00 PM Exhibit Hall AB Exhibitor Sponsored Lunch 12:00 PM – 1:30 PM Exhibit Hall AB MPM-A Rad Air NESHAPs 1:30 PM – 5:00 PM Ballroom AB MPM-B Academic, Industrial and Research Radiation Safety 1:30 PM – 5:00 PM Ballroom C MPM-C Vendor Session 1:30 PM – 5:00 PM Lecture Hall MPM-D.1 Instrumentation and Measurements 1:30 PM – 3:30 PM Hall of Ideas G/J MPM-D.2 Regulations Session 4:00 PM – 5:00 PM Hall of Ideas G/J MPM-E.1 Internal Dosimetry 1:30 PM – 4:00 PM Hall of Ideas F/I MPM-E.2 Power Reactor Special Session 4:15 PM – 5:20 PM Hall of Ideas F/I	Exhibitor Sponsored Lunch 12:00 PM – 1:30 PM Exhibit Hall AB TPM-A Medical Health Physics 1:30 PM – 5:30 PM Ballroom C TPM-B AIRRS Roundtable 1:30 PM – 5:00 PM Lecture Hall TPM-C Mentoring at Large 1:30 PM – 3:30 PM Hall of Ideas G/J TPM-D Radiobiology 1:30 PM – 4:10 PM Hall of Ideas F/I
Student Social Hour 4:00 PM – 5:00 PM Meeting Room O/P	Speed Networking 4:00 PM – 5:00 PM Hall of Fame Room	
Quiz Bowl 5:00 PM – 7:00 PM Meeting Room O/P	Welcome Reception 5:30 PM – 7:00 PM Exhibit Hall AB	

Sunday PEP Locations

PEP A = Hall of Ideas F
 PEP B = Hall of Ideas G
 PEP C = Hall of Ideas I
 PEP D = Hall of Ideas J

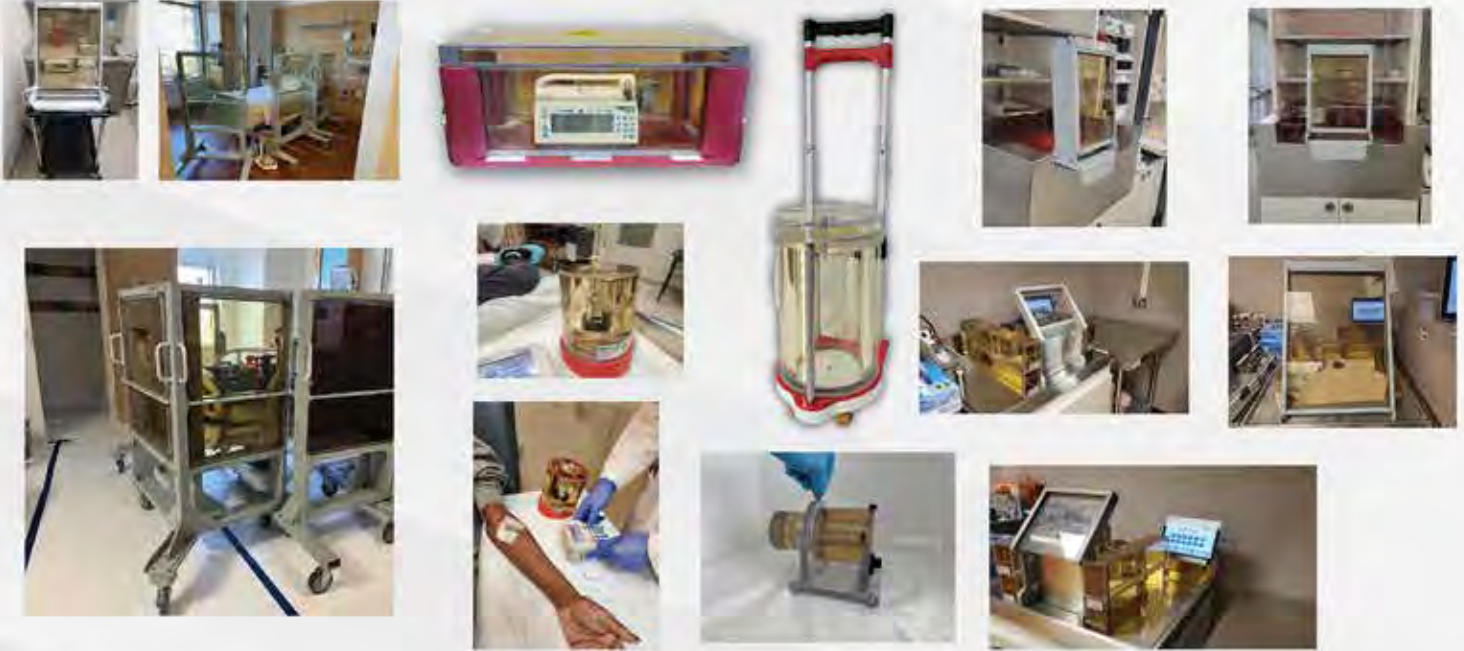
KEY

MPM = Monday PM Session
 TAM = Tuesday AM Session
 TPM = Tuesday PM Session
 WAM = Wed. AM Session
 WPM = Wed. PM Session



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SCHEDULE AT-A-GLANCE

All events at the Monona Terrace Convention Center unless otherwise noted.

Wednesday, 16 July		Thursday, 17 July		Registration Hours	
CEL Courses 7:45 AM – 8:45 AM		PEP Program 8:00 AM – 10:00 AM		Monona Terrace Convention Center Registration Counter 3	
CEL-7 Ballroom C	How Health Physicist could help to reduce the risk to staff working in a blood bank	TH-1A Lecture Hall	Operational Health Physics for Beginners: Laying the Groundwork	Sunday	7:00 AM – 4:00 PM
CEL-8 Lecture Hall	QC 101 Medical Physics Enterprise for Radiation Safety Officers (RSOs)	8:00 AM – 12:00 PM		Monday	7:30 AM – 4:00 PM
CEL-9 Hall of Ideas G/J	Radiation Risk Realism: Bridging Scientific Evidence and Public Understandin	TH-1B Ballroom C	Enhancing Reproducibility in Health Physics Calculations: Alternatives to Traditional Spreadsheets	Tuesday	8:00 AM – 3:00 PM
CEL-10 Hall of Ideas F/I	Preparing for the NRRPT Exam	10:30 AM – 12:30 PM		Wednesday	8:00 AM – 12:00 PM
WAM-A Risk Assessment	9:00 AM – 10:40 AM Ballroom C	TH-2A Lecture Hall	Techniques to Communicate Program Activities, Trends, and Program Drivers	Exhibit Hall Hours	
WAM-B Medical Special Session	9:00 AM – 12:00 PM Lecture Hall	TH-2B Meeting Room N/R	Radiopharmaceutical Therapy: From Soup to Nuts	Exhibit Hall AB	
WAM-C External Dosimetry Part 1	9:00 AM – 11:30 AM Hall of Ideas G/J			Monday	10:00 AM – 7:00 PM
WAM-D Decontamination and Decommissioning	9:00 AM – 11:40 AM Hall of Ideas F/I			Tuesday	9:30 AM – 4:00 PM
HPS Awards Lunch	12:00 PM – 2:00 PM Ballroom AB			Wednesday	9:30 AM – 12:00PM
WPM-A Government Relations	2:30 PM – 4:30 PM Ballroom C			Business Meetings	
WPM-B Medical Special Session - Extravasations Panel	2:30 PM – 5:30 PM Lecture Hall			Monday, 14 July 2025	
WPM-C External Dosimetry Part 2	2:30 PM – 5:00 PM Hall of Ideas G/J			Academic, Industrial, and Research Radiation Safety Section	
WPM-D Accelerator Session	2:30 PM – 4:10 PM Hall of Ideas F/I			5:00 PM – 6:00 PM Ballroom C	
				Power Reactor Section	
				5:20 PM – 6:00 PM Hall of Ideas F/I	
				Women in Radiation Protection Section	
				6:30 PM – 8:00 PM Meeting Room L	
				Tuesday, 15 July 2025	
				Environmental/Radon Section	
				11:20 AM – 12:20 PM Hall of Ideas F/I	
				Military Section	
				11:50 AM – 12:30 PM Hall of Ideas G/J	
				Homeland Security and Emergency Response	
				12:00 PM – 1:00 PM Ballroom C	
				AAHP	
				4:00 PM – 5:00 PM Hall of Ideas G/J	
				Academic, Industrial, and Research Radiation Safety Section	
				5:00 PM – 6:00 PM Lecture Hall	
				Medical Health Physics	
				5:30 PM – 6:30 PM Ballroom C	
				Wednesday, 16 July 2025	
				Decommissioning Section	
				11:40 AM – 12:00 PM Hall of Ideas F/I	
				Accelerator Section	
				4:10 PM – 5:00 PM Hall of Ideas F/I	
				HPS Business Meeting	
				5:30 PM – 6:30 PM Ballroom C	

NOTE FOR CHPs

The American Academy of Health Physics has approved the following meeting-related activities for continuing education credits for CHPs:

- Meeting attendance is granted 1 CEC per contact hour, excluding meals and business meetings;
- AAHP 8-hour courses are granted 16 CECs each;
- HPS 2-hour PEP courses are granted 4 CECs each;
- HPS 1-hour CELs are granted 2 CECs each.

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Student Orientation

Mandatory Meeting
for Student Travel Grant Awardees

Saturday, 12 July, 5:30 PM – 6:30 PM
Meeting Room P

HPS Awards Lunch

Wednesday, 16 July
12:00 PM – 2:00 PM

Ballroom AB

Join us Wednesday, 16 July, for the HPS Awards Program. We look forward to seeing you by 12:00 PM for the presentation at the Monona Terrace Convention Center. There will be a buffet lunch provided that begins at 12:00 PM.

Note For CHPs

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- AAHP 8-hour courses are granted 16 CECs each;
- HPS 2-hour PEP courses are granted 4 CECs each;
- HPS 1-hour CELs are granted 2 CECs each.

The HPS program committee has applied to CAMPEP for MPCEC credits for appropriate sessions.

Please contact Sandy Konerth
sandy.konerth@versantphysics.com
for more information.

Officers

President (2025) - Elizabeth Brackett
President-elect (2026) - Mike Lewandowski
Secretary (2026) - Tim Kirkham
Secretary-elect (2025) - Kendall Berry
Treasurer (2027) - Mike Mahathy
Executive Director - Brett Burk

Board of Directors

Shaheen Dewji
Angela Leek
Derek Jokisch
Tanya Palmateer-Oxenber
Greg Fairchild
Matt McFee

Local Arrangements Committee

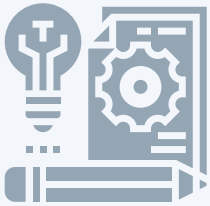
Jess Joyce, Chair	Tanner Jeffries
Jason Rusch, Chair	Talmage Kegley
Rindi Bernhard	Dawn Lewandowski
Jan Braun	Mike Lewandowski
Maritza Edwards	Emily Muzzillo
Kelly Gillette	David Paulu
Jason Hout	

Madison Task Force

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Josh Hayes, Task Force Chair
Bill Hinchcliffe, Task Force Chair
Meghan Dieffenthaler
Rachel Nichols
Deepesh Poudel
Zach Tribbett
Charles Wilson

Benefits

of Membership



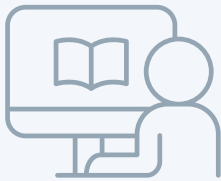
Publications

- Access to the Health Physics and Operational Radiation Safety journals.
- Stay informed with Health Physics News.
- Complimentary American National Standards Institute (ANSI) standards.
- Free electronic and discounted hard copies of reports & commentaries from the NRC.



Education

- Annual meetings offer insights into operational, research & current topics with numerous vendors presenting goods & services.
- Professional development schools' in-depth reviews on topics of interest.
- Professional Enrichment Programs (PEP) and Continuing Education Lectures (CEL) at annual and midyear meetings.



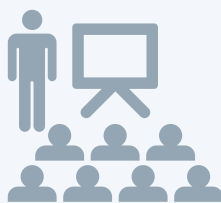
Online Resources

- "Toolbox" of health physics resources.
- Job postings
- Society section news and committee updates
- Interactive open forums
- Member directory and online mentor/mentee matching platform.



Committee and Specialty Section Participation

- Help shape the society.
- Volunteering opportunities for committees like Standards, Public Information, or Science Support Committees.
- Focus your discipline in the Environmental, Medical, Military or Power Reactor Sections.



Networking

- Meet with radiation safety professionals from around the world.
- Participate in mentoring program as either a mentee or mentor.

70th Annual Meeting

HEALTH PHYSICS SOCIETY

Monona Terrace Convention Center • Madison, WI • 13-17 July 2025

A Warm Midwestern Welcome to Madison!

The North Central Chapter of the Health Physics Society (NCCCHPS) is thrilled to welcome you to the vibrant and picturesque city of Madison, the heart of the Midwest, as we proudly host the 70th Annual Meeting of the Health Physics Society. We are especially excited to gather at the iconic Monona Terrace Community and Convention Center, majestically situated on the shores of the stunning Lake Monona, just blocks away from the state's picturesque capitol building.

Madison is a city that effortlessly blends natural beauty with a lively and welcoming spirit. From the moment you arrive, you'll discover a place brimming with friendly faces and a remarkable array of activities and attractions. Whether you're a first-time visitor or a returning guest, Madison has something special to offer. We encourage you to take some time beyond the meeting's informative sessions to experience the unique charm of Madison. Stroll down State Street, a pedestrian mall bustling with unique shops, diverse restaurants, and lively entertainment. Discover our beautiful lakes, perfect for a leisurely walk or a moment of reflection.

The Monona Terrace, a masterpiece envisioned by Wisconsin's own Frank Lloyd Wright, provides a truly inspiring backdrop for our meeting. Its breathtaking views of Lake Monona and its proximity to the vibrant downtown area make it an ideal location to learn, network, and explore.

The Local Arrangements Committee has been diligently planning to ensure your time in Madison is both professionally rewarding and personally enjoyable. In particular, we have two cornerstone events planned: a technical tour of SHINE and a cultural tour of New Glarus, Wisconsin. Information about these, along with transportation options and other attractions, will be shared through the HPS newsletter and on the meeting website. Don't forget to check out our exclusive meeting merchandise available for purchase through the meeting.

We are confident that you will find Madison to be a wildly beautiful and friendly city. Get ready to be captivated by its charm and the warmth of its people. We look forward to a productive and memorable 70th Annual Meeting here in Madison!

PEP/CEL Ready Room

The PEP/CEL Ready Room will be combined with the Speaker Ready Room in Hall of Ideas E/H in the Monona Terrace Convention Center from Sunday-Thursday

Speaker Information

Technical Sessions Speaker Instructions

You are allotted a total of 12 minutes of speaking time unless you have been notified otherwise.

The Speaker Ready Room (Hall of Ideas E/H) will be open Sunday from 2:00 PM – 5:00 PM and Monday through Wednesday from 7:30 AM – 5:00 PM. You must check in at the Speaker Ready Room (even if you have already submitted your presentation) no later than the following times:

Location: Hall of Ideas E/H

Presentation Time

Monday AM-PM
Tuesday AM-PM
Wednesday AM-PM
Thursday AM

Check-In Deadline

5:00 PM Sunday
5:00 PM Monday
5:00 PM Tuesday
5:00 PM Wednesday

Please report to your session room 10 minutes prior to the session start to let your session chair(s) know that you are there.

Posters in Prince Exhibit Hall AB must be put up for display between 10:00 AM and 12:00 PM on Monday and removed on Wednesday by 11:00 AM. All poster presenters should plan to stand by their poster during lunch on Monday and Tuesday.

Childcare

HPS will provide complimentary childcare this year through Taming Toddlers, a licensed and insured provider, Sunday - Thursday from 7:30 AM – 5:30 PM in Meeting Room K.

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COMPANION PROGRAM

Monday, 14 July

Companion Orientation

8:00 AM - 8:45 AM; Meeting Room M, Convention Center

A representative from the Convention and Visitors Bureau will stop by to welcome you to Madison and talk about all about what the area has to offer its guests. (No cost or registration required).

Capitol Tour

9:00 AM - 10:30 AM

Take a guided tour of the majestic Wisconsin State Capitol, one of the most beautiful in the country. From the marble interiors to the panoramic views from the observation deck, this tour is a perfect blend of history and grandeur. Registration required - no cost.

State Street Walking Tour

10:30 AM - 1:00 PM

Join us for a guided walking tour from the majestic Wisconsin State Capitol, down vibrant State Street, to the iconic UW-Madison Memorial Union. Experience Madison's heart as we journey through its historic center. Take note of interesting shops, restaurants, and cafes to visit later in the week. Our destination, the Memorial Union, offers stunning lake views and a taste of campus life, where we'll enjoy lunch from a variety of delicious options on the iconic terrace overlooking Lake Mendota. Comfortable shoes and a camera are recommended! (No cost or registration required)

Cultural Landscape Tour

Time TBD

Delve into the rich history of the land on which Madison stands with our First Nations Cultural Landscape Tour. Led by knowledgeable guides, including UW-Madison students and members of the Ho-Chunk Nation, this tour offers a unique perspective on the 12,000+ years of human presence along the shores of Lake Mendota. You'll gain insights into the deep connections between the Ho-Chunk people and Teejop (the area now known as Madison) and learn about the ongoing efforts to honor Indigenous cultures and knowledge. Registration required - no cost - registration will open in May.

Tuesday, 15 July

New Glarus Day Tour

9:00 AM - 5:00 PM

New Glarus is a charming village in the rolling hills of south-central Wisconsin. Our historic Swiss community offers a safe, walkable, and unforgettable experience for your guests. In recent years, New Glarus has been spotlighted in many publications, including National Geographic, Reader's Digest, Wyndham Destinations, and Conde Nast Traveler. With all the appeal of a quaint European village, New Glarus is a crowd-pleasing destination! Join us for a full day of fun starting at the Swiss Historical Village and Museum, lunch at one of the many downtown restaurants, then onto Bailey's Run Vineyard and the New Glarus Brewing Company. The bus will pick up at the Hilton Monona Terrace at 9:00 AM and will drop guests back off at the hotel by 5:00 PM. There will be a fee of \$35 to attend this tour. Registration required. \$35 covers transportation cost. \$10 fee to get into the museum paid individually.

Wednesday, 16 July

Farmers Market

9:00 AM

Don't miss the chance to experience a true Wisconsin tradition! On Wednesday, take a short stroll to the Wednesday Dane County Farmers' Market. This smaller version of the iconic Saturday market offers a delightful array of local goodies. Discover fresh produce, artisan cheeses, honey, maple syrup, and more, all from nearby producers. It's the perfect opportunity to savor the flavors of Wisconsin and support local farmers. (No cost or registration required)

Botanical Gardens

12:30 PM

Escape the hustle and bustle of the city and immerse yourself in the tranquility of Olbrich Botanical Gardens. Just a short bus ride from downtown, this lakeside oasis offers a vibrant display of plants and art. Wander through themed gardens, admire exotic plants in the Bolz Conservatory, and soak in the stunning views of Lake Monona. It's a rejuvenating experience for both body and mind. Don't forget your camera! (No cost or registration required, Bolz Conservatory is \$6 to enter)

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Committee/Business Meetings

Meetings take place at the Monona Terrace Convention Center unless otherwise noted.

Saturday 12 July 2025

Finance Committee Meeting	8:00 AM – 10:00 PM	Founder's Room, Hilton Monona Terrace
Executive Committee Meeting	1:00 PM – 4:30 PM	Founder's Room, Hilton Monona Terrace
Student Orientation	5:30 PM – 6:30 PM	Meeting Room P

Sunday 13 July 2025

HPS Board of Directors	8:00 AM – 5:00 PM	Ballroom B
Science Teachers Workshop	12:00 PM – 5:00 PM	Meeting Room M/N
Mentorship Committee Meeting	3:30 PM – 4:00 PM	Meeting Room R
Student Social Hour	4:00 PM – 5:00 PM	Meeting Room O/P
Quiz Bowl	5:00 PM – 7:00 PM	Meeting Room O/P

Monday 14 July 2025

Elda Anderson Breakfast	7:30 AM – 8:30 AM	Meeting Room N
Membership Committee Meeting	10:00 AM – 11:00 AM	Meeting Room O/P
Challenging Health Physics Questions Activity	10:30 AM – 12:00 PM	Dane Room
Chapter Council Meeting	1:15 PM – 2:15 PM	Meeting Room O/P
Section Council Meeting	2:30 PM – 3:30 PM	Meeting Room O/P
Speed Networking	4:00 PM – 5:00 PM	Hall of Fame Room
Academic, Industrial, and Research Radiation Safety Section Business Meeting	5:00 PM – 6:00 PM	Ballroom C
Welcome Reception, sponsored by M3D	5:30 PM – 7:00 PM	Exhibit Hall AB
Power Reactor Section Business Meeting	5:20 PM – 6:00 PM	Hall of Ideas F/I
Women in Radiation Protection Section	6:30 PM – 8:00 PM	Meeting Room L

Tuesday 15 July 2025

Society Support Committee Meeting	8:00 AM – 9:00 AM	Wisconsin Room
HPAERC Meeting	9:30 AM – 10:30 AM	Wisconsin Room
Challenging Health Physics Questions Activity	10:30 AM – 12:00 PM	Dane Room
Environmental/Radon Section Business Meeting	11:20 AM – 12:20 PM	Hall of Ideas F/I
Military Section Business Meeting	11:50 AM – 12:30 PM	Hall of Ideas G/J
Homeland Security and Emergency Response Business Mtg	12:00 PM – 1:00 PM	Ballroom C
Public Information Committee Meeting	2:00 PM – 3:00 PM	Wisconsin Room
AAHP Business Meeting	4:00 PM – 5:00 PM	Hall of Ideas G/J
Academic, Industrial, and Research Radiation Safety Section	5:00 PM – 6:00 PM	Lecture Hall
OSU Reception	5:00 PM – 7:00 PM	Offsite
CSU Alumni and Friends Reception	5:00 PM – 7:00 PM	Meeting Room M
Medical Health Physics Section Business Meeting	5:30 PM – 6:30 PM	Ballroom C

Wednesday 16 July 2025

Challenging Health Physics Questions Activity	10:30 AM – 12:00 PM	Dane Room
Decommissioning Section Business Meeting	11:40 AM – 12:00 PM	Hall of Ideas F/I
HPS Awards Lunch	12:00 PM – 2:00 PM	Ballroom AB
Health Physics Society Standards Committee Meeting	1:30 PM – 3:30 PM	Meeting Room N/R
Program Committee Debrief	4:00 PM – 5:00 PM	Meeting Room O/P
Accelerator Section Business Meeting	4:10 PM – 5:00 PM	Hall of Ideas F/I
HPS Business Meeting	5:30 PM – 6:30 PM	Ballroom C

Thursday 17 July 2025

HPS Board of Directors Meeting	8:00 AM – 12:00 PM	Ballroom B
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**Booth
304**

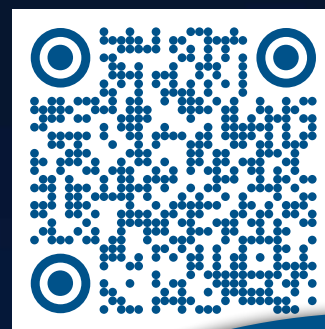


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- Hash Hashemian Profile



SPECIAL INVITATION

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IMPORTANT EVENTS

Quiz Bowl

You and your friends can test your knowledge against other HPS members (members are encouraged to group with students and young professionals). Join in on the fun Sunday, 13 July 5:00 PM– 7:00 PM, at the Monona Terrace Convention Center, Meeting Room O/P.

Speed Networking

This event will serve as a way for students and early career health physicists to meet potential mentors within the society who can help guide their growing career with industry/academia recommendations and suggestions. Join in on Monday, 14 July 4:00 PM – 5:00 PM, at the Monona Terrace Convention Center, Hall of Fame Room.

Welcome Reception, sponsored by M3D

The Welcome Reception this year will be held on Monday, 14 July from 5:30 PM – 7:00 PM in Exhibit Hall AB. Join fellow attendees for a time to socialize and renew old acquaintances. A cash bar will be available with appetizers.

Speaker Ready Room Hours

- Sunday: 2:00 PM – 5:00 PM
- Monday: 7:30 AM – 5:00 PM
- Tuesday: 7:30 AM – 5:00 PM
- Wednesday :7:30 AM – 5:00 PM

Exhibits

Free Lunch! Free Lunch! – 12:00 PM-1:30 PM, Monday, 14 July and Tuesday, 15 July. All registered attendees are invited to attend a complimentary lunch in Exhibit Hall AB. *The free lunches are not included in the registration fee, but were paid for by our sponsors & exhibitors.*

Breaks Monday–Wednesday – Coffee Breaks in the morning and afternoon will be available in the exhibit hall. Be sure to stop by and visit with the exhibitors!

Sessions and Course Locations

Sunday and Thursday PEPs are in the Monona Terrace Convention Center; PEPs, CELs, and all sessions Monday through Wednesday will take place at the Monona Terrace Convention Center.

HPS Awards Lunch

Join us Wednesday, 16 July, for the HPS Awards Program. We look forward to seeing you by 12:00 PM for the presentation in Ballroom AB at the Monona Terrace Convention Center. There will be a plated lunch provided that begins at 12:00 PM.

LECTURESHIP TRUST FUNDS

G. William Morgan Lectureship

When G. William Morgan died in 1984, he bequeathed a substantial fund to the Health Physics Society. The will requires that the fund's interest be used to have internationally known experts present papers at the Society's meetings. Michael C. O'Riordan of the United Kingdom's National Radiation Protection Board was the first international expert to be supported by the Society through the Morgan Fund. O'Riordan's presentation "Radon in Albion" was part of the Indoor Radon Session at the 1989 Albuquerque meeting.

G. William Morgan was a charter member of the Society, and during the Society's early years a very active member. Bill began his health physics career at Oak Ridge National Laboratory as part of the Manhattan Project. He later joined the Atomic Energy Commission and was instrumental in the development of the initial regulations that became part of 10 CFR Part 20. He was a great champion of education and helped establish the AEC Health Physics Fellowship Program. Bill later became very successful in the real estate business, but always retained his interest in the health physics profession. The Society's Presidents Emeritus Committee has responsibility for the selection of the international experts who will be supported by the G. William Morgan Trust Fund.



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Awards

Introduction by Elizabeth Brackett,
President and Awards Committee Chair

Recognition of 50 Year Members

Recognition of Student Fellowship & Scholarship Recipients

Recognition of Student Travel Grant Recipients

Announcement of Health Physics-Related Awards

Student Science Award

Fellow of the Health Physics Society Awards and Certificate Presentations

Michael T. Ryan Outstanding Paper Award

Distinguished Scientific Achievement Award

Elda E. Anderson Award

Robley D. Evans Commemorative Medal

Adjournment

2025 HPS 50 Year Members

John L Bliss	Jeanie Polehn
Peter Collopy	Dennis Quinn
Frederick Cummings	Sharon S Schumacher
David A Dooley	Gregory A Stoetzel
E Joseph Hart	Randolph L Sullivan
Harry Ing	Arthur C Tate
Michael L Littleton	Bruce R Thomadsen
Tom Meek	Terry Vaughn
Steven H Moss	Richard J Watts
Carl J Paperiello	James G Yusko

Student Fellowships

We appreciate the sponsors and recognize the merits of the students in the following fellowships that provide important financial support to students in our health physics teaching programs:

Burton J Moyer Fellowship

Wyatt Smither, University of Florida

Health Physics Society Fellowships

Soren Clawson, Colorado State University

Robert Gardner Memorial Fellowship

Jason Rusch, University of North Alabama

Robert S. Landauer, Sr., Memorial Fellowship

Kowale Adesina, Purdue University

Richard J. Burk, Jr., Fellowship

Sherry Adadi, Georgia Institute of Technology

J. Newell Stannard Memorial Fellowship

Billy Stephenson, Colorado State University

Dade W. Moeller Scholarship

Stephen Kustkas, Oregon State University

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Student Travel Grant Recipients

These grants enable health physics students to attend and participate in our annual meeting. Additional support was received from the Sections: Medical Health Physics, AIRRS, and Decommissioning, noted in parenthesis below.

Samuel Ratan Bunga
Alcorn State University

Adam Burton
University of Alabama at Birmingham

Ginger Carvalho
Oregon State University

Brian Church
Oregon State University

Austin Coleman
(AIRRS)
Francis Marion University

Joshua Collins
University of Alabama at Birmingham

Ellie Coven
University of Massachusetts Lowell

Tyree Davis
Francis Marion University

Somnath Dey
Purdue University

Aura Ganster
Vanderbilt University Medical Center

Thomas Grier
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Sebastian Harding
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Zachary Hines
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Annabelle Hoffert
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Sharmin Jahan
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Frederick McWilliams
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Sarah Mentzer
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Gabrielle Pedigo
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Abu Sayed Mohammed Sayam
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Related Awards

American Academy of Health Physics

William A. McAdams Outstanding Service Award

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James P. Tarzia, CHP

Joyce P. Davis Memorial Award

Presented in recognition of exemplary service as a role model in upholding the ethical and professional standards of the Academy.

Ruth McBurney, CHP

Nancy K. Johnson National Service Award

Presented to individuals who have provided exceptional service to the Academy during the immediate Past President's term of office.

Wayne Gaul, CHP

Bill Fitzgerald Award

This award may be made annually by the ABHP to honor an Active or Emeritus Certified Health Physicist who has provided exceptional service to the ABHP during the immediate previous Chair's term of office.

Rodican P. Reed, CHP

AAHP Distinguished Membership 2025

The Distinguished Member Award is given as a recognition of outstanding contributions to the AAHP/ABHP and the health physics profession for a period of at least 20 years while maintaining the integrity and ethical standards of our profession as a certified health physicist.

Joyce Davis, CHP

Howard Dickson, CHP

Kyle R. Kleinhans, CHP

Charles Roessler, CHP

J Newell Stannard, CHP

Decommissioning Section

Exemplary Service Award

The Health Physics Society Decommissioning Section honors those who exemplify outstanding service and dedication to the Decommissioning Section. The awardee receives a plaque.

Phil Rutherford

Homeland Security and Emergency Response Section Awards

Distinguished Service Award

The Health Physics Society Homeland Security and Emergency Response Section honors those who exemplify outstanding service and dedication to the HS&ER Section. The awardee receives a plaque.

Doug Draper

Kenneth Groves

Military Health Physics Section Awards

John C. Taschner Leadership Award

Established in 2014 the John C. Taschner Leadership Award recognizes a uniformed officer or senior enlisted person who has distinguished himself or herself in service to our country over a long career as a uniformed military health physicist and is presented at the annual meeting. The awardee receives a plaque.

Captain Greg Fairchild, MSC, USN

Superior Civilian Service Award

Established in 2014, the Superior Civilian Service Award recognizes a person who has distinguished himself or herself in service to our Country over a long career as a civilian military health physicist and is presented at the Annual Meeting. The awardee receives a plaque.

Dr. David Schauer

Young Military Health Physicist of the Year Award

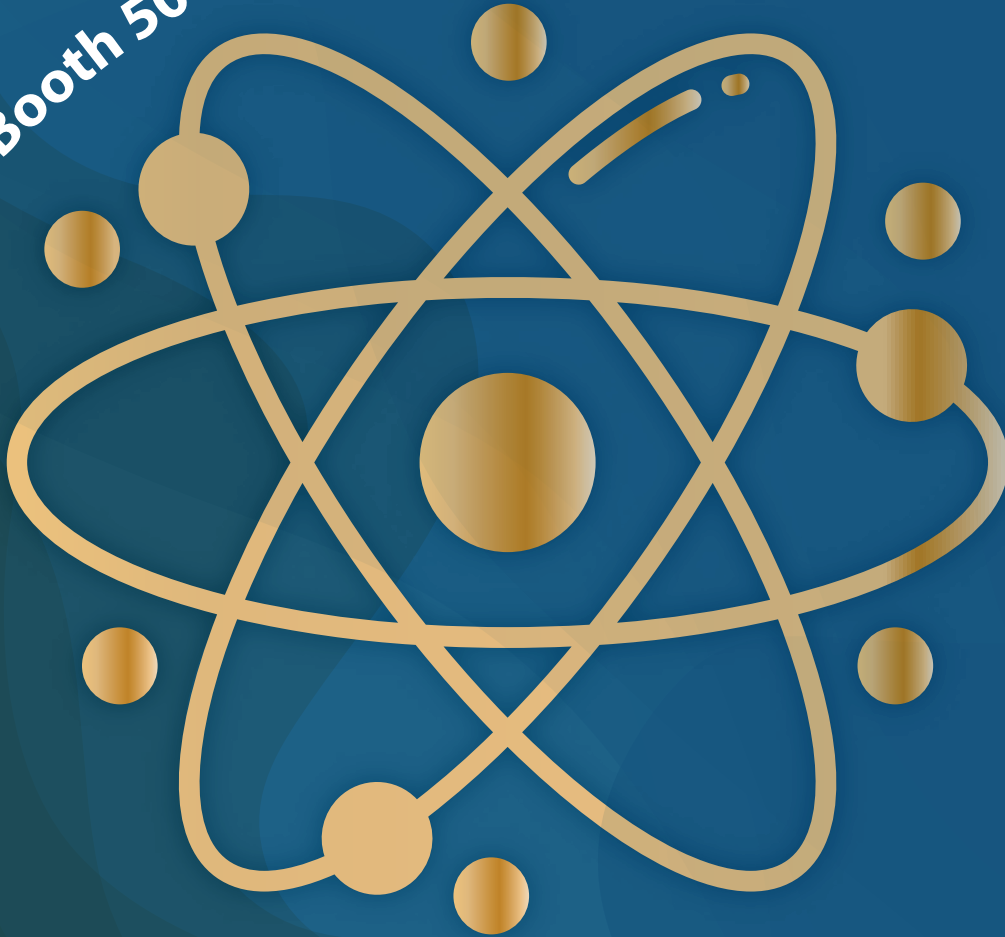
Established in 2014, the Young Military Health Physicist of the Year Award recognizes a young military health physicist for excellence in (1) research or development, (2) discovery or invention, (3) devotion to military health physics, and/or (4) significant contributions to the profession of military health physics and is presented at the annual meeting. The awardee receives a certificate and a one-year membership in the Health Physics Society.

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Published HPS/ANSI Standards

2024- HPS N13 Standards Published

N13.3-2019 (R2019, R2025) “Dosimetry for Criticality Accidents”, Dann C. Ward, WG Chair

N13.32-2018 (R2024) “Performance Testing of Extremity Dosimeters”, Eric Darois, WG Chair

N13.41-2024 “Criteria for Performing Multiple Dosimetry”, Brett L. Rosenberg, WG Chair

N13.44-2014 (R2024) “Thyroid Phantom Used in Occupational Monitoring”, Michael W. Mallett, WG Chair

N13.45-2024 “Incineration of Low-Level Radioactive Waste”, Rodican P. Reed, WG Chair

Student Science Awardee

The award shall be presented at a meeting of the nominating chapter, the Texas Chapter, and will consist of a mounted certificate and a cash award.

Yosef Herrera

Fellows

To honor senior members of the Society who have made significant administrative, educational, or scientific contributions to the profession of health physics.

2025 Fellows

Stephen Balter

Kendall Berry

Gerald (Jerry) Falco

Craig Marrianno

Katherine McLellan

Steve Sugarman

Michael T. Ryan Outstanding Paper of 2024 Award

The Editorial Board of the Health Physics journal has selected the paper, “Radiation Protection Considerations for Cancer Patients with End-stage Renal Disease Receiving 131 I Treatment”, Health Phys. 126(1):1-17, January 2024, as the 2024 winner of the Michael T. Ryan Outstanding Paper of the Year Award. This paper was selected from among all those published in Health Physics in 2024. The papers were judged on scientific merit, accuracy, balance, innovation, and impact.

The Michael T. Ryan Outstanding Paper of the Year Award is named in honor of the late Michael T. Ryan, who served as the Editor In Chief of the Health Physics journal from 1999 to 2017.

“Radiation Protection Considerations for Cancer Patients with End-stage Renal Disease Receiving 131 I Treatment”, Is available to Health Physics Society members at:

journals.lww.com/health-physics/fulltext/2024/01000/radiation_protection_considerations_for_cancer.1.aspx

Congratulations to the authors!

Matthew Louis, Emmanuel M. Mate-Kole, Landon Aziz, and Shaheen A. Dewji

Distinguished Scientific Achievement Award

This award is designed to acknowledge outstanding contributions to the science and technology of radiation safety. The recipient of the award is recognized for accomplishments of fundamental importance to the practice, acceptance, and advancement of the profession of health physics. It is awarded in memory of those scientists who contributed in an outstanding way to the development of scientific knowledge for the protection of man and his environment.

David Medich

Bruce Napier

Charles “Gus” Potter

Award consists of a plaque and life membership in the Society.

Elda E. Anderson Award

This award is presented to a young member of the Health Physics Society to recognize excellence in:

1. Research or development
2. Discovery or invention
3. Devotion to health physics, and
4. Significant contributions to the profession of health physics

Chu Wang

Award consists of a plaque and a \$1,000 check

Robley D. Evans Commemorative Medal

This award is given in memory and honor of Professor Robley Evans for his dedication and contributions to radiation safety as an outstanding physics educator, scientist, author and humanitarian. The recipient of this award best demonstrates these exceptional qualities and accomplishments.

Nolan Hertel

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2025 EXHIBIT HALL FLOOR PLAN

Exhibit Hall AB



View the latest floorplan and company profiles on your phone or tablet.
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Exhibit Hall

Monday, July 14
10:00 AM – 7:00 PM

Tuesday, July 15
9:30 AM – 4:00 PM

Wednesday, July 16
9:30 AM – 12:00 PM

Garage Sale

Monday, July 14
10:00 AM – 5:00 PM

Tuesday, July 15
9:30 AM – 5:00 PM

Wednesday, July 16
9:30 AM – 11:00 AM

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Breaks

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Wednesday AM

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Lunches

Monday and Tuesday, 12:00 PM

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Welcome Reception

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Monday, 5:30 PM – 7:00 PM

Join fellow attendees in the Exhibit Hall AB for a
time to socialize and renew old acquaintances.



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Hopewell Designs is a leading supplier of irradiator systems for calibration, dosimetry, research, and NDT. We offer complete solutions for radiation calibration labs – including high-dose and self-contained irradiators, custom designs, automation, and shipping casks. Our systems are engineered for reliability and meeting the evolving needs of radiation measurement and control.

HPS 2026 – National Harbor, MD Booth: 709

Save the date for the 71st HPS Annual Meeting 5–9 July 2026 at the Gaylord National Harbor, Maryland!

Illinois Institute of Technology Booth: 310

1301 S. Dearborn Street
Chicago, IL 60116
217-567-3572
www.iit.edu/academics/programs/health-physics-mas

Illinois Tech offers an online master's degree providing the knowledge and skills needed to succeed as a health physics professional. Technical training in radiation science, engineering, and professional standards is applied to occupational and environmental health, medicine, and regulatory affairs. Leadership skills are offered in project management and public communication.

J.L. Shepherd & Associates

1010 Arroyo St.
San Fernando, CA 91340
818-898-2361
www.jlshepherd.com

J.L. Shepherd & Associates products include Cs-137 and Co-60 sources, biological research, blood component, space effects testing, sterilization and process irradiators. Gammacell 220 Co-60 reloads and uploads. Gamma, beta and neutron instrument calibration and dosimeter irradiation facilities. Irradiator/calibrator security upgrades, service, repair, relocation and decommissioning for current and extinct manufacturers. Hot cell windows and leaded glass.

Booth: 306

Bronze Sponsor

Kentek Corporation

5 Jarado Way
Boscawen, NH 03303
603-223-4915
kenteklaserstore.com

Established in 1983, Kentek Corporation has served thousands of laser users in more than 60 countries around the world. Kentek has the most comprehensive laser safety products and services including eyewear, barriers and curtains, viewing windows, beam control, beam evaluation, training and consulting for all laser users in any environment.

Booth: 706

LabLogic Systems, Inc.

3901 Centerview Drive, Suite B
Chantilly, VA 20151
703-429-4209
www.lablogic.com

LabLogic specializes in instrumentation and software dedicated to the measurement and analysis of radioisotopes used in environmental, pharmaceutical, nuclear medicine and research laboratories. Our products include liquid scintillation counters, radiation monitors, personal dosimeters, radio-chromatography instruments and software, micro-plate readers and a variety of radiation safety consumables.

Booth: 405

LANDAUER and RaySafe

2 Science Road
Glenwood, IL 60425
800-323-8830
www.landauer.com

Come discover how LANDAUER and RaySafe are revolutionizing radiation safety. By combining our expertise, products and advanced technology, we deliver solutions to RSOs in healthcare, military and first responders. We offer insightful medical physics consulting to informative radiation safety education. Visit booth #206 to see how we can help!

Booth: 206

PLATINUM SPONSOR

LND, Inc.

3230 Lawson Blvd
Oceanside, NY 11572
516-678-6141
www.lndinc.com

LND, Incorporated designs and manufactures gas-filled nuclear radiation detectors for commercial, scientific, and military applications, selling over two million detectors worldwide since 1964. Their product line includes various detectors such as Geiger-Mueller Tubes and Neutron Proportional Detectors, used in health physics, environmental monitoring, medical instrumentation, and more. LND offers custom detector design to meet specific requirements.

Booth: 506

Ludlum Measurements Inc.

501 Oak St
Sweetwater, TX 79556
325-235-5494
ludlums.com

Ludlum Measurements, Inc. designs and manufactures Radiation Detection instrumentation developed to help monitor the safety of personnel and the environment. Founded in 1962, Ludlums is committed to making the world a safer place to live and work by providing affordable, dependable, and durable instruments and technologies.

Booth: 700

DIAMOND SPONSOR

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www.m3diamging.com

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Booth: 407

PLATINUM SPONSOR

Maxeta Technologies, Inc.

45 Tamarack Circle
Skillman, NJ 08558
1-877-9-MAXETA
www.maxetatech.com

Maxeta Technologies develops business automation software for the nuclear industry. RadSurv, our electronic survey (eSurvey) software, streamlines the process of completing, storing and retrieving radiological surveys using intuitive, web-based tools designed for the real-world demands of radiation safety programs. RadSurv helps save time, improve accuracy, and ensure safety and compliance.

Booth: 608

Mazur Instruments

Booth: 600

200 South Wilcox Street #448
Castle Rock, CO 80104
303-325-7463
www.mazurinstruments.com

Mazur Instruments designs, develops and manufactures handheld survey meters used by professionals and organizations across the globe to detect, measure and monitor nuclear radiation. Made in the USA, the company's instruments are competitively priced and offer ruggedness, high reliability, outstanding battery life, autonomous data-logging, inline statistics and wireless connectivity.

Mirion Technologies

Booth: 400

800 Research Parkway
Meriden, CT 06450
mirion.com

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Mirion Technologies partners with industry leaders to advance radiation safety and empower critical innovation. Their precision radiation safety technologies enable detection, measurement, monitoring, and analysis in R&D labs, nuclear facilities, and beyond. With complete confidence in safe operations, Mirion harnesses the transformative power of radiation for a better world. Learn more at mirion.com.

NAC Philotechnics, Ltd.

Booth: 705

201 Renovare Boulevard
Oak Ridge, TN 37830
865-483-1551
www.nacphilo.com

NAC Philotechnics is a radiological services company providing mixed and radioactive waste processing and brokerage, MARSSIM D&D, remediation, license termination, field services, and HP support; including, characterization, shipping, and disposal. NAC Philotechnics maintains two mobile Radioactive Materials (RAM) Licenses and operates two RAM Licensed facilities in Oak Ridge and San Diego.

Nelco Worldwide

Booth: 411

2 Burlington Woods Drive
Burlington, MA 01803
781-552-8135
www.nelcoworldwide.com

NELCO offers tailored solutions for an extensive range of industrial and medical applications, spanning radiation oncology, non-destructive testing, sterilization, radiopharmaceuticals, nuclear waste management, and beyond. We possess a deep understanding of the intricacies of industrial equipment, enabling us to design products that meet specific needs effectively. With over 90 years of experience in the industry, our unparalleled expertise in planning, designing, and implementing radiation shielding solutions sets us apart in the marketplace.

NRRPT

Booth: 808

PO Box 3084
Westerly, RI 02891
401-637-4811
www.nrrpt.org

Objective of the Registry: To encourage and promote the education and training of Radiation Protection Technologists and, by doing so, promote the science of Health Physics.

Nuclear News (ANS)

Booth: 304

1111 Pasquinelli Way, Suite 350
Westmont, IL 60559
708-579-8226
ans.org/news

Silver Sponsor

As the American Nuclear Society celebrates our 70th year, the world's appetite for nuclear is stronger than ever. ANS stands ready to advance industry growth by providing technical exchange in meetings and journals; insider insights from Nuclear News and Radwaste Solutions magazines; professional development and certification programs; and education initiatives.

Nuclear Sources and Services, Inc.

Booth: 100

5711 Etheridge Street
Houston, TX 77087
713-641-0391
www.nssihouston.com

**PLATINUM
SPONSOR**

Nuclear Sources & Services, Inc. is a fully permitted RCRA Part B hazardous waste TSD and one of only three facilities in the United States providing storage and treatment of mixed hazardous and radioactive wastes. Since 1971, NSSI has supported the government, education, pharmaceutical, oil and gas, and power generation sectors.

Nutronic Nuclear Inc.

Booth: 106

2000 Westinghouse Dr Ste 103
Cranberry Twp, PA 16066
412-206-9527
www.nutronic.se

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Nutronic is a privately owned group of companies headquartered in Sweden. We have been supporting the nuclear sector with our line of radiological instruments since 1996, and today, our on-site teams are actively supporting nuclear power plants with radiation protection services in Sweden, Finland, Slovenia and the United States.

NUVIA

Booth: 807

280 Avenue Napoléon Bonaparte
Rueil Malmaison, Ile de France 92500
+33 1 47 76 42 62
www.nuvia.com

NUVIA, part of the global VINCI group and Soletanche Freyssinet's nuclear division, has deep roots in the nuclear industry. Operating internationally in nuclear power, healthcare, and research, NUVIA delivers top-quality, safe, and efficient radiation protection services and products, ensuring reliability and excellence for clients worldwide.

Office of Radiological Security

1000 Independence Avenue SW
Washington, DC 20585
505-401-7910

www.energy.gov/nnsa/office-radiological-security-ors

The Office of Radiological Security (ORS) works with government, law enforcement, and businesses to protect radioactive sources used for medical, research, and commercial purposes; remove and dispose of disused radioactive sources; and reduce the global reliance on high-activity radioactive sources through the promotion of viable non-radioisotopic alternative technologies.

Booth: 309

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SPONSOR**

ORAU

100 ORAU Way
Oak Ridge, TN 37830
www.ornl.gov

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Our vision: To be the recognized, preferred leader when national and global priorities require innovative scientific and technical solutions.

Booth: 804

ORTEC - AMETEK

801 South Illinois Avenue
Oak Ridge, TN 37830
865-482-4411
www.ortec-online.com

ORTEC is a global manufacturer of radiation detectors and nuclear instrumentation used by government and industrial laboratories, nuclear facilities, medical research, nuclear safeguards, and homeland security professionals. Specializing in radioisotope identification and High Purity Germanium detectors, ORTEC has been a technology leader in the nuclear field for over 60 years.

Booth: 200

Pace Analytical Services, LLC

2665 Long Lake Road, Suite 300
Roseville, MN 55113
612-607-6400
www.pacelabs.com

Booth: 504

Pastime Publications

1050 Hawkstone Dr
Eaton, CO 80615
970-689-6011
TheNRRPTBook.com

Pastime Publications publishes books on Health Physics and Radiation Protection for both the United States and Canada.

We offer NRRPT and CHP review classes in a range of formats: In-person classes at your facility, Online 8 week "live" course and Online self-paced study course with recorded classes, using an online comprehensive learning environment.

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Booth: 810

Perma-Fix Environmental Services, Inc.

315 9th St. 2nd. Floor
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800-905-0501
www.perma-fix.com

Perma-Fix delivers global radiological solutions through advanced technologies, expert health physics services, and regulatory support. We specialize in site assessments, NORM/TENORM waste management, instrumentation services, and radiation protection programs. Our innovative technologies, Perma-Sort® and Eagle iScan—enable safe, efficient decommissioning and compliance across complex environments in energy, industrial, and environmental sectors.

Booth: 609

PHDS Corporation

3011 Amherst Rd
Knoxville, TN 37921
865-816-8666
www.phdsco.com

PHDS Co. manufactures high-purity germanium (HPGe) gamma-ray detectors. All PHDS Co. HPGe detectors are portable, battery powered, turnkey systems suitable for NDA use in the laboratory, reactor, security site, or the field. The Fulcrum and GeGI detectors provide quantitative gamma-ray assay in real-time, addressing the most challenging nuclear-materials situations.

Booth: 704

Rad Source Technologies

4907 Golden Parkway, Ste 400
Buford, GA 30518
678-765-7900
radsources.com

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Booth: 509

Radiation Detection Company

3527 Snead Dr
Georgetown, TX 78626
512-831-7000
www.radetco.com

Booth: 607

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SPONSOR**

Radiation Detection Company delivers NVLAP-accredited passive and digital dosimetry solutions to the medical, energy, veterinary, and dental industries. Backed by 75+ years of CHP-led expertise, RDC offers exclusive technology, including the NetDose™ Digital Dosimeter and ORA™ OSL ring, ranking #1 in customer satisfaction and serving over 40,000 companies worldwide. www.radetco.com

Radiation Safety & Control Services Booth: 510

93 Ledge Road
Seabrook, NH 03874
800-525-8339
www.radsafety.com

Established in 1989, RSCS, Inc. is a small business that offers expertise in all aspects of radiation safety and measurement applications. Our company specializes in operational and decommissioning services for nuclear power plants as well as for industrial, medical, and government radiological facilities. Our core services include health physics consulting, technical staffing, training, instrumentation (including sales, installation, calibration, and repair), emergency planning, and specialized radiological characterizations and measurements.

Radium Incorporated

463 Dinwiddie Ave
Waynesboro, VA 22980
434-962-5331
www.radiuminc.com

Booth: 302

Radium Incorporated makes radiation shields for Nuclear Medicine and Theranostics, Nuclear Power Plants, DOE Labs using our patented ClearView Radiation Shielding – a transparent liquid tungsten radiation shield in a polycarbonate housing. Our shields are being used in over 600 hospitals, most nuclear power plants and several DOE Labs. Booth 302

RadQual – International Isotopes Booth: 207

4137 Commerce Circle
Idaho Falls, ID 83401
208-524-5300
radqual.com

Silver Sponsor

RadQual provides high-quality radioactive calibration, quality control and shielding products.

Revvity

77 4th Avenue
Waltham, MA 02451
800-762-4000
www.revvity.com

Booth: 611

Revvity offers comprehensive life science solutions, technologies, and services, covering workflows from discovery to cure. We revolutionize biomedical research with a focus on translational multi-omics, biomarker identification, imaging, prediction, screening, detection, diagnosis, informatics, and more.

S.E. International, Inc.

436 Farm Rd.
Summertown, TN 38483-0039
931-964-3561
www.seintl.com

Booth: 606

Manufacturer of the Radiation Alert® product line, offering affordable handheld ionizing radiation detection instruments including Geiger counters, dosimeters, multi-channel analyzers, Area Monitors, for surface and air contamination. Proven reliable in Emergency Response, environmental, industrial, laboratory, research, Health physics, and educational fields. We provide excellence in instrumentation, reliability and customer service.

SHINE Technologies

3400 Innovation Ct
Janesville, WI 53546
608-210-1060
www.shinefusion.com

Booth: 610

SHINE invites attendees to visit our booth to learn about the company's production supply capabilities for non-carrier-added lutetium-177 (n.c.a Lu-177) as well as our Neutron Testing and Fusion Technology. Meet representatives from our sales and Radiation Protection Department who would love to talk!

Silver Fir Software, Inc.

6830 NE Bothell Way, Ste C PMB #428
Kenmore, WA 98028
253-857-1056
www.silverfirsoftware.com

Booth: 202

Silver Sponsor

Silver Fir Software, Inc. develops software for accurately, efficiently, and easily predicting radiation fields. Our products are used worldwide for shielding, radiological protection, and other applications. Our flagship software, Attila4MC®, provides Monte Carlo (MCNP®) users with robust CAD integration, single-click variance reduction, and intuitive solution field visualization.

Spectral Labs Incorporated

15920 Bernardo Center Drive
San Diego, CA 92127
858-207-3727
spectrallabs.com

Booth: 701

Silver Sponsor

SLI has three distinct business areas: 1) Software Simulations and Training, which develops VR / CBT and physical simulator tools for use in CBRN training applications, 2) manufacturing group producing equipment including hardware to detect radiation used aboard nuclear naval vessels, and 3) Product R&D group developing Millimeterwave scanning tools, novel radiation sensing solutions, and edge processor hardware.

Spectrum Techniques

106 Union Valley Road
Oakridge, TN 37830
865-482-9937
www.spectrumtechniques.com

Booth: 604

Spectrum Techniques is your primary source for exempt quantity radionuclides, radiation detection and measurements instrumentation. Applications include teaching in nuclear medicine, health physics, chemistry, biology and nuclear engineering. See our web site at Spectrumtechniques.com for MCAs, nuclear counters and ratemeters. Source types include disk, rod, laminated and needle sources.

Teletrix Corporation

2000 Golden Mile Highway, Suite C
Pittsburgh, PA 15239
412-798-3636
teletrix.com

Booth: 806

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Thermo Fisher Scientific

One Thermo Fisher Way
Oakwood Village, OH 44146
440-477-3028
www.thermofisher.com/netdose

Booth: 503

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The radiation detection and measurement portfolio of products from Thermo Fisher Scientific have been used in a wide range of applications throughout the world. From our portable handheld radiation detectors to the new NetDose Pro Digital Dosimeter, we have a solution for your radiation detection, measurement, and identification needs.

UNIVERSITY TABLES

Colorado State University

CSU/ERHS 1618 Campus Delivery
Fort Collins, CO 80523
970-491-0563
vetmedbiosci.colostate.edu/degree-programs/graduate/ms-radiological-health/health-physics

CSU offers an ABET accredited MS in health physics, with concentrations in radioecology and radiochemistry, as well as a PhD in Radiological Health Sciences (Health Physics). Our students visit or perform research at Fukushima, Hiroasaki or Tsukuba University. Students also visit Los Alamos National Laboratory, and Idaho National Laboratory.

Oregon State University

151 Batcheller Hall
Corvallis, OR 97331
541-737-2343
ne.oregonstate.edu

Founded in 1959, OSU School of Nuclear Science and Engineering boasts a global influence and are one of the top programs in the United States. We are known for our progressive research, large-scale test facilities, and industry and governmental partnerships. With students from around the globe; world-class faculty hailing from China, Iran, Poland, Slovakia, and the United States; and more than 1,300 alumni living and working in the United States and abroad, we are driving the future of nuclear science through engineering and health physics.

University of Alabama at Birmingham

1716 9th Ave S
Birmingham, AL 35233
541-250-1975
www.uab.edu/shp/cds/health-physics

The UAB MS in Health Physics program strives to provide a quality educational experience that prepares students to be skilled professionals who will equitably serve in a diverse workforce, who will contribute to the profession throughout their careers, and who will uphold the highest standards of ethics and integrity both personally and professionally.

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Professional Enrichment Program (PEP)

All sessions take place in the Monona Terrace Convention Center

SUNDAY

8:00 AM – 10:00 AM

PEP 1A

Hall of Ideas F

Going Nuclear on Social Media:
Effective Outreach for Radiation
Science & Risk Communication

Robert Bruce Hayes

North Carolina State University

PEP 1B

Hall of Ideas G

Alpha Spectroscopy for the Health
Physicist

Michael Clemmer

Ametek

PEP 1C

Hall of Ideas I

Essential Elements of Nuclear Security
for Radiation Protection

Jason Timothy Harris

Purdue University

10:30 AM – 12:30 PM

PEP 2A

Hall of Ideas F

Effluent Source Terms and Capture
Techniques from PET Radionuclide
Production

Elizabeth Gillenwalters

Siemens Molecular Imaging

PEP 2B

Hall of Ideas G

Gamma Spectroscopy for the Health
Physicist

Michael Clemmer

Ametek

PEP 2C

Hall of Ideas I

Health Physics Determination of
Special Exposure Cohort Petitions

Mike Mahathy

Retired

PEP 2D

Hall of Ideas J

Evolution of Radiation Safety at a Large
Academic Research Institution

James F. Schweitzer

HPC

1:00 PM – 3:00 PM

PEP 3-A

Hall of Ideas F

Y-90 Microspheres - Building a
Successful Program

William Gibbons

Moffitt Cancer Center

PEP 3-B

Hall of Ideas G

Case Studies in “Radiation Deception”:
Practical Strategies for Avoiding Fraud
Based on Lessons Learned

Robert John Emery, David Crawford

Howell

University of Texas HSC - Houston, Wake

Forest University

PEP 3-C

Hall of Ideas I

Health Physicists in Nuclear Reactor
Emergencies

William Irwin, Angela Leek, Wendy Renno

PEP 3-D

Hall of Ideas J

Emergency Response and Information
Communication – Considerations for
the Health Physicist

Steve Sugarman

Summit Exercises and Training, LLC

3:30 PM – 5:30 PM

PEP 4-A

Hall of Ideas F

The Science of RDDs and Emergency
Response Guidance for the First 100
Minutes

Stephen V. Musolino, Frederick T. Harper

RadSafe Solutions LLC

PEP 4-B

Hall of Ideas G

Fundamentals of Radiation Detection
and Measurement

Lily Ranjbar

Oregon State University

PEP 4-C

Hall of Ideas I

Radiopharmaceutical Radiation Safety
Programs

William Gibbons

Moffitt Cancer Center

PEP 4-D

Hall of Ideas J

So Now You Are The RSO: Elements Of
An Effective Radiation Safety Program

Thomas Logan Morgan

Versant Medical Physics

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Final Scientific Program

Presenter's name is asterisked (*) if other than first author.

All sessions take place in the Monona Terrace Convention Center.

This meeting has applied to CAMPEP for approval of 25 MPCEC hours.

We encourage you to check the meeting app for the most up-to-date schedule.

MONDAY

7:45 AM – 8:45 AM

CEL 1

Ballroom C

Considering Radiation Safety Program Image

Robert John Emery

University of Texas HSC - Houston

CEL-2

Lecture Hall

How To Publish A Scientific Paper

Thomas Logan Morgan

Versant Medical Physics

CEL-3

Hall of Ideas G/J

Preparing for Challenging Health Physics Exams Part 1

Amber Bolen

Advantage Solutions

9:00 AM – 12:00 PM

Plenary Session

Ballroom AB

AI & External Dosimetry: Managing Risk and Improving Outcomes

Jon Rolland

Landauer

Multiscale Digital Twins for Personalized Radiopharmaceutical Therapy

Greeshma Agasthya

Improving Solid Cancer Incidence Estimates in Atomic Bomb Survivors: The Role of Migration in Catchment Area-Based Registries

Hanna Lindner

G William Morgan Lecturer

1:30 PM – 5:00 PM

MPM-A

Rad Air NESHAPs

Chair: J Matthew Barnett

Ballroom AB

1:30 pm

DOE Subpart H Report

Christine Lobos, Sandra Snyder

DOE EHSS-22, Battelle Memorial Institute

1:50 pm

U.S. Environmental Protection Agency Update on the Radionuclide NESHAPs

Joseph Rustick, Jonathan Walsh

US EPA

2:10 pm

Oak Ridge National Laboratory Rad NESHAPs Database and Software System -Companion tool for Processing CAP88-PC Modeling Output Data

Amber Harshman

Oak Ridge National Lab

2:30 pm

Long-Term Radiological Dose Assessment of the 2014 WIPP Release: Evaluating Resuspension and Offsite Exposure Risks

Robert Hayes, Noah Etter

North Carolina State University

2:50 pm

U.S. Environmental Protection Agency Update on the Radionuclide NESHAPs Compliance Codes

David Stuenkel

U.S. Environmental Protection Agency

3:10 pm

BREAK

3:40 pm

Numerical Investigations of Radioactive Particle Transport Through Ventilations Ducts in Nonreactor Nuclear Facilities

Thien Nguyen, William McCarter

UT-Battelle/Oak Ridge National Laboratory

4:00 pm

What's Going On? Evaluating New & Modified Sources of Emissions of Airborne Radionuclides at Los Alamos National Laboratory

David P Fuehne, Rebecca Lattin, Kris Hyatt, Shimi Didla

Los Alamos National Laboratory, LANL- Air Quality

4:20 pm

Minor Sources – Millirem per Curie Factors, the Usage Survey, and the Enhanced Rule

Rebecca Lattin, David P Fuehne

LANL- Air Quality, Los Alamos National Laboratory

4:40 pm

Evaluation and Monitoring of Radioactive Air Concentration and Public Dose Estimation from Air Effluent for SLAC LCLS-II Accelerator Facility*

Sayed H Rokni, Melanie Najera, Henry H Tran, James C Liu

SLAC National Accelerator Laboratory, Stanford LIN Accelerator Ctr

MONDAY

1:30 PM – 5:00 PM

MPM-B
**Academic, Industrial and
Research Radiation Safety**

Chair: Jordan Noey

Ballroom C

1:30 pm

Enhancing Public Engagement: The
HPS Public Information Committee's
Digital Strategy

Sara Dumit

Los Alamos National Laboratory

1:50 pm

Operational Radiation Safety Program
at the University of Utah

*Masoud Beitollahi, Codey Olson**

University of Utah

2:10 pm

Battling The Operational Health
Physics Brain Drain

Gregory Gibbons

Health Physics Consultant

2:30 pm

Road to Retirement: How to set the
next RSO up for success

Maria Catanach

Kansas State University

2:50 pm

BREAK

3:20 pm

Developing a Radiation Safety Program
for Highly Toxic Alpha Emitter Th-229
with Th-228 Impurity to Generate Ac-
225

Alex Buehrle, Morgan Smathers

TerraPower

3:40 pm

Affordable and Hands-On Experiments
Examining the Physics of Ionizing and
Non-Ionizing Radiation Detection

*Jordan Noey, Kimberlee J Kearfott, Ryan
Kim, Caleb Bush*

Univeristy of Michigan

4:00 pm

Enhancing Health Physics Education
Through an Interactive Radiological
Survey

Sebastian Harding, Lisa Manglass

Francis Marion University

4:20 pm

Evaluating Student Cognitive
Engagement in an Interactive Virtual
Radiation Detection and Measurement
Lab Using the ICAP Framework

Lily Ranjbar, Lincoln Worley

Oregon State University

4:40 pm

Functional Detectors and New
Environments for the DoseBusters
Virtual Reality Radiation Detection and
Protection Game

Jordan Noey, Kimberlee J Kearfott, Caleb

Bush, Jackson Eggerd, Clay Hudson,

Jianyu Tu, Luke Baron, Jessica Xiao,

Estefania Munoz Barron

Univeristy of Michigan

1:30 PM – 5:00 PM

MPM-C
Vendor Session

Chair: TBD

Lecture Hall

1:30 pm

Reduction and Assessment of
ROSPEC Background for Improved
Measurements of Low Neutron Fields

Alex Miller, Ted Clifford, Martin Smith,

Harry Ing

Bubble Technology Industries

1:45 pm

Evaluation of a New Radiation Imaging
Survey Meter for Treatment Room
Cleanup Following Lu-177 and I-131
Cancer Therapy

Scott Sawyer, Jerimy Polf, Steven Brown*

University of Michigan Hospital, M3D

2:00 pm

Characterization and dose rate
calibration of a semiconductor-based
imaging survey meter

Steven Brown, Scott Sawyer, Jerimy Polf

M3D, University of Michigan Hospital

2:15 pm

BREAK

2:30 pm

Say Goodbye to the Ion Chamber
Hassles

Lena Hansson, Ed Brand, David Knight,*

Patrik Andersson, Lizzy Thompson

RaySafe, LANDAUER

2:45 pm

The Importance of ANSI Compliant
Laser Safety Training

Rich Greene

Kentek Corporation

3:00 pm

Monitor Contamination in your High
Gamma Background Work Area
and Mitigate the Risk of Dispersing
Radioactivity over the Site

Dominique Rothan, Franz Dambo

3:15 pm

Mirion Dosimetry – Taking the Next
Giant Leap in Personal Dosimetry

Kip Bennett

Mirion Technologies

1:30 PM – 3:30 PM

MPM-D.1
**Instrumentation and
Measurements**

Chairs: David Goodman, Jason Rusch

Hall of Ideas G/J

1:30 pm

Open Beam and Box Irradiator 137Cs
Calibration of 3D CdZnTe Detectors

David Goodman

H3D, Inc.

MONDAY

1:50 pm

Sample Preparation Effects on Quench-Driven Liquid Scintillation Counting Efficiency

Jason Rusch
UW-Madison

2:10 pm

Determination of Lead Use in Buried Water Service Lines with KXRF

Haleigh Chasteen, Chase Hadu, Yuchen Zhang, Drew Novak, David Goodman, Aaron Specht
DePauw University, Purdue University, H3D, Inc.

2:30 pm

Improving Continuous Air Monitor Reliability with Machine Learning Classification

Sam Paterniti
Los Alamos National Labs

2:50 pm

Radiation Detection Test Laboratory Standardization

Mark Dinezza, Stanley T Mavrogianis
NSWC-Carderock Division

3:10 pm

Alpha on a Budget: Modifying Consumer-Grade Geiger Counters for High-Performance Detection

Austin Coleman, Philip C Fulmer, Lisa Manglass
Francis Marion University

1:30 PM – 4:00 PM

MPM-E.1

Internal Dosimetry

Chairs: Dmitri Margot, Deepesh Poudel

Hall of Ideas F/I

1:30 pm

Likelihood Functions for Bioassay Measurements for Development, Selection, and Calibration of Biokinetic Models

John Klumpp, Deepesh Poudel
Los Alamos National Laboratory

1:50 pm

Deposition and Inhalation Dose Coefficient Uncertainty Analysis Results

Dmitri Margot, Emmanuel Mate-Kole, Lainy Cochran, Shaheen Dewji, Autumn Kalinowski, David Farrar, Lotem Buchbinder Shadur, Martin Graffigna Palomba, Casey Jelsema
Sandia National Laboratories, Georgia Institute of Technology

2:10 pm

Determining the Sensitivity of Air Force Bioassay Methods for Warfighter Internal Dose Assessment

Adam Boey, Aurelie Soreefan
US Air Force School of Aerospace Medicine

2:30 pm

Impact of Outcome Misclassification on Radiation Health Risk Models

Xirui Liu, Stacey Mccomish, Joey Zhou, Sergey Tolmachev
Washington State University, U.S. Transuranium & Uranium Registries, DOE

2:50 pm

BREAK

3:00 pm

Instructions Not Included: How to Build a Practical Bioassay Program from Scratch

DJ LeClear
Shine Technologies

3:20 pm

Specific Absorbed Fractions and Radionuclide S-Values for Non-Reference Computational Phantoms

Wyatt Smither, Chansoo Choi, Wesley Bolch
University of Florida

3:40 pm

Accelerating Monte Carlo Simulations for Predicting Primary Dose from Inhalation of Spherical Particulates

Shaun Marshall
Mount Holyoke College

4:00 PM – 5:00 PM

MPM-D.2

Regulations Session

Chairs: Joshua Collins, Charles Wilson

Hall of Ideas G/J

4:00 pm

Blockchain Technology: A New Era in Radioactive Material Regulations

Jason Rusch
UW-Madison

4:20 pm

Policy Surveillance of Decommissioning and Decontamination Regulations

Charles Wilson, Joshua Collins*, Emily Caffrey
University of Alabama at Birmingham

4:40 pm

Comparative Analysis of Radon Regulations in Saudi Arabia and International Radiation Protection Standards

Omar Al-Somlai
Saudi Arabia

4:15 PM – 5:20 PM

MPM-E.2

Power Reactor Special Session

Chair: Richard Adams

Hall of Ideas F/I

4:15 pm

New Reactor Health Physicists needed to Support New Reactor Projects

Richard Adams
Kewaunee Solutions

4:20 pm

Considerations in Construction of Non-Destructive Testing/Industrial Buildings

Melissa C Martin
Therapy Physics Inc

4:50 pm

CAD Integrated Monte Carlo Dose Calculations Using Attila4MC®

Gregory Failla

P: Poster Session
Exhibit Hall AB

- P1**
 Reuse of Oxidized Electrodes for Capacitive Deionization of Radioactive Water
*Yusik Won, Wei-Hsung Wang, Yong-Ha Kim**
 Louisiana State University
- P2**
 Radioactivity in Soils Around a Coal Ash Pond
Jermiah Kiran Billa, Sedomda Kpikpitse, Masoud Beitollahi, John Adjaye*
 Alcorn State University, University of Utah
- P3**
 Radioactivity Studies on Sediments Collected in the Vicinity of Nuclear Plant
Jermiah Kiran Billa, Kiranmai Kondeti, Masoud Beitollahi, John Adjaye*
 Alcorn State University, University of Utah
- P4**
 External Standard Sources for Liquid Scintillation Counting and Cerenkov Counting
Tyree Davis, Philip C Fulmer
 Francis Marion University
- P5**
 Radioactivity Studies on Sludge Samples Collected from Local Water Treatment Facilities in Southwest Mississippi region
Jermiah Kiran Billa, Samuel Ratan Bunga, Masoud Beitollahi, John Adjaye*
 Alcorn State University, University of Utah
- P7**
 A Realistic Consumption Scenario for Nuts in Lagos Nigeria: Radionuclide Contents and Health Risks Implications
Morhunfoluwa Olaoye, Abodunrin Peter, Peter Olagbaju
 Lagos State University, Nigeria, Bells University of Technology, North West University, South Africa
- P8**
 Effectiveness of Dose Reduction Techniques during Disused Radioactive Source Processing with MCNP
Pierre O'Driscoll
- P9**
 Imaging based surveys to identify leaks and gaps in radioisotope and fluoroscopic x-ray shielding barriers for improved shielding of hospital workers
Nicholas Borges, Jerimy Polf, Steven Brown
 Massachusetts General Hospital, M3D
- P10**
 X-ray interaction and the Electronic and Atomic Cross-Sections and Compton Mass-Attenuation Coefficients of Blood, Breast, Eye Lens, Ovary, and Testis
Muhammad Maqbool, Elise Kapshtica, Sami Raja, Madhesh Raja, Daniel Banks, Jia Ali
 University of Alabama at Birmingham
- P11**
 Reducing the Radiation Exposure Dose of the Fetus, Lens and Thyroid for Thoracic Computed Tomography Scanning: A Phantom Study
Osman Gul
 Selcuk University
- P12**
 Nuclear Security Consequence Analysis for a Hypothetical Small Modular Reactor
Eric Majersky, Sharmin Jahan, Jason Harris
 Purdue University
- P13**
 Quantitative Analysis of Nuclear Safety Consequences for a Hypothetical Small Modular Reactor
Sharmin Jahan, Eric Majersky, Jason Harris
 Purdue University
- P14**
 Recommendations on the choice of EPR spectrometer for alanine dosimetry
Alexander Romanyukha, Francois Trompier, Jessica Saunders
 Armed Forces Radiobiology Research Institute, ASNR, USN
- P15**
 Continuous Process Improvement of the Air Force Radiation Dosimetry Center
Adam Boey, Steven Duncan
 US Air Force School of Aerospace Medicine
- P16**
 Effect on Nuclear Medicine Technologist Staff Dose during Lu-177 Therapy Administrations
Zachary Hines
 Vanderbilt University Medical Center
- P17**
 Neutron Dosimetry Using Alanine EPR at Colorado State University
Paige Witter, Alexander Brandl
 Colorado State University
- P18**
 Radiation Safety Recommendations for Clinical Implementation of Targeted Alpha Therapy
Aura Ganster
 Vanderbilt University Medical Center
- P19**
 Monte Carlo Radiation Shielding Analysis of a Novel Multi-Source Electron Beam Assembly for 3D Printing and Imaging
Zachary Welchel, Brandon Walker, Wesley Culberson, Larry A Dewerd, Kevin Eliceiri
 University of Wisconsin-Madison, Morgridge Institute for Research, Medical Physics
- P20**
 Leveraging A Large Language Model (LLM)-based Agent Framework for Enhanced Knowledge Retrieval in Radiation Protection and Health Physics
Zavier Ndum Ndum, John Ford, Jian Tao, Yang Liu
 Texas A&M University
- P21**
 Evaluation of Annual Effective Dose Due to Inhalation and Ingestion of Radon in Water Samples from Sagamu, Southwestern Nigeria with the Rad-7 during the Rainy and Dry Seasons
Pauline Atanley
 Augustine University, Nigeria

TUESDAY

7:00 AM – 8:00 AM

CEL 5

Hall of Ideas F/I

One Step Closer to Work in a
Fluoroscopy Area without a Lead Apron

Jacob Kamen

Mount Sinai

CEL-6

Hall of Ideas G/J

Preparing for Challenging Health
Physics Exams Part 2

Thomas Logan Morgan

Versant Medical Physics

7:45 AM – 8:45 AM

CEL-4

Ballroom C

Consent-Based Siting of Used Nuclear
Fuel: Enabling Risk-Informed Decisions
Through Inclusive Public Engagement

Robert Bruce Hayes

North Carolina State University

8:00 AM – 12:00 PM

TAM-B

**Talk Less, Communicate
More: Overcoming
Communication Barriers**

Chair: William Gibbons

Lecture Hall

9:00 AM – 12:00 PM

TAM-A

**Emergency Response and
Homeland Security**

Chair: Steve Sugarman

Ballroom C

9:00 am

Applicability of techniques and tools
developed for criticality accidents to
the management of victims of a large-
scale nuclear detonation

Francois Trompier, Alexander

Romanyukha, Ricardo Reyes

ASNR, Armed Forces Radiobiology

Research Institute, U.S. Army

9:20 am

Secondary and Tertiary Effects of
Radiological Water Contamination

Grace Adams, Abbi Dingus-Simmons,

Frances Adebayo, Karl Nubbe, Staci

Herman, Chelsea Sleiman, Gariann

Gelston

Deloitte Consulting, Pacific Northwest

National Laboratory (PNNL)

9:40 am

Communicating Effectively in a
Radiological Emergency

Jerrold Bushberg, Vincent Covello,

Randall N Hyer

National Council on Radiation Protection

& Measurements, NCRP Radiation Risk

Communication Committee

10:00 am

Systemic Radiation Effects from Acute
Radiation Exposure

Grace Adams, Karl Nubbe

Deloitte Consulting

10:20 am

BREAK

10:40 am

Revitalizing Air Force/Federal
Radiological Response Training

Adam Boey, Vivien Miller

US Air Force School of Aerospace Medicine

11:20 am

A Systemic Review of in vivo Acute
Radiation Syndrome Treatment using
FDA approved Colony Stimulating
Factors as a Medical Countermeasure

Arnold Bogis, Paul Charp

CDC/NCEH

11:40 am

Evaluation of the Radioactive Material
Released in the Harborview Research
and Training Building and Some
Implications for Emergency Response

Stephen V Musolino, Frederick Harper,

Daniel Blumenthal, Jon Schwantes, Edgar

Buck, Kevin Carney, David Chichester,

Thomas Holschuh, Joshua Kane, Daniel

Murray

RadSafe Solutions LLC, DOE/NNSA, Pacific

Northwest National Laboratory

9:00 AM – 11:50 AM

TAM-C

Military

Chair: TBD

Hall of Ideas G/J

9:00 am

Commander James Cassata Memorial
Lecture

John E Till

Risk Assessment Corporation

9:30 am

Health Effects from Nuclear and
Radiological Environments (HENRE)
Capabilities and Ongoing Development

Ginu Unnikrishnan, Lawrence Herskowitz

Applied Research Associates Inc., DTRA

9:50 am

REAC/TS Simulated Radiation and
Nuclear Incidents In a NATO Exercise

Joshua Hayes, Carol J. Iddins

ORISE REAC/TS

TUESDAY

10:10 am

US Navy Primary and Secondary Dosimetry, Updates and Upgrades

Colin Rook, Jeancarlo Torres

Naval Surface Warfare Center - Carderock Division

10:30 am

BREAK

10:50 am

The Defense Health Agency Transitioning from a Complex Broad Scope Nuclear Regulatory Commission License to a Master Materials License

Ricardo Reyes, Gregory R Fairchild, William Bosley, Brandon Russell, Chris Dufford, Shabbir Shivji, Kaylie Hammersborg, Neil Keeney

U.S. Army, Defense Health Agency, U.S. Navy

11:10 am

Radiation Safety Regulation Implementation of a US Navy Type A Broad Scope Permit

*Jacob Oberstein, Matthew Spierenburg
U.S. Navy, NSWC Carderock*

11:30 am

U.S. Army Center of Military History Radiation Safety Program Implementation

Tim Mikulski, Michael Gray, Khaled Habiba, Mary Reardon, Miller Paul*

U.S. Army, US Army Test and Evaluation Command, U.S. Army Training and Doctrine Command, U.S. Army Center of Military History

9:00 AM – 11:20 AM

TAM-D Environmental Monitoring Session

Chairs: Emily Caffrey, Catesby Mallard

Hall of Ideas F/I

9:00 am

Enhanced Exposure Assessment using Micro-XRF for Spatial Analysis of Metal Deposition on Air Filters

*Abu Sayed Mohammed Sayam, Jae Hong Park, Chang Lee, Aaron Specht
Purdue University*

9:20 am

Phosphogypsum Road-Based Materials: A Review of Practicality and Safety in the United States

*Catesby Mallard, Charles Wilson, Emily Caffrey
University of Alabama at Birmingham*

9:40 am

Assessing Background Uranium and Tritium in Well Water: Implications for Bioassay Interpretation and Radiation Dose Assessment

*Adam Burton, Emily Caffrey, Charles Wilson
University of Alabama at Birmingham*

10:00 am

BREAK

10:20 am

ANSI/HPS N13.1 1999, 2011, 2021 Compliant Stack Sampling System Implementation Problems

*Scott Owen, Nagaraj Ramakrishna
HI-Q Environmental Products Co., Inc.*

10:40 am

Feasibility of a novel optically filtered Monochromatic portable X-ray Fluorescence (MXRF) to quantify lead in bone and soft tissues

*Kolawole Emmanuel Adesina, Alexander DiNatale, Haleigh Chasteen, Aaron Specht
Purdue University, DePauw University*

11:00 am

Are Tobacco Products Safe - A Radioactivity Based Study

Jermiah Kiran Billa, Chukwuka James, Masoud Beitollahi, John Adjaye
Alcorn State University, University of Utah*

1:30 PM – 5:30 PM

TPM-A Medical Health Physics

Chair: Michael Drelich, Andy Miller

Ballroom C

1:30 pm

NRC Medical Team updates

Andy Miller

1:50 pm

Managing radiation exposures to pregnant healthcare staff caring for patients receiving radiopharmaceutical or radioactive material therapy

*Brian Serencsits, Bae Chu, Michael Bellamy
Memorial Sloan Kettering Cancer Center*

2:10 pm

Standardizing Patient Instructions in Diagnostic Nuclear Medicine

*Grace Roemer, Bae Chu, Matthew Williamson, Fanny Chen
Memorial Sloan Kettering Cancer Center*

2:30 pm

Beyond Simple Decay: Complex Patient Release Calculations for Therapeutic Radiopharmaceuticals

*Michael Drelich, Lara Paciello
University of Pittsburgh*

2:50 pm

Initial Experience using an Imaging Survey Meter in assessing common Nuclear Medicine Radiation Safety issues.

*Bryan Lemieux, Jie Zhang, Azmul Siddique, Xingyu Nie, Kimyli Lemieux, Ashley Gray
University of Kentucky Healthcare*

3:10 pm

BREAK

TUESDAY

3:30 pm

Lu-177m Concentration Concerns

*Cameron Liggitt, Charles Wilson, Emily Caffrey
University of Alabama at Birmingham*

3:50 pm

Why you should replace your Cs-137 E-vials – A Lesson Learned

*Christopher Pagan, Rebecca Grabarkewitz, Joseph Martinez, Christopher Dunn, Sanaullah Sana, Mychal Johnson, Shannon Luck, Adan Madrid, Rita Mazumder, Joshua Thomas
UT Southwestern Medical Center*

4:10 pm

Radiation Safety Considerations for DDR X-ray Technology in the Clinical Environment

*Bryan Lemieux, Azmul Siddique, Gary Ge, Jie Zhang
UK HealthCare*

4:30 pm

One Step Closer to Work in a Fluoroscopy Area without a Lead Apron

*Jacob Kamen, Robert Golduber
Mount Sinai*

4:50 pm

No later than date – radioactive seed localization dosimetry.

Glenn M Sturchio, Katherine Ward
Mayo Clinic, University of Alabama at Birmingham*

5:10 pm

Positively Nuclear: Enhancing Patient Confidence in PET-CT Imaging Through Simple Analogies

*Lonah Ong'ayo
Kenyatta University Teaching Referral and Research Hospital*

1:30 PM – 5:00 PM

TPM-B

AIRRS Roundtable

Chair: TBD

Lecture Hall

1:30 PM – 3:30 PM

TPM-C

Mentoring at Large

Chair: TBD

Hall of Ideas G/J

- 1:30 pm** Set-up for breakout Sessions
- 1:45 pm** Technical Challenges in Radiation Protection
- 2:15 pm** Transition
- 2:25 pm** Health Physics Calculation in Application
- 2:55 pm** Transition
- 3:00 pm** Transition

1:30 PM – 4:10 PM

TPM-D

Radiobiology

Chair: Grace Adams

Hall of Ideas F/I

- 1:30 pm** Reevaluating Radiation Risk: The Psychosomatic Impact of Fear (Radiophobia) on Health Outcomes
*Robert Hayes
North Carolina State University*
- 1:50 pm** Dose-Dependent Cellular Responses to Ionizing Radiation: Investigating the Balance Between Cytotoxicity and Hormesis for Optimized Radiotherapy
*Mohammad Asif Sherwani, Emily Caffrey, Charles Wilson, Muhammad Maqbool
University of Alabama at Birmingham*

2:10 pm

Electron Paramagnetic Resonance Dosimetry in Human nails: Ultraviolet and Sunlight Irradiations as Confounding Factors

Nicolas Tkatchenko, Alexander Romanyukha, Ricardo Reyes, Steven Swarts, Didier Gourier, Francois Trompier
Institut de Radioprotection et de Sûreté Nucléaire, Armed Forces Radiobiology Research Institute, U.S. Army, University of Florida, Chimie-ParisTech, PSL University, CNRS, Institut de Recherche de Chimie de Paris (IRCP), ASNR*

2:30 pm

Assessment of Radiation Dose Rates on Live White Rhinoceroses for Conservation Applications

Craig Marianno, Jordan Hillis, James Larkin
Texas A&M University, Wits University*

2:50 pm

BREAK

3:10 pm

Save the Pangolins! Co-60 as a Radioactive Deterrent for Pangolin Preservation

*Kristina Yopez, James Larkin, Mitzi Klein, Thomas Johnson
US Navy, Wits University, Australian Nuclear Science & Technology Organization's (ANSTO) Synchrotron, Colorado State University*

3:30 pm

Organ-on-a-chip (OOC) Technology for Low Dose and Low-Dose Rate Radiation Studies

*Grace Adams, Charles Wilson, Jeff Caudill, Emily Caffrey
Deloitte, University of Alabama At Birmingham*

3:50 pm

AFRRI-DTRA Experimental Results to Calculate the Neutron-to-Gamma Ratio Impact on Neutron Relative Biological Effectiveness

*Lawrence Herskowitz
DTRA*

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WEDNESDAY

7:45 AM – 8:45 AM

CEL-7

Ballroom C

How Health Physicist could help to reduce the risk to staff working in a blood bank

*Jacob Kamen
Mount Sinai*

CEL-8

Lecture Hall

QC 101 Medical Physics Enterprise for Radiation Safety Officers (RSOs)

*Ronald Leuenberger
VA Northeast Ohio Healthcare System*

CEL-9

Hall of Ideas G/J

Radiation Risk Realism: Bridging Scientific Evidence and Public Understanding

*Robert Bruce Hayes
North Carolina State University*

CEL-10

Hall of Ideas F/I

Preparing for the NRRPT Exam

*Henry Bolen
HII Mission Technologies, Nuclear and Environmental Group*

9:00 AM – 10:40 AM

WAM-A

Risk Assessment

Chairs: Armin Ansari, Kathryn A Higley

Ballroom C

9:00 am

Low-Dose Radiation Research: The Practitioners Perspective

*Armin Ansari
U.S. Environmental Protection Agency*

9:20 am

The Million Person Study - A Vital National Effort

*Kathryn A Higley, Lawrence T Dauer
Oregon State University, Memorial Sloan Kettering Cancer Center*

9:40 am

The Importance of Radiation Safety Training in Preventing Significant Radiological Incidents

*Jasmin Hernandez, Charles Wilson, Emily Caffrey
Washington State Department of Health - Office of Radiation Protection, University of Alabama at Birmingham*

10:00 am

Animal Uptake of Uranium and Arsenic from Contaminated Spring Water in the SweetWater Chapter of the Navajo Nation

*Reese Sprister, Thomas Johnson, Phillida Charley, Christian Grabowski, Gilbert John
Colorado State University*

10:20 am

A Review of Lovelace Studies With Inhaled Radionuclides in Beagle Dogs

*Roger O McClellan
Independent Advisor, Toxicology and Risk Analysis*

9:00 AM – 12:00 PM

WAM-B

Medical Special Session

*Chairs: William Gibbons, T. Michael Martin,
Glenn M Sturchio*

Lecture Hall

9:00 am

Comparison Between Lutetium-based Radiopharmaceuticals from Various Production Sites and Calibration Factors

*T. Michael Martin
Texas A&M University*

9:15 am

Expect the unexpected – returning radiopharmaceutical therapy patients.

*James Underwood, Glenn M Sturchio
Mayo Clinic*

9:30 am

Expect the unexpected – returning radiopharmaceutical therapy patients. Part Deux.

James Underwood, Glenn M Sturchio
Mayo Clinic*

9:45 am

Update on Progress of MPPG16.a: Medical Health Physics Scope of Practice

*John Metyko
MD Anderson Cancer Center*

10:00 am

Beyond the Injection: Managing Radiopharmaceutical Extravasations Under Proposed NRC Ruling

*Jenni Johnston, Emily Caffrey, Charles Wilson
Huntsville Hospital, University of Alabama at Birmingham*

10:15 am

Q&A

10:25 am

BREAK

10:30 am

Extravasations – Where are We Now?

*Kendall Berry
Fox Chase Cancer Center*

10:45 am

A Novel Approach to Radiopharmaceutical Extravasation Dosimetry

*Michael Drelich, Emily Caffrey, Charles Wilson
University of Pittsburgh, University of Alabama at Birmingham*

11:00 am

New Module in VARSKIN+ Software Calculates Extravasation Dose

*Roland Benke, Jeff Luitjens, Steven Blomgren, David M Hamby, Mason Loidhamer, Samuel Lalley
Renaissance Code Development*

WEDNESDAY

11:15 am

Monte Carlo Simulations of Radiopharmaceutical Infiltrations Within Skin

Christopher Whitener, Charles Wilson, Emily Caffrey

Yale New Haven Health, University of Alabama at Birmingham

11:30 am

Infiltration of Lu-177-DOTOTATE in a High Risk Pheochromocytoma Patient

John Metyko

MD Anderson Cancer Center

10:50 am

External Dosimetry Accreditation: NVLAP Performance Testing and Compliance with ANSI Standards

Rui Zhang

Landauer

11:10 am

Breaking New Ground in Radiation Monitoring: The First Domestic BeO OSL Ring

Mirela Kirr, Christopher Passmore

Radiation Detection Company

10:40 am

Characterizing a Van de Graaff Accelerator Facility: Challenges and Solutions

*John Hackett, Carson Allen**

APTIM

11:00 am

Nuclear Ship Savannah – Decommissioning in the Context of Historic Preservation

Edward A Tupin, Anne Jennings, Erhard Koehler

HPS, Tidewater Inc., U.S. Maritime Administration

9:00 AM – 11:30 AM

WAM-C

External Dosimetry Part 1

Chairs: Mirela Kirr, Chris Passmore

Hall of Ideas G/J

9:00 am

Developing a Paperless Management Process for your Dosimetry Program

Christine Krieman

Landauer Medical Physics

9:20 am

Effective Management of Global Dosimetry Services

Rokas Rimkevicius

Landauer

9:40 am

Seeing the Unseen: How Granular Dose Data from Digital Dosimeters Enhances Radiation Protection

Chris Passmore, Mirela Kirr

Radiation Detection Company

10:00 am

BREAK

10:30 am

Understanding the effects of transit and non-occupational exposures in external dosimetry

*Nathan Duff, Nicholas Koenig**

Landauer, Inc.

9:00 AM – 11:40 AM

WAM-D

Decontamination and Decommissioning

Chair: Ken Gavlik

Hall of Ideas F/I

9:00 am

Decommissioning Waste: Why it Pays to Plan Ahead

Kevin Gavlik

NAC Philotechnics LTD

9:20 am

Revolutionizing Radiological Surveys: Integrating Lidar, SLAM, and Real-Time Radiation / Contamination Mapping for Indoors

Kevin Banks

NAC Philotechnics

9:40 am

PSR-LA Decommissioning Litigation at the Santa Susana Field Laboratory

Phil Rutherford

Phil Rutherford Consulting

10:00 am

BREAK

10:20 am

Validation of Simulated Pipe Detectors for Use in Buried and Embedded Pipe Radiological Characterization using Monte Carlo N-Particle

John Cox, Norbert Hugger, Christopher Martel, Mark Nelson

Radiation Safety and Control Services, WPI, RSCS

2:30 PM – 4:30 PM

WPM-A

Government Relations

Chair: Ken Gavlik

Ballroom C

2:30 pm

The HPS Government Relations Program: Interacting With Government Agencies and Congress

Craig A. Little

Two Lines, Inc.

2:50 pm

Working with Congress

David Connolly

HPS Congressional Liaison

3:10 pm

Health Physics on the Hill: Musings of a CHP Working in Policy

Emily Caffrey

University of Alabama at Birmingham

3:30 pm

Evolving Nuclear Regulation: Current Developments and Future Directions

Peter Seel

The Breakthrough Institute

WEDNESDAY

3:50 pm

Perspectives on Radioactive Source Security and Accountability

Tamara Bloomer

Nuclear Regulatory Commission

4:10 pm

GAO Review of Steps Taken by Agencies to Address Certain Radiological Security Risks

*Jeffrey Barron, Allison Bawden**

US GAO

2:30 PM – 5:00 PM

WPM-B
Medical Special Session
– Extravasations Panel

Chair: TBD

Lecture Hall

2:30 PM – 5:00 PM

WPM-C
External Dosimetry Part 2

Chair: Lienard Chang

Hall of Ideas G/J

2:30 pm

The Role of Filters in External Dosimetry

Nathan Duff

Landauer, Inc.

2:50 pm

Heating Rate Optimization and Its Application for Precision Enhancement in Thermoluminescent Dosimetry

Jordan Noey, Kimberlee J Kearfott,

Joseph Kopke

Univeristy of Michigan

3:10 pm

Radiation Dose to Occupational Dosimeters Brought on Commercial Air Travel

Lienard Chang, Daniel Kim

Inova Health Systems, Radiation Oncology Associates of Northern Virginia

3:30 pm

BREAK

4:00 pm

The Universal Nuclear Accident Dosimeter Project at LLNL

Paige Witter, Brian Champine

Colorado State University, Lawrence

Livermore National Laboratory

4:20 pm

The Effect of X-ray Security Imaging on Optically Stimulated Luminescence Personnel Dosimetry

Derek Lewis, Connor Williams, Seth Kanter

Georgia Institute of Technology, Battelle

Energy Alliance, INL

4:40 pm

An alternative method to metrologically traceable dosimeter calibrations to meet high volume demands of global dosimetry services

Abdallah Mirza

Fluke Health Solutions

2:30 PM – 4:10 PM

WPM-D
Accelerator Session

Chairs: Sara Dumit, Marcia Torres

Hall of Ideas F/I

2:30 pm

Measurement of the FEL Tunneling Effect in Air at the Superconducting Linear Coherent Light Source

Andrew Rosenstrom, Shanjie Xiao, Sayed

H Rokni, Philip Heimann, Ming-Fu Lin, Lin

Zhang, Sena MacDonald

SLAC National Accelerator Laboratory,

Georgia Institute of Technology

2:50 pm

Cyclotron Contamination And Glitter: A Comparison

Elizabeth Gillenwalters

Siemens Molecular Imaging

3:10 pm

Radiation Protection Design of SLAC Cryomodule Repair and Maintenance Facility Horizontal Test Stand

Sherry Adadi, Thomas Frosio, Mario

Santana, Sayed H Rokni, Shaheen Dewji

Georgia Institute of Technology, SLAC

National Accelerator Laboratory

3:30 pm

Penetration Shielding for the MEC-U Laser Facility

Patrick Connolly, Johannes Bauer, Andrew

Rosenstrom, James C Liu, Sayed H Rokni,

Shaheen Dewji

Georgia Tech, SLAC National Accelerator

Center, SLAC National Accelerator

Laboratory, Stanford LIN Accelerator Ctr

3:50 pm

SLAC's LCLS-II Superconducting Accelerator Facility: Ramp-up to Higher Power

Johannes Bauer, Jan Blaha, Thomas

Frosio, James C Liu, Andrew Rosenstrom,

Mario Santana, Shanjie Xiao, Sayed H

Rokni

SLAC National Accelerator Center, SLAC

National Accelerator Laboratory, Stanford

LIN Accelerator Ctr

Professional Enrichment Program (PEP)

All sessions take place in the Monona Terrace Convention Center

THURSDAY

8:00 AM – 10:00 AM

PEP-TH1A

Lecture Hall

Operational Health Physics for
Beginners: Laying the Groundwork

Gregory Gibbons

Health Physics Consultant

8:00 AM – 12:00 PM

PEP-TH1B

Ballroom C

Enhancing Reproducibility in Health
Physics Calculations: Alternatives to
Traditional Spreadsheets

Joseph Salvatore Guido, Thomas LaBone
(*G William Morgan Lecturer*)

MJW Technical Services, MJW Corporation

10:30 AM – 12:30 PM

PEP-TH2A

Lecture Hall

Techniques to Communicate Program
Activities, Trends, and Program Drivers

Janet M Gutierrez

UT Health Science Ctr at Houston

PEP-TH2B

Meeting Room N/R

Radiopharmaceutical Therapy: From
Soup to Nuts

Glenn M Sturchio, James Underwood

Mayo Clinic

SAVE
THE
DATE

HPS 71st Annual Meeting

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HPS 72nd Annual Meeting

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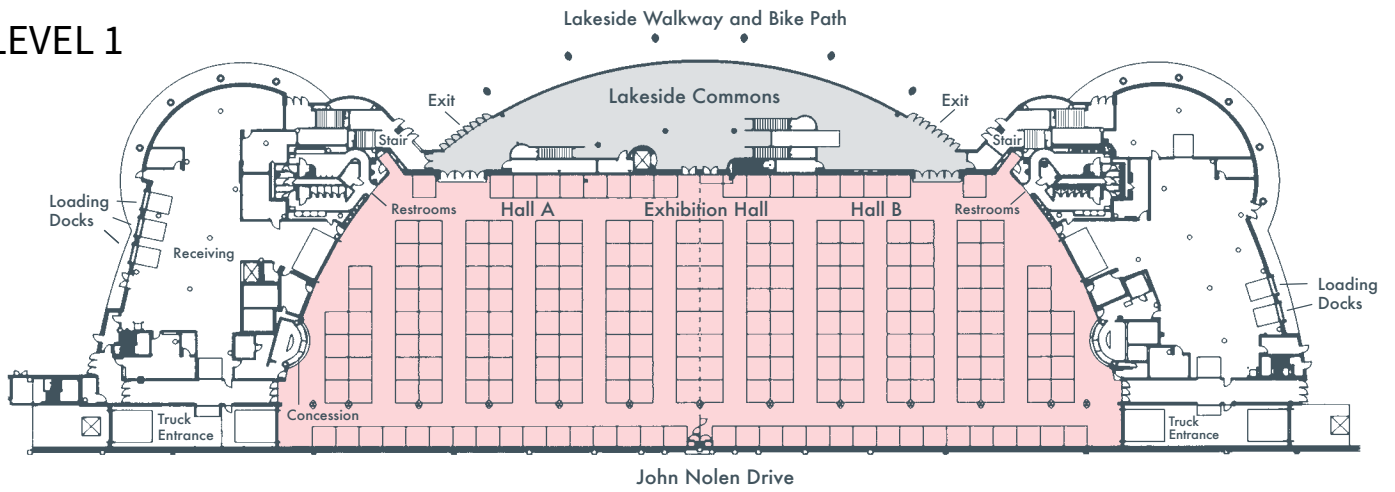
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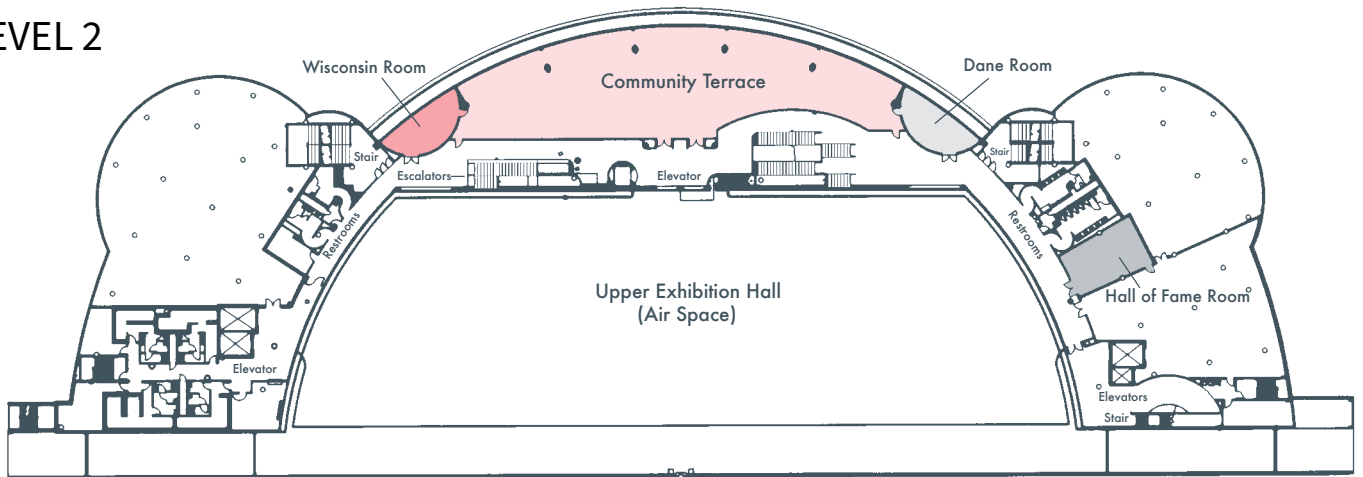
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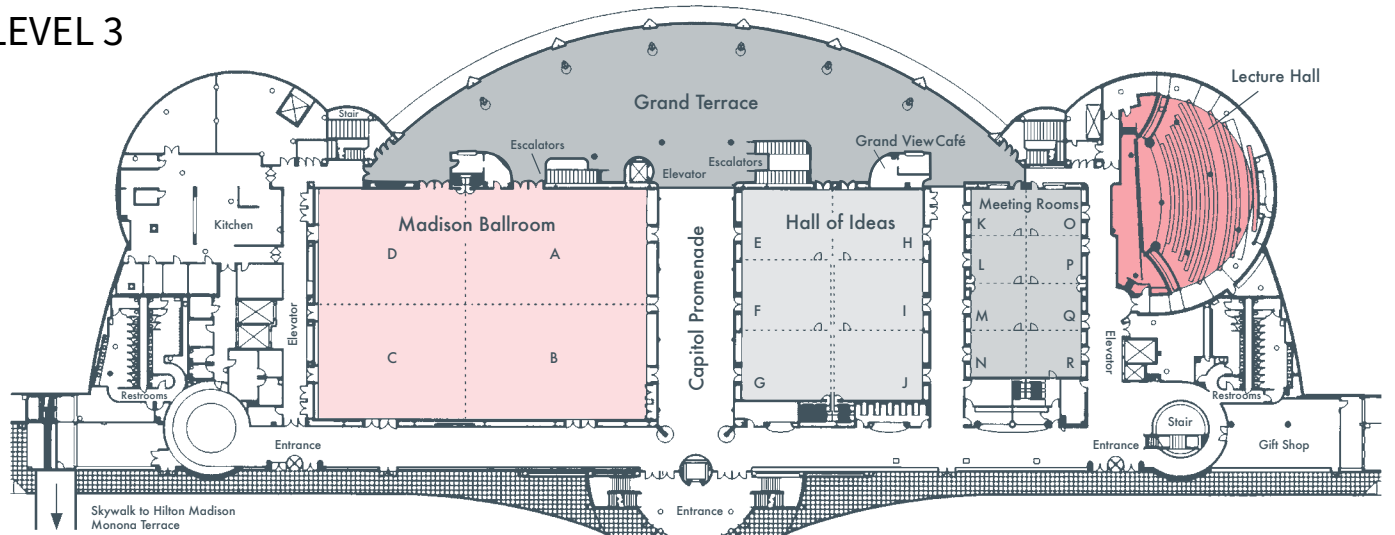
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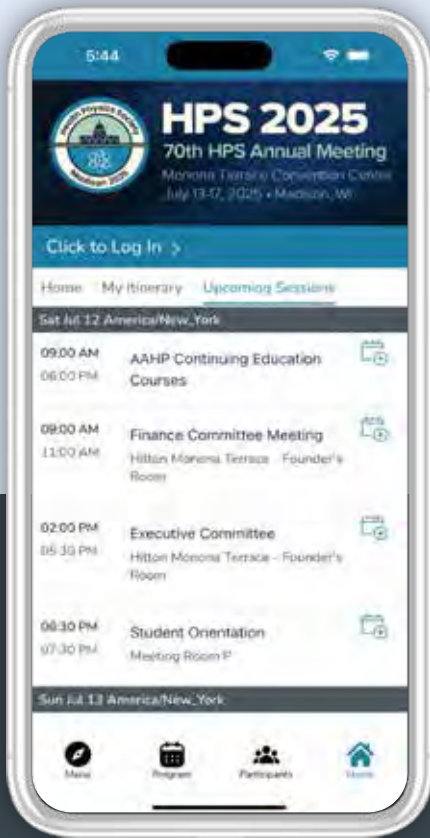


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LEVEL 3





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