



RPSD Newsletter

September, 2009

American Nuclear Society Radiation Protection and Shielding Division

<http://rpsd.ans.org>

Message from the Chair

Robert B. Hayes

Please take note, the division topical is just around the corner! This is significant in order to get your abstract submitted quickly and place your work in the queue for consideration in the final meeting proceedings which will be published in the peer reviewed ANS journal *Nuclear Technology*. We all have many journal choices in which to submit our work but the real punch to publishing through the conference is the focused readership of your work. Your published paper(s) will go to the best and brightest in the field and be placed in the hands of a large concentrated number of your peers and colleagues. Not only do we attend these meetings to see what the cutting edge in our field is, we also get to show others what the latest and greatest work we ourselves have been doing.



The conference will have regular catered meals and snacks with a registration fee well below that of National. The rooms are less than half government per diem rates and being in Vegas, flights can typically be found at bargain rates. By being placed at a Las Vegas Casino/resort, many amenities abound for attendees and guests. This conference is truly unique in that it is the only conference on the planet with a focus on radiation shielding and so literally showcases and defines what is the state of the art in our field. By including intensely interesting subjects such as medical physics, nuclear forensics and others, this conference promises to be one of the best topicals the division has ever hosted. The conference website is www.RPSD2010.com, for further information.

If that wasn't enough, the annual meetings are being intentionally focused to serve membership with many new sessions focused to meet our mission. We are here to help

you be the best nuclear professional we possibly can, if you can suggest ways to do this, we are all ears. Thank you for letting us serve you.

Meet the RPSD Executive Committee

RPSD has newly elected Executive Committee officers and members. A few of them are introduced below, and the rest of our officers and members will be introduced in our Spring 2010 newsletter. In order to get to know them a little bit better, they were asked to answer the following questions:

1. Who is your favorite nuclear physicist?
2. What is your favorite restaurant?
3. Which is your favorite element in the periodic table?
4. Which is your favorite TV channel?
5. Where is your favorite vacation spot?

Robert B. Hayes, Chair



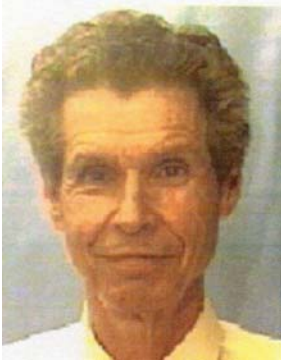
1. Fermi
2. Olive Garden
3. Darmstadtium
4. Discovery
5. Southern Utah

Charlotta E. Sanders, Vice-Chair

1. Lise Meitner
2. The Savoy (in London)
3. Au (and lots of it!)
4. Hallmark
5. New Zealand



Dick Amato, Member



1. Julian Schwinger
2. The Amato Kitchen
3. Potassium, a healthy hearty element
4. International History Channel
5. April in Paris

Everett Redmond, Member

1. Leo Szilard
2. Mexican food
3. Nitrogen
4. SyFy although I preferred their previous name SciFi
5. Anywhere that I can go Scuba Diving



Robert Singleterry, Member



1. Erwin Schrödinger (died the day I was born - maybe something significant, OK, I doubt it)
2. The old, old, old Golden Palace of the 1980's in Tucson AZ.
3. H - simplest!
4. Science Channel. Yes, I am a geek/dork/egghead (depends on your generation I guess)!
5. Anywhere but at my/SO's relatives!!!

Shaheen Dewji, Student Member

1. J. Robert Oppenheimer
2. Szechuan Chongqing Seafood Restaurant
3. Pu
4. BBC News
5. Langkawi, Malaysia



Arzu Alpan, Secretary



1. Madame Curie
2. N/A
3. Fe
4. N/A
5. Kuşadası, Turkey

Meetings & Programs

Charlotta Sanders & Eric Burgett, Technical Program Chairs

In addition to RPSD's standard sessions featuring Computational Resources for Radiation Modeling and General Topics in Radiation Protection and Shielding, we will also offer two panel discussions as part of our program at the ANS 2009 Winter Meeting in Washington D.C. The first panel discussion, *Overview of Spent Nuclear Fuel Dry Cask Storage Program*, will provide a general overview of the dry cask storage program for spent nuclear fuel as well as a more technical overview of the current storage cask designs, including shielding features. The second panel discussion, *Ethics in Professional Engineering*, will try to tackle many of the difficulties associated with engineering ethics, providing attendees with a thoughtful overview of good engineering direction for ethical considerations in the workplace.

RPSD is also sponsoring numerous tutorials at the ANS 2009 Winter Meeting. Tutorial topics include MCNP and MAVRIC (co-sponsored with YMG) as well as MCNP/MCNPX with High Energy and Heavy Ions. The tutorials are 'hands-on' sessions where the attendees are provided with an opportunity to learn how to use the various codes.

Hope to see you in Washington D.C.!

P.S. Please don't hesitate to let us know if you have any suggestions for future topics or session 'types' that you'd like to see RPSD organize.

Upcoming Topicals

American Nuclear Society - Call for Papers

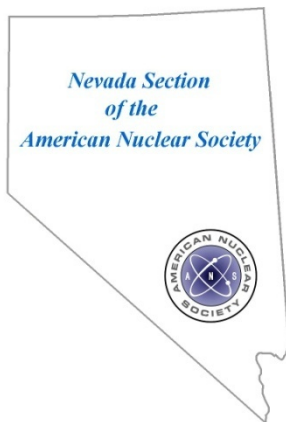
www.RPSD2010.com

**Radiation Protection and Shielding Division, Isotopes and Radiation
Division and the Biology and Medicine Division
Joint Topical Meeting - April 19-23, 2010
Palace Station Hotel and Casino, Las Vegas, NV**

Meeting Officials

General Chair	Dr. Anthony Hechanova (UNLV)
Honorary Chair	Dr. Steve Younger (NSTec)
Technical Program Chair	Dr. Robert B. Hayes (WIPP)
Finance Chair	Dr. David Stahl (Retired)
Logistics and Vendor Chair	Mr. Steve Curtis (UNLV)

Sponsors



Plenary Speakers

Dr. Thomas E. Booth: Intuition and Variance Reduction in Monte Carlo Simulations

Dr. John S. Hendricks: Monte Carlo: Past, Present, Future

Technical Tours

The Nevada Test Site

The Atomic Testing Museum

Fabulous Las Vegas Nevada Tourist Amenities

Monte Carlo Tutorials

Burnup and depletion with MCNPX and Vesta

The truly entertaining “Monte Carlo Dice Seminar”

Author Instructions

Please submit your extended abstract to the Technical Program Chair at Robert.Hayes@WIPP.ws along with preferred track and session. Using the ANS template (<http://www.ans.org/pubs/transactions>), *initial submissions must be at least 1 full page* but less than 2 full pages. Poster presentations are allowed and will be situated in front of the catered area (attendees will have to walk by the posters to get to the coffee and doughnuts etc).

Important Dates

October 10, 2009	Extended Abstracts Due
December 1, 2009	Author Notification (including <i>Nuclear Technology</i> acceptability)
December 30, 2010	Pre-registration Deadline
February 1, 2010	Final Full Papers Due
April 18, 2010	General Chairs Reception for conference attendees
April 19-23, 2010	Conference and Technical Tours
April 23, 2010	MCNPX, Tutorials, Workshops

Sessions Offered by Track (for further details see <http://local.ans.org/nv/jtm2010.html>)

Medical Physics Track
Radiation Detection and Measurement Track
Radiation Shielding Track
Radiation Protection Track
Radiation Transport Calculations Track
Radiochemistry and Nuclear Forensics

We expect an extremely well hosted meeting both through vendors and the conference itself. There is no other venue in the world which specializes in scientific and technical advances relating to radiation shielding like the RPSD topicals where all associated and allied fields are welcomed and typically very well represented. Come join us in “fabulous” Las Vegas Nevada next year where some of the most wonderful services this division has to offer are realized in the most practical venue of our biennial topical meetings.

RPSD Officers and Committees

Officers:

Chair: Robert Hayes, WIPP, robert.hayes@wipp.ws
Vice Chair: Charlotta Sanders, UNLV, sander59@unlv.nevada.edu
Secretary: F. Arzu Alpan, Westinghouse, alpanfa@westinghouse.com
Treasurer: Scott Mosher, ORNL, moshersw@ornl.gov

Executive Committee: (year term expires)

Richard S. Amato (2011), padamato@verizon.net
John D. Court, LANL (2011), davec@lanl.gov
Michelle Sutton Ferenci, Penn State (2011), michelle.sutton@mindspring.com
Everett L. Redmond II, NEI (2010), elr@nei.org
X. George Xu, RPI (2010), xug2@rpi.edu
Wayne Newhauser, Univ. of Texas M.D. Anderson Cancer Center (2012),
wnewhauser@mdanderson.org

Shaheen Dewji, Georgia Tech (2010), shaheen.dewji@gatech.edu
Robert Singleterry, NASA (2012), robert.c.singleterry@nasa.gov
Pedro Vaz, ITN (2010), pedrovaz@itn.pt

Standing and Special Committee Chairs:

Program – Charlotta Sanders, UNLV, sander59@unlv.nevada.edu & Eric Burgett,
Georgia Tech., eric.burgett@nre.gatech.edu

Membership – Arzu Alpan, Westinghouse, alpanfa@westinghouse.com

WWW Site & Bylaws - Erik Shores, LANL, eshores@lanl.gov

Honors and Awards – Dave Court, LANL, davec@lanl.gov

Scholarship – John Poston, TAMU, j-poston@tamu.edu

Benchmarks – Dick Amato, BAPL, amators@bettis.gov

Standards – Bill Hopkins, Bechtel, retired, wchopkins@insightbb.com

ANS Board Liaison – Joe F. Colvin

Staff Liaison – Sharon S. Kerrick

Ex-Officio – Donald R. Hoffman, John C. Wagner, John S. Hendricks