The 59th Annual Meeting of the Health Physics Society  
13–17 July 2014, Baltimore, Maryland

This special issue of *Health Physics News* brings you photographs and information from the Baltimore annual meeting. Thank you to all who contributed and to Health Physics Society Photographer Casper Sun for providing the majority of the photos!

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2014–2015 Health Physics Society Leadership

Officers

President
Barbara Hamrick

President-elect
Nancy Kirner

Past President
Darrell Fisher

Secretary
Elizabeth Brackett

Treasurer
Kathleen Singleton

Secretary-elect
Eric Goldin

Executive Director
Brett Burk

Directors

Cheryl Olson

Tracy Ikenberry

David Simpson

Michael Stabin

Steve King

John Lanza

Elizabeth Gillenwalters

Sander Perle

Ken Krieger

Submitted photos
Thank You to Retiring Officers and Directors

2014–2015 President Barbara Hamrick receives the gavel from 2013–2014 President Darrell Fisher

2013–2014 President-elect Barbara Hamrick (left) presents the rubber chicken and companion Mickey Mouse to 2014–2015 President-elect Nancy Kirner

2013–2014 Immediate Past President Armin Ansari

2013–2014 Treasurer Nancy Daugherty

2011–2014 Director L. Samuel Keith

2011–2014 Director Mark A. “Andy” Miller

2014 Health Physics Society Awards

2014 Fellow Members, left to right, Cheryl L. Olson, Donald A. Cool, Thomas Johnson, Jerry W. Hiatt, John D. Boice, and Debbie B. Gilley
2014 Health Physics Society Awards

George D. Kerr
Robley D. Evans
Commemorative Medal

William (Jack) Beck
2014 Founders Award

Bill Turner
accepting 2014 Founders Award
Memorialization for his father, James E. Turner

Wesley E. Bolch
2014 Distinguished Scientific Achievement Award

Robert L. Brent receiving the 2014 Distinguished Public Service Award from Past President Armin Ansari and a kiss from his wife Lillian

Brenda Hallbauer, Hannibal High School, Hannibal, Missouri – 2014 Geoffrey G. Eichholz Outstanding Science Teacher Award

Joshua Mocherman, Riverview High School, Sarasota, Florida – 2014 Geoffrey G. Eichholz Outstanding Science Teacher Award

Lester K. Aldrich, posthumous American Academy of Health Physics 2014 William McAdams Outstanding Service Award

Bryce L. Rich (left) receiving the American Academy of Health Physics 2014 Joyce P. Davis Award from Tim Taulbee
Photo courtesy of Genevieve Roessler

Michael Davidson’s brother Rick accepting the 2014 Honor Roll Award presented in Michael’s memory

Donald Jacobs’ wife Mary accepting the 2014 Honor Roll Award presented in Donald’s memory by Howard Dickson (left) and Mike Mahathy
Photo courtesy of Jack Beck

Photo courtesy of HPS website

Brenda Hallbauer, Hannibal High School, Hannibal, Missouri – 2014 Geoffrey G. Eichholz Outstanding Science Teacher Award
During the student reception at the 59th Annual Meeting in Baltimore, HPS President Darrell Fisher presented Alcorn State University Professor Jeremiah Billa with a Presidential Special Merit Award for outstanding contributions to health physics program development and student mentoring. Billa directs the health physics program in Alcorn’s Department of Advanced Technologies.

“For the past two years, I have noticed that Alcorn State University has helped more students attend and actively participate in the annual and midyear meetings of the Society than any other university in the country,” said Fisher.

With grant support from the Nuclear Regulatory Commission’s Integrated University Program and corporate support from Entergy, Billa has succeeded in encouraging broad participation in Alcorn’s graduate and undergraduate program in radiation technology, nuclear engineering technology, and medical radiologic science technology. With additional support from the Department of Energy and the National Nuclear Security Administration, in association with Los Alamos National Laboratory, Billa has developed outstanding educational and research opportunities for students in the health physics program at Alcorn State University.

At the 2014 meeting, Accelerator Section President Jason Harris was proud to present on behalf of the section the H. Wade Patterson Memorial Award and the Lutz Moritz Memorial Award and to recognize two other students with honorable mention certificates. Left to right, Natalie Januzis, Honorable Mention (Duke University, “A Novel Correction Method for Effective Dose in the Point Dose Method: A Case Study—Parathyroid CT Scans”); Lienard Chang, 2014 Lutz Moritz Memorial Award (Georgetown University, “Organ Dose Conversion Coefficients for Pediatric Reference Computational Phantoms Exposed to External Photon Radiation Fields”); Jason Harris; Austin Morris, Honorable Mention (Idaho State University, “Upgrade of a Calibration Facility: Increased Source Strength Transfer, Modification of Shielding to Reduce Skyshine, and Quality Assurance of Calibration”); and Bindu KC, 2014 H. Wade Patterson Memorial Award (Idaho State University, “Production of ⁶⁷Cu Using Linear Accelerator”)

**Military Health Physics Section Awards**

William M. “Bill” Beckner (right) receiving the John C. Taschner Leadership Award from Taschner

Lee A. Alleman, Lieutenant, Medical Service Corps, U.S. Navy – Young Military Health Physicist of the Year Award (left)

David P. Alberth, Major (retired), U.S. Army Superior Civilian Service Award (right)
Student Fellowships/Scholarships

These fellowships support full-time entering or continuing students in a U.S. graduate program in health physics or a related field.

Health Physics Society Fellowships
Chu Wang, Duke University
Nelia Long, University of Florida

Burton J. Moyer Fellowship
Matthew Riblett, Virginia Commonwealth University

Robert Gardner Fellowship
Adamu Kadiri, Idaho State University

Robert S. Landauer Fellowship
Brett Rosenberg, Colorado State University

Richard J. Burk, Jr. Fellowship
Jose Trevino, Texas A&M University

J. Newell Stannard Fellowship
Tyler Cantrell, Francis Marion University

Dade W. Moeller Fellowships
John Brogan, Colorado State University
Jessica Gillis, Colorado State University

Dade W. Moeller Kelly Austin Scholarship
Trang Marquez, Fred Hutchinson Cancer Research Center

Travel/Worker Grant Recipients
These are grants for health physics students to attend the 2014 HPS Annual Meeting in Baltimore

Olumuyiwa Alao, Afe Babalola University
Michael Atkins, Alcorn State University
Joseph Ball, Colorado State University
Travis Bennett, Idaho State University
Mathew J. Bensen, University of Nevada Las Vegas
Obed Brempong, Alcorn State University
Amy Brito Delgado, University of Texas Health Science Center, San Antonio
Matthew Carradine, Alcorn State University
Zahra Chandani, McMaster University
Caitlin Condon, Oregon State University
Alice Damanka, Alcorn State University
Jared Debaucher, Lakeshore Technical College
Shimi Didla, Alcorn State University
Joseph Dimpah, Alcorn State University
Thuquynh Dinh, University of Massachusetts, Lowell
Mamzell Dordor, Alcorn State University
Lois Dorsey, Alcorn State University
Yiming Gao, Rensselaer Polytechnic Institute
Bernaby Garcia, Texas State Technical College
Bibek Gautam, Idaho State University
Jordan Gilbert, University of Oklahoma Institute of Technology
William Godwin, University of Florida
Hannah Graham, University of Oklahoma Institute of Technology
Iesha Green, Alcorn State University
Natalie Januzis, Duke University
Mason Jaussi, Idaho State University
Bindu KC, Idaho State University
Eric Krage, Idaho State University
Roberta Laiing, Alcorn State University
Mary Leonard, Oregon State University
Hui Lin, Rensselaer Polytechnic Institute
Ruirui Liu, Oregon State University
Brett Mattson, Duke University
Dayton McMillan, Colorado State University
Suaad Meerkhan, Lund University
Amy Meldrum, Clemson University
Matthew Millard, Clemson University
Austin Morris, Idaho State University
Kevin Myers, University of Massachusetts, Lowell
Kishor Paudel, Idaho State University
James Pittman, Alcorn State University
Deepesh Pould, Idaho State University
Robert Puckett, University of Massachusetts, Lowell
Deborah Quaye, Alcorn State University
Tina Reeves, University of Massachusetts, Lowell
Michelle Sands, University of Florida
Bryan Schwarz, University of Florida
Manit Shah, Texas A&M University, College Station
Omar Shattila, Colorado State University
Mike Tabriz, University of Massachusetts, Lowell
Taiwo Tejuoso, Illinois Institute of Technology
Bruce Toomire, Illinois Institute of Technology
Trung Tran, University of Florida
Margarita Tzivaki, University of Ontario Institute of Technology
Tofiz Uddin, National Institute of Cancer Research and Hospital, Bangladesh
Matthew Verlie, United States Army Public Health Command Health Physics Program
Ashley White, Alcorn State University
Denease White, Alcorn State University
Albert Watten, Texas State Technical College
Kanru Xie, Illinois Institute of Technology
Kristofer Zieb, Rensselaer Polytechnic Institute

Local Arrangements Committee

Director:
Andy Miller

Cochairs:
Jack Patterson and Janna Shupe

Members:
John Crapo
Philip Egidi
Colt Greer
Thomas P. Johnston
Jim Lewis
Brian Livingston
Paul Marshall
Kathy McLellan
Tanya Oxenberg
Kristine Patterson
Robert Philips
Victoria Potuck

Greg Smith
Matthew Spierenberg
Jean Carlo Torres
Ed Tupin
Tom Youngblood
Plenary Session

Allison M. Macfarlane, Nuclear Regulatory Commission Chairman, “Regulatory Perspectives on Radiation Protection”

Ralph L. Andersen, Nuclear Energy Institute, Robert S. Landauer Lecture, “Power Reactor Radiation Safety: The First 50 Years and Beyond”

John D. Zimbrick, Colorado State University, Dade Moeller Lecture, “Low-Dose Radiobiology Studies and Radiation Dose Limits: Is the Knowledge Gap Narrowing?”

Toshiso Kosako, the University of Tokyo, G. William Morgan Lecture, “What Kind of Lessons of Radiation Protection Have We Learned From Serious Radiation and Nuclear Accidents?—Fukushima Daiichi NPP Accident and Other Disasters”

Renate Czarwinski, International Radiation Protection Association (IRPA) President, “Implementing the Radiation Protection System—IRPA’s Role and Perspective”

A Sampling of Sessions and Continuing Education Lectures

Alan Brodsky (left) and Mike Boyd at International Collaboration Committee Special Session: Recovery from Large Scale Nuclear Contamination—What Have We Learned?

Eugene H. Carbaugh “The 1976 Hanford Americium Accident—Then and Now”

Left to right, Donald Cool, Cindy Flannery, and Richard L. Conatser during Special Session: Revisions to NRC Regulations for Radiation Protection, 10 CFR Part 20 and 10 CFR Part 50 Appendix A

Anthony Huffert (left) presenting “Overview of the United States Nuclear Regulatory Commission’s Radiological Assessment System for Consequence Analysis (RAS-CAL) Code Version 4.3 while Ronald Goans listens and prepares for his talk

George Kerr “Overview of Residual Radiation Exposures to Neutron Activation Products at Hiroshima and Nagasaki”

L. Scott Walker “Crafting Fault Studies for Accelerator Shielding Validation”
The Student Support Committee (SSC) of the Health Physics Society (HPS) kicked off the first ever HPS Quiz Bowl at this year’s 59th HPS Annual Meeting held in Baltimore, Maryland. This event came to fruition after a few years of thought and planning by the SSC about how to better engage students and academic programs at the annual meeting. The quiz bowl was a huge success.

Four teams—Colorado State University (CSU), Duke University (Duke), Idaho State University (ISU), and the University of Massachusetts-Lowell (UMass-Lowell)—faced off for two exciting rounds of rapid-response health physics questions. At the end of a very close competition, it was the CSU team that walked away with the victory after a timer-beating tie-breaking answer. Coming in a close second was ISU, in third place was UMass-Lowell, and in fourth place, with an incomplete team, was Duke.

Team members from CSU were Joe Ball, John Brogan, Jessica Gillis, and Omar Shatila; from ISU were Mason Jaussi, Austin Morris, and Deepesh Poudel; from UMass-Lowell were Thuquynh Dinh, Elizabeth Mohan, Robert Puckett, and Tina Reeves; and from Duke were Chu Wang and Brett Mattison.

Fun was had by all following the lead of the two impeccable judges, David Medich, PhD, of Worcester Polytechnic Institute, and Tom Johnson, PhD, of CSU. Congratulations to all the participants for representing their schools proudly. If you were not there, you truly missed out!

Special thanks to Brett Burk, Jennifer Rosenburg, Lori Strong, Tim Taulbee, Brookhaven Science Associates, Brookhaven National Laboratory’s Office of Educational Programs (specifically Cathy Osiecki for her guidance and major contribution), and the Quiz Bowl Subcommittee (Joy Epps, Audrey Evelan, Dayton McMillan, Mike Stabin, Charles Wilson, Blake Currier, and Brian Serencstis) for their contributions and support of this inaugural event.

The SSC is looking forward to hosting a bigger and better HPS Quiz Bowl at next year’s annual meeting in Indianapolis. We want more teams of students and young professionals represented! Please be on the lookout for next year’s registration! In the meantime, if you know that you are interested in participating next year or even considering it, send an email to Joy Epps at jepps@bnl.gov and she will add you to a mailing list to keep you informed on updates and deadlines for next year’s quiz bowl! We’ll see you there!
The Web Operations book drawing held at the 2014 Health Physics Society Annual Meeting in Baltimore was a great success! A big thank you to the following authors and publishers whose donations made it possible for us to give away more than 70 books, worth over $5,400. If you had your eye on a book that you didn’t win, here is ordering information:

- **Applications of Probability and Statistics in Health Physics, HPS 2000 Summer School** – Editor Thomas Borak (available at [hps.org/documents/summerschoolorderform.pdf](http://hps.org/documents/summerschoolorderform.pdf))


- **Elmer and Me** – Kenneth L. Miller (available at [amazon.com](http://amazon.com), ISBN: 978-1-4567-4922-4)


Non-Ionizing Radiation: An Overview of the Physics and Biology, HPS 1997 Summer School – Editors Kenneth Hardy, Martin Meltz, and Randolph Glickman (available at hps.org/documents/summerschoolorderform.pdf)

Practical Applications of Internal Dosimetry, HPS 2002 Summer School – Editor Wesley E. Bolch (available at hps.org/documents/summerschoolorderform.pdf)


Radiation Answers: Answers to Your Questions About Radiation and You – Health Physics Society (available at amazon.com)


If you would like to donate radiation safety-related books for the Web Ops Book Drawing at the 2015 HPS Annual Meeting in Indianapolis, please contact News Editor Mary Walchuk.

The HPS Web Operations Ask the Experts editors working hard to provide the best answers.

Left to right, Editor in Chief Genevieve Roessler, John Jacobus, Orhan Suleiman, Gary Zeman, and Kelly Classic

Photo courtesy of Mary Walchuk
And More!

The Department of Energy National Nuclear Security Administration held a demonstration of federal and state radiological emergency response assets available within the National Capital Region.

The T-Shirt and Hat Booth

The Speaker Ready Room

The Internet Cafe

Some of the members of the Program Committee, left to right, Brian Lemieux, Paul Burress, Hanna Graham, Tim Taulbee, Tony Mason, Tim Kirkham, and Matthew Millard

The Registration Desk

The Hoosier Chapter hosted a booth encouraging attendance at the 2015 HPS Annual Meeting 12–16 July in Indianapolis

Photo courtesy of Jeff Mason