

Health Physics Society (HPS) Section Mid-Year Report

General Information

Section Name: Accelerator Section

Reporting Period: July 2010 – December 2010

Mailing Address: Address of current section secretary (1985 E 25th Street, Idaho Falls, ID 83404-6461)

Dues: \$5.00

Membership: 144 [Count as of 12/31/10]

Charter Date: August 24, 1993 (revised)

Sponsorship of HPS special sessions or regional/topical meetings? Yes

2010 Accelerator Section Special Session. The Accelerator Section Special Session at the 55th Annual Meeting of the HPS was held in Salt Lake City, Utah, on Tuesday, June 29, from 8:30 AM to 5:30 PM. The AM session was co-chaired by Kamran Vaziri and Linnea Wahl and the PM session was co-chaired by Henry Kahnhauser and Mike Grissom. We were successful in our bid for a 2010 Moeller Lectureship Award (Bob Casey), had invited papers by Ken Barat and Sayed Rokni and the special session went well with fourteen talks presented for the day. An additional, regular Accelerator Session was held on Wednesday, June 30th co-chaired by Gary Zeman and Henry Kahnhauser with an additional five talks.

2011 HPS Mid-Year Meeting. For the February 2011 HPS Mid-Year in Charleston, South Carolina, Sam Baker on behalf of the Section set up an Accelerator Special Session for this topical meeting on "Radiation Measurements." Eight presentations on accelerator-related topics will be made during our session Wednesday, February 9, 2011 at 1 PM. Sam received support from Carter Ficklen in this endeavor. Sam and Roger Maroney will be co-chairing the special session. For the 2011 Mid-year you say eight abstracts will be presented.

2011 Professional Development School. The Accelerator Section's Rich Brey is developing a meeting in Pocatello, Idaho (about May 2011 - dates to be specified later) that originally was planned as a regulator workshop on accelerators but now is likely to become a 2011 HPS PDS. The working title is "Accelerator Operations and Regulation." We envision a day or less of Photonuclear Physics, same amount of time on fundamentals of accelerator operational principles, and a day or more on regulatory concerns. Speakers from the NRC, CRCPD and possibly FDA will be solicited. The national HPS indicated general support at the 2010 HPS Annual Meeting and has been contacted re sponsorship/vendor support issues. Rich's colleagues at Idaho State University have been contacted and a meeting site identified.

2011 Accelerator Section Special Session. The Accelerator Section Special Session will be held at the 56th Annual Meeting of the HPS in Palm Beach, Florida, with a focus on "Neutrons from Accelerators." This session will include two long invited paper/possible lectureship presentations. The Accelerator Section's Special and Regular Sessions are expected to be held on Tuesday, June 28, from 8:30 AM to 5:30 PM, with several talks expected. Session chairs will include Mike Grissom and Rich Brey with more to be designated as needed.

Collaborations with other societies or sections? Yes

2013 Mid-Year Meeting. A significant effort has been expended in developing a possible joint topical Mid-Year Meeting and associated Professional Development School (PDS) for the 2013 HPS Mid-Year in Scottsdale, Arizona. The Medical Health Physics Section has been asked to take the lead for the Mid-Year and also to participate in the PDS. National and local Arizona AAPM members have been contacted in regards to this effort. Mike Grissom is expected to meet with local Arizona members Bob Metzger and past HPS President Ken Mossman in January 2011 to discuss the meeting proposal from a local viewpoint.

Website: <http://hpschapters.org/sections/accelerator/>

Section Leadership

- President: Mike Grissom (2011)
- President-Elect: Rich Brey (2011)
- Secretary: Mike Sandvig (2011)
- Treasurer: Steve Frey (2012)
- Past-President: Linnea Wahl (2011)
- Section Council/Board Member: Lorraine Day (2013)
- Section Council/Board Member: Eric Burgett (2013)
- Section Council/Board Member: Sam Baker (2011)
- Section Council/Board Member: Elsa Nimmo (2012)
- Section Council/Board Member: Reg Ronningen (2012)
- Section Council/Board Member: Jack Topper (2012)
- Newletter Editor: Keith Heinzelman (2011)
- Other (please specify):
 - Kamran Vaziri, HPS Ask the Expert Topic Editor
 - Patricia L. Lee, HPS Board Liaison

Financial Status

- Account Balance as of 12/31/2010 \$ 9,416.21
- Income Received (Q4CY10) as of 12/31/2010
 - Dues \$ 200.00
 - Contributions \$ 0
- Expenses Paid (Q4CY10) as of 12/31/2010
 - Collection and Management Fees \$ 20.00
- Net Increase for Fiscal Year (Q4CY10) \$ 180.00

Other Meetings/Activities

- **2010 Accelerator Section Business Meeting.** The Accelerator Section held its annual business meeting on June 29, 2010, during the 55th Annual Meeting of the HPS in Salt Lake City, Utah. Newly elected officers were announced and assumed their positions. Student awards were presented. The minutes of this meeting are posted on the section website <http://hpschapters.org/sections/accelerator/documents.php3>.
- **2010 Accelerator Section Executive Board of Directors Meeting.** The Accelerator Section Board of Directors (BOD) met on June 27, 2010, during the 55th Annual Meeting of the HPS. The election results were announced and certified for presentation to the general membership at the section business meeting. The BOD

approved exploring supporting the 2013 HPS Mid-Year and a possible PDS in Scottsdale, Arizona. The BOD also tasked Mike Grissom with setting up teams to review the Section's By Laws and related documents. See the meeting minutes at <http://hpschapters.org/sections/accelerator/documents.php3>.

- **2010 H. Wade Patterson Memorial Award.** At the 2010 Accelerator Section Special Session in Salt Lake City, the section announced the honoree for the H. Wade Patterson Memorial Award, presented each year to recognize an outstanding student in accelerator health physics (<http://hpschapters.org/sections/accelerator/awards.php3>). The student was also recognized at the 2010 HPS Awards Reception and Banquet by Past-President Richard Toohey. The judges were Kamran Vaziri, Sam Baker and Reg Ronningen. The winner of the H. Wade Patterson Award was Michael I. Hall, University of Tennessee, for his poster titled: "The Estimates of Skin and BFO Dose Rates, Dose Equivalent Rates and Accumulated Doses for Human Crews on the Surface of the Moon from 15 January 2005 Solar Energetic Particle Event Using Earth-Moon-Mars Radiation Environment Module." Michael received a plaque and \$150 check.
- **2010 Lutz Moritz Memorial Award.** At the 2010 Accelerator Section Special Session in Salt Lake City, the section announced the honoree for the Lutz Moritz Memorial Award, presented each year (starting in 2010) to recognize an outstanding student in accelerator health physics (<http://hpschapters.org/sections/accelerator/awards.php3>). The student was also recognized at the 2010 HPS Awards Reception and Banquet by Past-President Richard Toohey. The judges were Kamran Vaziri, Sam Baker and Reg Ronningen. The Lutz Moritz Award was given to Samuel L Brady. He was finishing his PhD at Duke. His presentation was titled "Radiation Dosimetry for 10 MeV Neutrons Using XRQA Radiochromic Film." Samuel received a plaque and \$150 check.
- **2010 Dade Moeller Lectureship Award.** Bob Casey was nominated and awarded the 2010 Dade Moeller Lectureship Award. Bob presented his lecture at the first Accelerator Section Special Session on Tuesday, June 29, 2010, at 8:45 AM.
- **2010 HPS Honor Roll Award.** Lutz Moritz (1943—2008) was nominated and awarded membership on the 2010 HPS Honor Roll. The award was announced at the awards banquet held at the 55th annual meeting in Salt Lake City.
- **2011 G. William Morgan Lectureship Award Nominee.** J. Donald Cossairt was approved by the Section BOD for nomination for the 2011 G. William Morgan Lectureship Award. If so recognized, Don will present his lecture titled "Chadwick's Neutron and the Role of New Particles in Accelerator Health Physics" either at the AM Accelerator Section Special Session on Tuesday, June 28, 2011 or at the Plenary Session on Monday, June 27, 2011.
- **2011 Dade Moeller Lectureship Award Nominee.** L. Scott Walker was approved by the Section BOD for nomination for the 2011 Dade Moeller Lectureship Award. If so recognized, Scott will present his lecture titled "High Energy Neutrons: Past, Present and Future Dosimetry, Measurement and Spectroscopy" at the AM Accelerator Special Session on Tuesday, June 28, 2011 in Palm Beach, Florida.
- **2011 HPS Founders Award Nominee.** A nomination for the HPS 2011 Founders Award was submitted to Howard Dickson, HPS Awards Committee Chair, on November 1, 2010.

- **2011 Elda E. Anderson Award Nominee.** A nomination for the HPS 2011 Elda E. Anderson was submitted to Howard Dickson, HPS Awards Committee Chair, on January 19, 2011.
- **2011 Accelerator Section Student Awards.** We will be selecting one student's work submitted to the annual meeting to receive the H. Wade Patterson Memorial Award and another student's work for the Lutz Moritz Memorial Award. Like the H. Wade Patterson Memorial Award, the Lutz Moritz Memorial Award will be presented to a promising health physics student who has submitted an outstanding talk or poster on accelerator radiation protection. Each award will provide the winner with a \$150 check and plaque. See details of these awards on the Accelerator Section website (<http://hpschapters.org/sections/accelerator/awards.php3>).
- **Accelerator Section Elections.** A new Section Nominating Committee Chair person will be appointed in the coming weeks. There is a possibility that in addition to officers the Section's ballot for 2011 will include proposed changes to the Accelerator Section By Laws and related documents if members identify needed adjustments in time.
- **Accelerator Section Website.** The Accelerator Section website (<http://hpschapters.org/sections/accelerator/>) continued to be maintained and updated by Section officers and as assisted by the HPS webmaster, Ruedi Birenheide. It includes a feature for asking questions related to accelerator health physics, which links to the HPS Ask the Expert website where Accelerator Section member and past president Kamran Vaziri responds to questions that are submitted. Other additions to the website include a standard operating procedure for the Accelerator Section board members' duties (<http://hpschapters.org/sections/accelerator/documents.php3>) and a definition of an accelerator health physicist (<http://hpschapters.org/sections/accelerator/whatis.php>).
- **Accelerator Radiation Safety Newsletter.** We prepared and distributed the fall and winter 2010 quarterly issues of the Accelerator Radiation Safety Newsletter, with the spring and summer 2011 issues planned for late March and June. The newsletter is distributed internationally via e-mail to all members of the Accelerator Section and to others interested in accelerator safety. The newsletter is also available on the web at <http://www.hps.org/iarpe>. The contents of the newsletters included reports from officers of the Accelerator Section and news from correspondents at accelerator facilities around the world.
- **ANSI N43.1.** ANSI N43.1 was submitted late in 2009 by James Liu, SLAC National Accelerator Laboratory, and Scott Walker, Los Alamos National Laboratory, to Bill Morris, ANSI N43 Committee Chair, for voting to approve publication prior to the HPS 2010 Annual Meeting. The draft standard was approved late in 2010 and an article was provided in the winter 2010 issue of the Accelerator Radiation Safety Newsletter regarding that accomplishment by Scott Walker. See the ANSI N43 website at <http://hps.org/aboutthesociety/organization/committees/committee31.html>
- **Elections to the HPS Board of Directors.** In 2010, the Accelerator Section nominated a section member as a candidate for HPS president-elect for the fall 2010 HPS elections, but our candidate was not selected for the final ballot. The Section is considering a new submission for the fall 2011 HPS elections.

Additional Comment/Concerns/Suggestions

The Accelerator Section continues to be concerned about the issue of declining membership. The Section strongly supports HPS President Ed Maher's membership initiatives, but progress in getting new members has not been significant to date.

Report prepared by Linnea Wahl, Mike Grissom, Steve Frey, Rich Brey, Mike Sandvig, Keith Heinzelman