

Jason P. Hayward

Education

- 2007 Ph.D. in Nuclear Engineering and Radiological Sciences, University of Michigan, Ann Arbor, MI
Dissertation: *Charge loss correction and inter-strip interpolation in a high-purity germanium double-sided strip detector*
Chair: Professor David K. Wehe
Committee: Emeritus Professor Glenn Knoll, Emeritus Professor Leslie Rodgers, Professor Zhong He
- 2004 M.S.E. in Nuclear Engineering and Radiological Sciences, University of Michigan, Ann Arbor, MI
- 1999 B.S. in Physics and Mathematics, Valparaiso University, Valparaiso, IN

Professional Experience

- 2008-2009 Assistant Professor of Nuclear Engineering, University of Tennessee, Knoxville, TN;
Joint Faculty Appointment, Nuclear Materials Detection & Characterization group, Global Nuclear Security Technology Division, Oak Ridge National Lab, Oak Ridge, TN
- 2004 – 2007 Graduate Student Research Fellow, Research Assistant, Instructor; Department of Nuclear Engineering and Radiological Sciences, University of Michigan, Ann Arbor, MI
- 2003-2007 U.S. Naval Reserve Officer, Office of Naval Research / Naval Research Lab unit 109, Chicago, IL
Research liaison / administrator, Engineering Duty Officer
- 2003-2004 Graduate Student Research Assistant, Department of Radiation Oncology Physics, University of Michigan, Ann Arbor, MI
- 1999-2003 U.S. Naval Officer, Naval Nuclear Power Training Command, Goose Creek, SC
Instructor of Reactor Dynamics & Core Characteristics, 2002-2003
Instructor of Reactor Principles, 2000-2002
Instructor of Physics, 1999-2000

Honors and Awards

- 2009 Dean's Junior Faculty Research Excellence Award (recognizes extraordinary success in grantsmanship)
- 2009 University of Tennessee Quest Scholar of the Week (recognizes outstanding work regardless of discipline)
- 2009 Provost's Junior Faculty Fellow (recognized as an outstanding tenure-track faculty member)
- 2007 University of Michigan College of Engineering Distinguished Achievement Award (recognizes top graduate student in each department)
- 2005-2007 NASA Graduate Student Research Program Fellow (about 100 fellowships given out nationwide per year)
- 2005 Top 10% of College of Engineering Graduate Student Instructors
- 2004-2007 American Nuclear Society Graduate Scholarship
- 1999 Valparaiso University Christ College (honors college) Scholar (40 hours of humanities coursework required)

Professional societies and service

Member of Institute of Electrical and Electronic Engineers
Member of Institute of Nuclear Materials Management (student chapter faculty advisor)
Member of American Nuclear Society (Arrangements chair for local section)
Member of American Society of Engineering Education

Reviewer for Nuclear Instruments and Methods A
Reviewer for IEEE Transactions on Nuclear Science
Reviewer for Nuclear Engineering and Technology

Research expertise

Radiation detection and measurement, nuclear security and safeguards, nuclear instrumentation, medical and health physics