

Curriculum Vitae (Updated May 18, 2022)

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Education:

University of Colorado, Ph.D. (nuclear physics), 1984
University of Colorado, M.S. (physics), 1982
Indiana University, B.S. (physics, Cum Laude), 1980

Employment:

Program Manager, Office of Nuclear Physics, Dept. of Energy (2022-present)
Professor, Ohio University, Dept. of Physics and Astronomy (1997-2022)
Program Manager for Heavy Ion Physics, DOE (2021-present)
Program Director for Experimental Nuclear Physics, NSF (2014-2016)
Associate Professor, Ohio University, Dept. of Physics and Astronomy (1992-1997)
Assistant Professor, Ohio University, Dept. of Physics and Astronomy (1988-1992)
Research Scientist, Tri-University Meson Facility, Canada (1985-1988)
Postdoctoral Researcher, Tri-University Meson Facility, Canada (1984-1985)

Awards:

Fellowship (3 mo.), Japan Atomic Energy Association, (twice: 2012; 2017)
Graselli-Brown Teaching Award in the Natural Sciences, September 2011
Fellow, American Physical Society, November 2004
Presidential Research Scholar, Ohio University, December 2004

Grants:

National Science Foundation, \$448,000 (2017-2020)
National Science Foundation, \$521,900 (2013-2016)
National Science Foundation, Major Research Instrumentation, \$114,183 (2012)
National Science Foundation, \$465,000 (2010-2012)
National Science Foundation, Major Research Instrumentation, \$694,000 (2008)
National Science Foundation, \$426,000 (2007-2009)
Ohio University Research Priorities Program, \$1,342,000 (2004)
National Science Foundation, \$215,000 (2005-2006, Carman, co-PI)
National Science Foundation, \$1,177,085 (2003-2005, Carman, Opper, Lucas co-PIs)
National Science Foundation, \$1,020,000 (2000-2002, Carman, Opper, Lucas co-PIs)
National Science Foundation, \$320,000 (3-year award for 1997-1999)
National Science Foundation, \$312,000 (3-year award for 1994-1996)
National Science Foundation, \$211,350 (3-year award for 1991-1994)
National Science Foundation, \$90,194 (2-year award for 1989 and 1990)

Selected Leadership Roles at International Conferences:

Secretary-Treasurer, *Fall APS/DNP Meetings*, Hawaii, DC & Virtual, 2018-2020.
Conference co-Organizer, *Reimei Workshop*, Tokai, Japan, (twice: 2017; 2019).
Conference co-Organizer, *Topical Group for Hadron Physics*, Baltimore MD, 2015.
Workshop co-Organizer, *Preconference APS/DNP Meeting*, Waikaloa HI, 2014.
Conference Organizer, *Ohio Section APS Spring Meeting*, Athens OH, 2013.
Invited Plenary Speaker, *Nanoscience and Quantum Physics*, Tokyo, Japan, 2012
Program Committee, *New Hadron Spectroscopies/Dynamics*, South Korea, 2012

Graduate Student Theses/Dissertations Directed: 14

Undergraduate Student Honors Projects Directed: 14

Selected Leadership Roles in Research and Teaching:

Project Implementation Planning Committee, KEK, Tsukuba, Japan, 2015
Chair, CLAS Collaboration, Jefferson Lab, 2011-2013
Spokesperson, *3-Body Hadronic Reactions*, J-PARC Experiment E42, 2013
President, Appalachian Section, American Assoc. of Physics Teachers, 2012
Member, DOE/HEP review panel for ARRA funding recommendations, 2009

Selected Academic Appointments (Ohio University):

Member, Faculty Senate, 2000-2003, 2009-2014, and 2016-2019
Undergraduate Chair, Department of Physics & Astronomy, 2007-2011
Project Director, Structure of the Universe (URP), 2004-2009
Director, OU Institute for Nuclear and Particle Physics, 1999-2004
Chair, Finance and Facilities Committee, Faculty Senate, 2002-2003

Selected Public Outreach:

Monthly Columnist, *The Columbus Dispatch*, 2007-present
Public Lecture, *Nature's Balancing Act*, Physics Dept. Open House, 2019
Chair, Website and Facebook Redesign Committee, 2012
Lecturer, Young Scientists of Ohio, 2010-2011

Number of Peer-reviewed Journal Publications: 250+

Number of Invited Conference Presentations: 70+

Selected Leadership Skill Items:

- Secretary-Treasurer, Division of Nuclear Physics (APS), 2018-2021.
- Chaired NSF Review of LIGO Facilities (twice: 2017; 2018).
- Chaired NSF Review Committee of the LIGO Data Grid (2016)
- co-Chaired NSF 5-yr. Review of the NSCL Facility (2015)