

Dr. Patrick M. Woodward

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Educational Background

1991 – 1996 Ph.D. in Chemistry, M.S. in Materials Science, Oregon State University
1984 – 1991 B. S. in Chemistry, B. S. in General Engineering, Idaho State University

Professional Experience

2008 – present Ohio State University, Professor, Dept. of Chemistry and Biochemistry
2004 – 2008 Ohio State University, Associate Professor, Dept. of Chemistry and Biochemistry
1998 – 2004 Ohio State University, Assistant Professor, Dept. of Chemistry and Biochemistry
1996 – 1998 Brookhaven National Laboratory, Postdoc, Dept. of Physics (Supervisor –David Cox)
1991 – 1996 Oregon State University, Research Asst., Dept. of Chemistry (Advisor –Arthur Sleight)
1989 – 1991 Idaho State University, Undergraduate Research Asst., Dept. of Chemistry

Awards and Honors

- Visiting Professor, University of Sydney (2007)
- Visiting Professor, University of Bordeaux (2005)
- Alfred P. Sloan Fellow (2004–2006)
- National Science Foundation CAREER Award (2001–2006)
- Finalist – Arts & Sciences Outstanding Teaching Award (2003–2004)

Professional Activities and Service

- Interdisciplinary Research Group Co-Leader, OSU MRSEC (2008–present)
- Vice-chair for Undergraduate Studies: OSU Department of Chemistry and Biochemistry (2011–2014)
- Associate Director, Center for Emergent Materials (OSU MRSEC) (2011–2013)
- Associate Editor: Journal of Solid State Chemistry (2006–2011)
- Faculty Director: Ohio REEL Undergraduate Research Consortium (2005–2011)
- Editorial Advisory Board: Journal of Materials Chemistry C (2014–present)
- Editorial Advisory Board: Chemistry of Materials (2005–2011)
- Editorial Advisory Board: Journal of Solid State Chemistry (2004–2006)
- Member: Executive Committee of the Spallation Neutron Source-HFIR User Group (2008–2011)
- Member: Lujan Center Materials Program Advisory Committee, Los Alamos National Lab (2011–2013)
- Programming Committee Co-Chair: American Conference on Neutron Scattering (2014)
- Conference Organizer: North American Solid State Chemistry Conference, Columbus, OH (2009)
- Symposium Organizer: APS March Meeting: Boston, MA (2012), Portland, OR (2010), ICMR Meeting: Cancun, Mexico (2012), MRS Fall Meeting: Boston, MA (2008)
- Proposal Review Panel: ISIS Spallation Neutron Source (2005–present)

Research Interests

Synthesis, structural characterization, and computational studies of inorganic functional materials including magnetic materials, dielectric materials, photocatalysts, transparent conductors, strongly correlated metal oxides.