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Current Position

Assistant Professor, Department of Physics, Bryn Mawr College

Background

- Postdoctoral Appointee (2006-2009), Advanced Photon Source, Argonne National Laboratory
- Ph.D., Physics (May 2006), Johns Hopkins University
- M.A., Physics (May 2004), Johns Hopkins University
- M.S., Microelectronics and Solid State Electronics (June 2000), Nanjing University, China
- B.S., Physics (July 1997), Nanjing University, China

Honors

- NSF CAREER, DMR-1053854 (2011)—“CAREER: Magnetic bubble dynamics in nanodisks with perpendicular magnetic anisotropy”
- NSF MRI, DMR-1126656 (2011)—“MRI: Acquisition of a UHV multi-source sputtering system for multidisciplinary material research”
- NSF DMR-1207085 (2012)—“Collaborative research: Hollow nanoparticle synthesis – templating electrochemically evolved hydrogen nanobubbles”

Activities

- Carried out experiments at beamlines 4-ID-C, 4-ID-D, 6-ID-B, and 2-ID-D of the Advanced Photon Source, Argonne National Laboratory
- Carried out experiments at the Center for Nanoscale Materials of Argonne National Laboratory and the Center for Functional Nanomaterials of Brookhaven National Laboratory
- Served as panelist for NSF and grant proposal reviewer for NSF and DOE

Interests

- Nanostructured materials fabrication, characterization and application
- Spin dynamics in nanoscale magnetic materials and spintronics
- Imaging of nanomagnetic materials by time-resolved synchrotron x-ray photoemission electron microscope (TR-XPEEM)
- Magnetic characterization of interface and multiferroic materials by x-ray magnetic circular dichroism

Goals

To strengthen communications between the user community and the APS and promote the visibility of the Advanced Photon Source among underrepresented general user groups, such as women or liberal arts colleges. I was a postdoctoral researcher at APS and have worked as a general user at the APS since I became an assistant professor at Bryn Mawr College. I have brought several women undergraduate and graduate students to APS to carry out experiments.