

Zhi-Li Xiao

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Current Position

- 2009-present, Professor, Department of Physics, Northern Illinois University
Physicist, Materials Science Division, Argonne National Laboratory

Background

- 2014-2015, Interim Associate Dean for Research and Graduate Affairs, College of Liberal Arts and Sciences, Northern Illinois University
- 2004-2009, Associate Professor, Department of Physics, Northern Illinois University
Physicist, Materials Science Division, Argonne National Laboratory
- 2001-2004, Visiting scientist, Materials Science Division, Argonne National Laboratory
- 1997-2001, Postdoc, Department of Physics, Rutgers University
- 1996-1997, Postdoc, Institute of Physics, Mainz University, Germany
- 1992-1996, Ph.D. candidate, Department of Physics, University of Konstanz, Germany

Honors

- 2006, R & D 100 Award; Micro/Nano 25 Award
- 2010, Presidential Research Professor, Northern Illinois University
- 2013, Board of Trustee Professor, Northern Illinois University
- 2015, Excellence in Innovation, Northern Illinois University

Professional Activities

- Chair, User Executive Committee, Argonne's Electron Microscopy Center (EMC), 2011.
- Member, User Executive Committee, Argonne's Electron Microscopy Center (EMC), 2009-2010.
- Member, Executive Committee, Institute for Nanoscience, Engineering and Technology, Northern Illinois University, 2008-2015.
- Editorial board member, *Journal of Nanomaterials* (2006–present); *Nanoscience and Nanotechnology-Asia* (2010–present); *Nanomaterials and Nanosciences* (2011–present); *Journal of Materials Science and Applications* (2012–present)
- Chair, Session on Unconventional Superconductors and Pairing Symmetry, The 27th International Conference on Low Temperature Physics, Buenos Aires, Argentina, Aug.12, 2014
- Member, Organization committee, 13th International Workshop on Vortex in Superconductors, Chicago, Illinois, July 31- August 5, 2011.
- Chair, Superconducting Nanowires Session, 2009 Annual Meeting of the American Physical Society (APS), Pittsburgh, March 19, 2009.

Goals

I have been a CNM user since 2003 working on nanoscale superconductors/magnets as well as their hybrids. I have also studied 2-dimensional materials such as graphenes. I have been utilizing CNM's nanofabrication capabilities such as focused ion beam milling, photo- and electron-beam lithographies, laser writer.

My goals as a User Executive Committee member are 1) Serving the user community by proactively participation in organizing the annual user meeting, 2) Attracting more users to benefit CNM's world-class facilities, for example, by organizing Argonne User Facility Workshop (I organized such a workshop at Northern Illinois University in 2014), and 3) Serving as an effective bridge between the users and the CNM management team through the formal meetings and/or informal communications.