Chris Leighton

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Professional Preparation

Ph.D in Condensed Matter Physics, University of Durham, UK. 1998.
Bachelor of Science (Hons), 1st Class, Physics, University of Durham, UK. 1994.

Appointments

Associate Professor, Materials Science, University of Minnesota. Feb 2007 – present.
Graduate Faculty in Physics, University of Minnesota. Sep 2005 – present.
Assistant Professor, Materials Science, University of Minnesota. Jan 2001 – Jan 2007.
Post-doc in Materials Physics, UC San Diego. Jan 1998 - Dec 2000 (with I.K. Schuller).

Research

Mostly in the area of magnetism and magnetic materials, spanning magnetic phase separation in perovskite cobaltites, complex oxide heterostructures, highly spin-polarized ferromagnets, spin transport in metals, and magnetic nanostructures. Over 110 publications in referred journals and 70 invited presentations at universities, conferences, and workshops. Member of the NSSA, APS, MRS, and AVS.

Awards and Honors

"*Emerging Leader*" Colloquium Speaker, Materials Dept., UC Santa Barbara (2008); McKnight Presidential Fellow, University of Minnesota (2007); George W. Taylor Career Development Award, University of Minnesota (2007); Russell Prize for Applied Physics, University of Durham, UK (1998).

Professional Service

Magnetism and Magnetic Materials (MMM) conference Program Co-Chair (2010); Co-organizer, Telluride Science Research Center workshop on Competing Interactions and Colossal Responses in Transition Metal Oxides (2009); Organizer, Complex Oxide Tutorial, APS March Meeting (2009); Member, Intermag conference Program Committee (2009); Member, MMM conference Advisory Committee (2008-2014); Instructor, Los Alamos National Lab Neutron Summer School (2008); Member, MMM Program Committee (2005-2008); Member, Executive Committee, MN chapter of the AVS (2006 – present); Organizer, APS March Meeting Focus Topic on "*Complex Multi-functional Oxides*" (2006); Abstract sorter, APS March Meeting (2006); Member, executive committee, APS Topical Group on Magnetism (GMAG) (2005 – 2008); Member, Proposal Review Committee for the Oak Ridge National Lab Center for Nanophase Materials Science (2006 – 2010), the Los Alamos National Lab Neutron Science Center (2006 – present), and the Argonne National Lab Center for NanoMaterials (2007 – present).