

IAN R. FISHER

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PROFESSIONAL EXPERIENCE

- 2000 to date Assistant Professor, Department of Applied Physics, Stanford University, CA 94305
2001 to date Assistant Professor by courtesy, Department of Materials Science & Engineering, Stanford University, CA 94305
1997 – 2000 Post-doctoral Research Associate, Ames Laboratory and Department of Physics and Astronomy, Iowa State University, Ames IA 50011.
Research advisor: P. C. Canfield

EDUCATION

- 1993 – 1996 Ph.D., Interdisciplinary Research Centre in Superconductivity, University of Cambridge, UK.
Thesis advisor: J. R. Cooper
1993 Research Assistant, New Zealand Institute for Industrial Research, Lower Hutt, New Zealand
Research advisor: J. L. Tallon
1989 - 1992 B.Sc. in Physics, 1st class honours, School of Physics and Space Research, University of Birmingham, UK.

HONORS AND AWARDS

- 2003 – 2004 Dean's Award for Distinguished Teaching, Stanford University
2003 – 2006 Terman Fellow, Stanford University
2003 – 2005 Alfred P. Sloan Research Fellow
2002 – 2003 Hellman Faculty Scholar, Stanford University
2002 – 2007 CAREER award, National Science Foundation
1993 – 1996 Perse Scholar in Physics, University of Cambridge

RESEARCH INTERESTS

Unconventional magnetic & electronic ground states & phase transitions. Emphasis on design and discovery of new materials by crystal growth. Current interests include high field behavior of spin dimer compounds, valence skipping elements as negative-U centers and their role in superconductivity, reconstruction of the Fermi surface in charge density wave materials, and magnetism of 5d transition metal oxides.

PUBLICATIONS

<http://www.stanford.edu/group/Fisher/research/publications.html>

PROFESSIONAL AND UNIVERSITY SERVICE

(a) Service to Professional Organizations

- Site and program reviews:
Oak Ridge National Laboratory, (Dec 9 – 11, 2003)
- Proposal Referee:
Department of Energy, Office of Basic Energy Sciences
National Science Foundation, Division of Materials Research
Research Corporation
- Journal Referee:
Physical Review Letters
Physical Review B
Journal of Magnetism and Magnetic Materials

(b) University Service at Stanford

- Undergraduate Advising:
Freshman Advisor (2000 – present)
Sophomore Advisor (2001 – present)
Freshman advising panelist (2005) “Choosing math and science courses for students considering humanites and social sciences”
- Departmental & University Committees:
Curriculum Committee, Department of Applied Physics (2000 – present)
Committee for Interdisciplinary Programmes, School of Humanities and Sciences (2002)
Rhodes-Marshall-Mitchell campus interview panel (2004)
CMP seminar committee (2004-2005)
- Outreach:
Guest physics teacher at Eastside Preparatory School, East Palo Alto (2004, 2005)
QUEST scholars program (2003, 2004)
Summer Research College (2001 - 2006)
Vice Provost for Undergraduate Education, Research Experience for Undergraduates (2002 - 2006)
National Science Foundation, Research Experience for Undergraduates (2003)