



Professor Francis J. Pinski

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Department of Physics
University of Cincinnati
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EDUCATION

B.Math., University of Minnesota, Minneapolis, Minnesota, 1973.
Ph.D., University of Minnesota, Minneapolis, Minnesota, 1977.

EXPERIENCE

Professor, University of Cincinnati, 1992- present.
Head, Department of Physics, January 1999-August 2004.
Associate Professor, University of Cincinnati, 1987-1992.
Graduate Program Director, Physics, 1990-1992; 1995-1996, 1997-1998.
Assistant Professor, University of Cincinnati, 1981-1987.
Visiting Professor, Department of Physics, University of Warwick, UK, September 1996-August 1997, January 2005-December 2005.
Visiting Scientist, Los Alamos National Lab, Summer 1986.
Visiting Scientist, Lawrence Livermore National Lab, January-December 1989.
Consultant, Oak Ridge National Lab, 1988-1993.
Visiting Scientist, Oak Ridge National Lab, Summer 1983, Summer 1984, September 1986-August 1987.
Visitor, University of Bristol, UK, February-December 1985.
Postdoctoral Fellow and Research Assistant Professor, University of Pennsylvania, 1980-81.
Postdoctoral Fellow, SUNY Stony Brook and Oak Ridge National Lab, 1977-80.

RESEARCH INTERESTS

Theoretical condensed matter physics, electronic structure of metals and alloys, magnetism, first principles calculation of phase diagrams, electron-phonon interaction in transition metals, structure of classical and quantum fluids, determination of free-energy barriers in classical systems.

AWARDS

Sigma-Xi, Young Researcher of the Year, Cincinnati Chapter, 1986.
CRAY Research, Inc., Gigaflop Performance Award, 1990.

INVITED TALKS-MEETINGS

- "Integrated Raman intensity in ^4He ," NATO Advanced Study Institute on Correlation Functions and Quasiparticle Interactions in Condensed Matter, Wayzata, Minnesota, August, 1977.
- "Successful predictions of electron-phonon properties in d-band metals," Symposium on Electron-Phonon Interactions, APS Meeting, Chicago, March, 1979.
- "Alloy theory, magnetism, high temperature band theory and the residue theorem," 11th Midwest Solid State Theory Symposium, October, 1983.
- "Solving Schrodinger's equation at complex energies," Solid State Physics Conference of the Institute of Physics, Reading, December, 1985.
- "Magnetism in alloys," 14th Midwest Solid State Theory Symposium, Napierville, Illinois, October 1986.
- "On the theory of ordering in alloys," AIME, The Society of Metals (TSM), Cincinnati, Ohio, October, 1987.
- "Quantum mechanics and metallurgy: Never the twain shall meet?," Ohio Section, American Physical Society, Bowling Green, November, 1990.
- "Origins of ordering in alloys: A First-Principles Landau Theory," Seventh International Conference on Many Body Physics, Minneapolis, August, 1991.
- "Short Range Order in Alloys," The American Physical Society, Pittsburgh, March, 1994.
- "Theory and Calculations for Transition Metal Alloys," Ninth Conference on Computational Research on Materials, Morgantown, W.Va., May, 1999.

Ph.D. STUDENTS

Duane D. Johnson, 1985.	John F. Clark, 1993.	Mahdi Sanati, 1999.
William A. Shelton, 1989.	Dereje Seifu, 1994.	Manuel Valera, 2002.

POST-DOCS

Niels Rosengaard (1993-1994)	John Clark (1994-1995)
John Mikalopas (1992-1996)	Russ Bielby (1998-1999)