

CURRICULUM VITAE
Updated August 16, 2013

Name: Henri J. F. Jansen
Home Address: 2100 NW Robin Hood Street
Corvallis, OR 97330
(541) 758-0640
Office Address: Physics Department
Oregon State University
Weniger Hall 301
Corvallis, OR 97331-6507
(541) 737-1668, FAX (541) 737-1683
E-mail: jansenh@physics.oregonstate.edu
WWW: <http://www.physics.oregonstate.edu/~jansenh>

Education

May 29, 1981 Ph.D. - degree

1977 - 1981 Ph.D. research studies at the Institute of Solid
State Physics in Groningen under the supervision
of Prof. F. M. Mueller (University of Nijmegen)
and Prof. F. van der Woude (University of
Groningen)

1976 - 1977 Graduate research in the nuclear physics group
of
the Institute of Theoretical Physics in
Groningen

1969 - 1976 Undergraduate and graduate student at the
University of Groningen, The Netherlands

Oct. 5, 1976 "Doctoraal" - degree in theoretical physics
(in between M.S. and Ph.D.)

June 6, 1972 "Kandidaats" - degree in physics
(comparable to B.S.)

Employment

1998 - present Chair of the Physics Department

1994 - present Full Professor at Oregon State University

1994 - 1995 Visiting Professor at the University of Oregon
(sabbatical leave)

1989 - 1994 Associate Professor at Oregon State University

1985 - 1989 Assistant Professor at Oregon State University

1987 Summer Consultant with Philips Research Laboratory, The
Netherlands

1981 - 1985 Research Associate with Prof. A. J. Freeman at
Northwestern University

1977 - 1981 Assistant at the Institute for Solid State
Physics, University of Groningen, The
Netherlands

1974 - 1977 Assistant at the Institute for Theoretical
Physics, University of Groningen, The
Netherlands

1970 - 1972 Assistant at the Institute for General Physics,
University of Groningen, The Netherlands

Awards

I received my "Kandidaats," "Doctoraal," and Ph.D. degree with the honorary qualification "Cum Laude."

February 1982: Shell prize from Shell Research B.V., The Netherlands, for outstanding Ph.D. research.

May 1988: Phi Kappa Phi, Emerging Scholar Award, Oregon State University.

November 2005: Elected Fellow of the American Physical Society.

Languages

Dutch, English, French(medium), German, Spanish(medium)

Memberships in Professional Societies

Dutch Physical Society (NNV)
American Physical Society
American Association of Physics Teachers

RESEARCH

Recent research Support

2001-2006 The OSU PhysTEC Project (co-PI) American Physical Society
(subcontract), \$556,312

2004-2006 Hewlett Foundation, Teaching Ph211 (Pat Canan), \$62,744

2007-2011 NSF (with Emily van Zee), \$149,709
Integrating Physics and Literacy Instruction in a Physics Course for
Prospective Elementary and Middle School Teachers

2008-2011 High Desert Education Service District (with Maggie Niess
and
Emily van Zee), \$830,757
Oregon Central Oregon Partnership for Using Technology to Enhance
Science and Mathematics Education Grades K-8

TEACHING

Theses supervised

Bernd Gutekunst, "Monte Carlo Simulation of Oxygen Mobility in Cubic Zirconia," MS, 1987.

Songshi Peng, "Electronic Structures and Magnetic Properties of Iron in Various Magnetic States and Structural Phases," PhD, 1991.

Martin Rosenbauer, "Parametrization of Energy Bands in Zirconia," MS, 1991.

Mike Love, "Computer Simulation of Phase Transitions in Zirconia,"

PhD, 1993.

Caihua Yan, "Electronic Structure and Optical Properties of ZnO: Bulk and Surface," PhD, 1994, co-advisor with W.M. Hetherington.

Mike Decker, "Molecular Dynamics at Constant Temperature and Pressure," MS, 1995.

Guenther Schneider, "Calculation of Magnetocrystalline Anisotropy," PhD, 1999.

Alexander Albus, "Immersion Energies of Atoms in Jellium," MS, 1999.

Haiyan Wang, "Relation between Bandstructure and Magnetocrystalline Anisotropy: Iron and Nickel," MS, 2000.

David Matusevich, "Magneto-crystalline Anisotropy Calculations in Thin Films with Defects," PhD, 2002.

Michael Rogers, "Effect of the magnetic properties of soils on Cesium magnetometer surveys at the Oregon State University Research Diary," PhD, 2003.

Jung-Hwan Song, "Impurities in a Homogeneous Electron Gas", PhD, 2004

Skye Dorsett, "Breaking of spherical symmetry in electronic structure, Free and immersed atoms in an electron gas" PhD, 2008.

KC Walsh, "Hartree-Fock electronic structure calculations for free atoms and atoms immersed in an electron gas" PhD, 2009.

RECENT SERVICE

College and University Committees

2005-present	COSine advisory committee
2004-2006	University class room committee
2009-present	Faculty Senate SET committee
2009-2010	Chair, COS reorganization group

2010	Divisional workgroup, Arts, Education, Science
2010 Winter	COS P&T Committee, chair
2010-present	Member Faculty Advisory Board Louis Stokes Alliance for Minority Participation
2011 Winter	COS P&T Committee, chair
2011-present	Faculty Senate PandT committee

Recent service to profession

Department of Energy, Review Panel, October 2008

Department of Energy, Review Panel, April 2010

Department of Energy, Review Panel, September 2010

AIP Career Pathways Project, site visit U. of Washington, May 2011

Department of Energy, Review Panel, September 2011

Department of Energy, Review Panel, September 2012

PUBLICATIONS

Book chapter:

H.J.F. Jansen, G. S. Schneider, and H. Y. Wang: "Calculation of magneto-crystalline anisotropy in transition metals" in *Electronic Structure and Magnetism of Complex Materials*, Eds. D.J.Singh and D.A. Papaconstantopoulos, Springer-Verlag Berlin Heidelberg 2003.

Articles:

-. Vinh Nguyen, Josh Meuli, Bill Brooks, Henri Jansen, John Westall,

And Milo Koretsky, "DETERMINING LOCALIZED ANODE CONDITION TO MAINTAIN EFFECTIVE CORROSION PROTECTION", Peer Reviewed Final Report to ODOT, August 2009

62. van Zee, E., Jansen, H., Winograd, K., Crawl, M. & Devitt, A. (2013). Integrating physics and literacy learning in a physics course for prospective elementary and middle school teachers. *Journal of Science Teacher Education*, 24(3), 665-691.
63. Crawl, M., Devitt, A., Jansen, H.;, van Zee, E., & Winograd, K. (2012). Encouraging prospective teachers to engage friends and family in exploring physical phenomena. *Journal of Science Teacher Education*, 24(1), 93-110.
64. van Zee, E. H., Jansen, H., Winograd, K., Crawl, M. & Devitt, A. (2013). Fostering scientific thinking by prospective teachers in a course that integrates physics and literacy learning. *Journal of College Science Teaching*, 42(5), 29-35.