CURRICULUM VITAE

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Education:

1991	Ph. D. Applied Physics, Yale University.
1987	M. Phil. Applied Physics, Yale University.
1984	M. S. Applied Physics, Yale University.
1983	B. S. Engineering Physics (with highest distinction) University of Maine.

Employment:

2004-	Senior Lecturer in Physics Unversity of Vermont Burlington, Vermont
1996-2003	Lecturer in Physics Unversity of Vermont Burlington, Vermont
1995-96	Lecturer in Physics Bates College Lewiston, Maine
1995	Assistant Professor of Physics (temporary) University of Maine Orono, Maine
1994	Assistant Professor of Physics University of Maine at Farmington Farmington, Maine
1993	Research Associate Department of Agricultural Resource Economics University of Maine Orono, Maine (development of Multispecies Fisheries Model)
1992-93	Assistant Professor of Physics (temporary) University of Maine Orono, Maine

1992	Visiting Research Associate Institute for Theoretical Atomic and Molecular Physics Harvard University Cambridge, Massachusetts
1987	Research Associate T-12 (Atomic and Molecular Physics) and Center for Nonlinear Studies Los Alamos National Laboratory Los Alamos, New Mexico
1983-91	Graduate Student and Teaching Assistant Yale University New Haven, Connecticut
1984	Research Assistant (Physical Oceanography) Bigelow Laboratory for Ocean Sciences Boothbay Harbor, Maine

References: Available on request

Publications:

Papers:
1.) M.M. Sanders, R.V. Jensen, P.M. Koch, and K.A.H. van Leeuwen, ``Chaotic Ionization of Highly Excited Hydrogen Atoms'', Nuclear Physics B, Proceedings Supplement *2*, 578 (1987).
2.) R.V. Jensen, S.M. Susskind, and M.M. Sanders, ``Microwave Ionization of Highly Excited Hydrogen Atoms: A Test of the Correspondence Principle'', Physical Review Letters *62*, 1476, (1989).
3.) R.V. Jensen, M.M. Sanders, M. Saraceno and B. Sundaram, ``Inhibition of Quantum Transport due to `Scars' of Periodic Orbits'', Physical Review Letters *63*, 2771, (1989).
4.) R.V. Jensen, S.M. Susskind, and M.M. Sanders, ``Chaotic Ionization of Highly Excited Hydrogen Atoms: Comparison of Classical and Quantum Theory with Experiment'', Physics Reports *201* #1 March, 1991.
5.) M. M. Sanders and R.V. Jensen, "Classical Theory of Chaotic Ionization of Highly-excited Hydrogen atoms.", American Journal of Physics, vol. 64, number 1, January, 1996.
6.) M. M. Sanders and R.V. Jensen, "Classical Theory of Chaotic Ionization of Rydberg Helium Atoms", American Journal of Physics, vol. 64, number 8, August, 1996.

Books:
1.) M.M. Sanders, ``Energy from the Oceans.'' in *The Energy Sourcebook: A guide to Technology, Resources, and Policy*, Ruth Howes and Anthony Fainberg, editors, AIP, 1991.

Thesis:
1) Malcolm M. Sanders, *Chaotic Ionization of One and Two Electron Atoms*. unpublished, 1991.

Professional Activities:

Member: American Physical Society

Attended Chautauqua Short Course: Promoting Active Learning in Introductory Physics Courses II, Dickinson College, Carlisle, PA, June 2000

NSF-CCLI (Physics Section) Panelist for grant reviews, Washington DC, July 2003

Visiting Scholar - Dublin City University, Dublin, Ireland. Sabbatical Year 2005-06