

# Curriculum Vitae - Mark Saffman

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## Professional Preparation

California Institute of Technology	Applied Physics	B.Sc. (with honors) 1981
University of Colorado at Boulder	Physics	Ph.D. 1994

## Appointments

9.2004- Associate Professor, University of Wisconsin - Madison  
9.1999 - 8.2004 Assistant Professor, University of Wisconsin - Madison  
4.1994 - 9.1999 Senior Scientist, Risø National Laboratory, Roskilde, Denmark  
1983-1989 Optical Engineer, Dantec Electronics Inc., Skovlunde, Denmark  
1981-1983 Member of Technical Staff, TRW Defense and Space Systems, Redondo Beach, California

## Honors and Awards

2001-2003 Alfred P. Sloan Fellowship  
1994 Research and Creative Work Award, The University of Colorado  
1991 William Walter Jr. Award, The University of Colorado  
1990-1993 Laboratory Graduate Fellowship, U.S. Air Force Office of Scientific Research

**Publications** 79 journal publications, 110 conference proceedings, 4 book chapters, 2 patents.

## Recent professional activities

1.2007- Associate editor of Physical Review A  
3.2004- Associate editor of Physical Review E  
Member of program committee for NLGW 2005, "Nonlinear Guided Waves and Their Applications", Optical Society of America topical meeting (Dresden, September 6-9, 2005)  
2004 Member of National Science Foundation proposal review panels for Quantum Information Processing and Photonic Systems  
2000-2002 Participating member of the network on Phase Domains and Spatial Solitons in Nonlinear Optics (PHASE) sponsored by the European Science Foundation

**Research interests** Atomic physics, quantum information processing with cold atoms, quantum optics, nonlinear optics and dynamics.

**Research funding** Currently principal investigator on grants from the National Science Foundation, Army Research Office, and NATO Office of Science. Previously awarded grants from the Danish Natural Science Research Council and the Carlsberg Foundation.

**Educational activities** Currently supervising a research group with 1 postdoc, 4 graduate students, 2 undergraduates. Supervised 5 Ph.D. and 1 M.Sc. theses. Recent courses taught: graduate level electrodynamics, atomic physics, laser physics, Bose Einstein condensation, Quantum Mechanics