

Curriculum Vitae
Steven Lloyd Rolston

Address:

Department of Physics
University of Maryland
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Education:

1986: PhD. Nuclear Physics, State University of New York at Stony Brook.
laser spectroscopy of isotopes created with heavy-ion nuclear reactions.

1980: Bachelor of Arts, Wesleyan University, Middletown, Ct.
graduated summa cum laude, member of Phi Beta Kappa
departmental high honors in physics, awarded Bertman prize in physics

Employment:

Sept. 2003 – present: Full Professor, University of Maryland, College Park, MD.

1988 -2003: Physicist, National Institute of Standards and Technology,
Gaithersburg, Md.

1987 - 1988: Post-Doctoral Research Associate, Atomic Physics, Harvard University,
Cambridge, Mass.

1986 - 1987: Post-Doctoral Research Associate, Atomic Physics, University of Washington,
Seattle, Wash.

Current Research Interests:

Ultracold neutral plasmas, Bose-Einstein condensation, quantum computation, non-linear
atom optics, production of antihydrogen, atomic frequency standards, laser cooling

Awards, Memberships:

Fellow, American Physical Society
Member, Physical Review A Editorial Board 2002-2006
Member, APS Precision Measurements Topical Group Executive Committee 2002-2005
Member, DAMOP Executive Committee 2002-2005
Member, DAMOP Program Committee, 2001-2003
Chair, Atomic Physics Gordon Conference 2001
2001 Arthur S. Flemming Award
Visiting Professor, University of Innsbruck, Austria 2003
Lecturer, Enrico Fermi Summer School, Varenna, Italy 2001
Chair, ILS Program sub-committee 2000
Lecturer, Latin American Summer School in Physics, Mexico City, 1999
Vice-chair, Atomic Physics Gordon Conference 1999
Chair, DAMOP publications committee 1997
1991 RD100 for "parallel-processing RF spectrum analyzer"
1993 Sigma Xi Young Scientist Award
1996 U.S. Dept. of Commerce Silver Medal

Publications:

Over 100 publications, including *Nature* (3), *Science* (3), and *Physical Review Letters* (32).