

CURRICULUM VITAE of William D. Phillips,
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Citizenship: United States

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Education:

Juniata College, Huntington, Pennsylvania, B.S., Physics, summa cum laude, 1970.

Massachusetts Institute of Technology, Cambridge, Massachusetts, Ph. D., Physics, 1976. Thesis under Prof. Daniel Kleppner, thesis title: I. The Magnetic Moment of the Proton in H₂O;
II. Inelastic Collisions in Excited Na.

Scientific Experience after Ph.D:

1978-present: Physicist, National Bureau of Standards (Now National Institute for Standards and Technology); 1990-96: Group Leader of the Laser Cooled and Trapped Atoms Group of the Atomic Physics Division; 1996-98, NIST Fellow; 1998-present: NIST Fellow and Group Leader of the Laser Cooling and Trapping Group.

2001-present: Distinguished University Professor, University of Maryland, College Park MD;
2006-present, College Park Professor

2002-2003 George Eastman Visiting Professor, Balliol College and Clarendon Laboratory, Department of Physics, University of Oxford

1992-2001: Adjunct Professor of Physics, University of Maryland, College Park.

1989-1990: Visiting Professor at Ecole Normale Supérieure, Paris, in the laboratory of Claude Cohen-Tannoudji and Alain Aspect:

1976-1978 Chaim Weizmann Postdoctoral Fellow at Massachusetts Institute of Technology:

Professional societies:

American Physical Society (Fellow)
Optical Society of America (Fellow and Honorary Member)
Fellow, American Academy of Arts and Sciences
National Academy of Sciences
Korean Academy of Science and Technology (foreign honorary member)
European Academy of Arts, Sciences and Humanities (titular member)
Sigma Xi Research Society
Society of Physics Students
Pontifical Academy of Sciences

Awards and Honors:

Pennsylvania State Scholarship 1966-1970
C. C. Ellis Memorial Scholarship 1969-1970
Election to Juniata College Honor Society 1969.
Woodrow Wilson Fellow 1970
National Science Foundation Fellow 1970-1973
Chaim Weizmann Postdoctoral Fellow 1976-1978
Outstanding Young Scientist Award of the Maryland Academy of Sciences, 1982.
Scientific Achievement Award of the Washington Academy of Sciences, 1982
Silver Medal of the Department of Commerce, 1983
Samuel Wesley Stratton Award of the National Bureau of Standards, 1987
Arthur S. Flemming Award of the Washington Downtown Jaycees, 1988
Gold Medal of the Dept. of Commerce, 1993.
Election to American Academy of Arts and Sciences 1995
Election as a NIST Fellow, 1995
Michelson Medal of the Franklin Institute 1996
Distinguished Traveling Lecturer (APS-DLS) 1996-98
Election to the National Academy of Sciences 1997
Nobel Prize in Physics 1997

Nobel Prize Citation: “for development of methods to cool and trap atoms with laser light” The 1997 prize was shared with Steven Chu of Stanford University and Claude Cohen-Tannoudji of the Ecole Normale Supérieure, Paris.

Honorary Doctor of Science, Williams College 1998
Doctor Honoris Causa de la Universidad de Buenos Aires 1998
Arthur L. Schawlow Prize in Laser Science (APS) 1998
Honorary Doctor of Science, Juniata College 1999
American Academy of Achievement Award 1999
Gold Medal of the Pennsylvania Society 1999
Richtmeyer Award of the Am. Assoc. of Physics Teachers 2000
Election to the European Academy of Arts, Sciences and Humanities (titular member), 2000
Condon Award of NIST 2002
Archie Mahan Prize of the OSA
Election as an Honorary Freeman of the Worshipful Company of Scientific Instrument Makers, London 2003
Election as an alumni member of Juniata College's chapter of Omicron Delta Kappa, the National Leadership Honor Society 2004
Election as an Honorary Member of the Optical Society of America
Appointed an Academician of the Pontifical Academy of Sciences 2004
Meritorious Senior Professional Award (Presidential Rank) 2005