

Philip Howard Bucksbaum

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Position: Professor, Departments of Photon Sciences, Physics, and Applied Physics, Stanford University; Director of PULSE, the Stanford Photon Ultrafast Laser Science and Engineering Center; Editor of VJUltrafast, the APS Virtual Journal of Ultrafast Science.

Previous career and education:

9/05-5/06 Peter Franken Distinguished University Professor of Physics, University of Michigan

8/98-5/06 Otto Laporte Collegiate Professor of Physics, University of Michigan

9/90-8/98 Professor of Physics, University of Michigan.

11/82-8/90 Principal Investigator Member of Technical Staff, Physics Research Division, AT&T Bell Laboratories, Murray Hill, NJ 07974.

1/89-8/90 Adjunct Assoc. Prof. of Applied Physics, Columbia University, New York, NY 10027.

8/80-11/82 Post-doctoral research at AT&T Bell Laboratories, Holmdel, NJ 07733, and at Lawrence Berkeley Laboratories, Berkeley, CA 94720.

Ph.D. (1980) and M.A. (1978) in Physics from the University of California, Berkeley, CA 94720.

A.B. (1975) *magna cum laude* in Physics, Harvard College, Cambridge, MA 02138.

Honors:

Member, National Academy of Sciences, 2004.

Michigan Sokal Award for Research, 2001.

Distinguished Traveling Lecturer, APS Division of Laser Science, 1996-97.

John Simon Guggenheim Memorial Foundation Fellow, 1996-97.

Michigan Distinguished Faculty Achievement Award, 1996.

Miller Visiting Professor, University of California at Berkeley, 1996.

Fellow of the American Physical Society, 1990.

Fellow of the Optical Society of America, 1995.

NSF Graduate Fellowship, 1975-78

Current service (partial list, 1/1/06):

Chair of AMO 2010, the NRC decadal study of AMO physics; member of CAMOS, the NRC Committee on AMO Science; Divisional Associate Editor of Physical Review Letters for the Laser Science Division; member of the Physics Today Advisory Committee; Editor, AIP Virtual Journal of Ultrafast Physics

Research interests:

I am an atomic physicist. My main research interest is fundamental light-matter interactions, and especially the control of quantum systems using ultrafast laser fields. I develop new sources of ultrafast laser light in the infrared, visible, ultraviolet, and x-ray regions of the light spectrum.

A publication list is available at <http://www.stanford.edu/~phbuck/pubs.html>