



HERSCHEL RABITZ

CHARLES PHELPS SMYTH PROFESSOR OF CHEMISTRY

Herschel's research interests lie at the intersection of chemistry, physics, and engineering, with principal areas of focus including molecular dynamics, biophysical chemistry, chemical kinetics, and optical interactions with matter. An overriding theme throughout his research is the emphasis on molecular-scale systems analysis.

CONTACT

RESEARCH LABORATORY

Roque Lab

Frick Chemistry Laboratory, 253
Department of Chemistry
Princeton, NJ 08540
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LAB WEBSITE

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EDUCATION

Postdoc. University of Wisconsin <i>Advisor: Richard Bernstein</i>	1970 – 1971
Ph.D. Harvard University <i>Advisor: Roy Gordon</i>	1970
B.S. University of California, Berkeley	1966

EXPERIENCE

Professor of Chemistry Princeton University	1980 – Present
Affiliated Member and Acting Director (1981) Program in Applied and Computational Mathematics Princeton University	1974 – Present
Faculty & Scholars Andlinger Center for Energy and the Environment Princeton University	2013
Associate Professor of Chemistry Princeton University	1976 – 1980
Assistant Professor of Chemistry Princeton University	1971 – 1976
Chairman, Department of Chemistry Princeton University	1993 – 1996

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HONORS & AWARDS

Visiting Scholar <i>(University of New South Wales)</i>	2019 – 2021
Adjunct Professor <i>(Swinburne University, Melbourne, AU)</i>	2018 – 2019
Alexander von Humboldt Award	2014
Honorary Member, International Physics and Control Society (IPACS)	2006
Fellow of the American Association for the Advancement of Science	2004
Genetic and Evolutionary Computation Gold Award	2004
Willis E. Lamb Medal for Laser Science and Quantum Optics	2003
Alexander von Humboldt Award	2000
Charles Phelps Smyth Professor of Chemistry	2000
Alfred P. Sloan Fellow	1975 – 1979
Camille and Henry Dreyfus Teacher-Scholar	1974 – 1979