

CURRICULUM VITAE

Paul W. Brumer

Personal:

Born 8 June, 1945; New York, Married with four children

Current Position:

1995 - present: University Professor, and Roel Buck Chair in Chemical Physics,
University of Toronto

Previous Positions:

1983-95 Professor, Department of Chemistry, University of Toronto
1975-83 Assistant and Associate Professor, Chemistry, University of Toronto
1974-75 Lecturer, Department of Astronomy, Harvard University
1973-74 Postdoctoral Fellow, Harvard College Observatory; with Prof. A. Dalgarno
1972-73 Postdoctoral Fellow, Weizmann Institute of Science, with Prof. R.D. Levine

Education:

B.S. with honors in Chemistry, Brooklyn College, 1966
Ph.D. in Chemical Physics, Harvard University, 1972; with Professor M. Karplus

Fellowships and Honors:

D.Sc (*honoris causa*), University of Chicago, June 2021
Clark Carroll Lecturer, Center for Coherence & Quantum Optics, U. Rochester, 2017
Honorary issue of the Canadian Journal of Chemistry, Vol 92, No. 2, 2014
McDowell Lecturer, Univ. British Columbia, 2003
Welch Foundation Lecturer, 2000
Killam Memorial Prize for Natural Science, 2000
Appointed Roel Buck Professor of Chemical Physics, 1997
Appointed University Professor, University of Toronto, 1995
Killam Research Fellow, 1994-1996
Fellow, American Physical Society, 1994-
Fellow, Chemical Institute of Canada, 1993; Fellow, Royal Society of Canada 1994
Palladium Medal, Chemical Institute of Canada, 1993
Michael Visiting Professor, Weizmann Institute, 7/88-8/88, 7/85-8/85
Noranda Award, Canadian Society for Chemistry, 1985
Hudnall Distinguished Lecturer, University of Chicago, 1983
Killam Research Fellow, 1981-1983
Alfred P. Sloan Foundation Fellow, 1977-1981
Institute Fellow, Weizmann Institute of Science, 1972-1973
National Science Foundation Predoctoral Fellow, 1966-1971
Woodrow Wilson Fellow, 1966-1967

Research:

Quantum interference and laser control of atomic and molecular processes. Natural light-matter interactions, and its Biological Applications. Open System Quantum Mechanics. Nonlinear classical and quantum mechanics; Chaos. Classical/quantum correspondence.