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## Curriculum Vitae Professor Dr. William Hughes Miller

**Name:** William Hughes Miller  
**Born:** 16 March 1941  
**Family Status:** married



### Academic and Professional Career

since 1999      Kenneth S. Pitzer Distinguished Professor of Chemistry, University of California,  
Berkeley, USA

1998 - 2001      Chancellor's Research Professor, University of California, Berkeley, USA

1989 - 1993      Chairman, Department of Chemistry, University of California, Berkeley, USA

1984 - 1988      Vice-Chairman, Department of Chemistry, University of California, Berkeley, USA

since 1974      Professor, Department of Chemistry, University of California, Berkeley, USA

1972 - 1974      Associate Professor, Department of Chemistry, University of California, Berkeley, USA

since 1969      Staff Senior Scientist, Chemical Sciences Division, Lawrence Berkeley National  
Laboratory, USA

1969 - 1972      Assistant Professor, Department of Chemistry, University of California, Berkeley, USA

1967 - 1969      Junior Fellow, Society of Fellows, Harvard University, USA

- 1967 - 1968 NATO Postdoctoral Fellow, University of Freiburg, Germany
- 1963 - 1967 Harvard University, National Science Foundation Fellow, USA, A.M. 1964  
(Chemistry) Ph.D. 1967 (Chemical Physics), Research Director
- 1959 - 1963 Georgia Institute of Technology, General Motors National Scholarship, USA  
B.S. 1963 (Chemistry)

### **Functions in Scientific Societies and Committees (Selection)**

- since 2009 Member of the International Advisory Committee, Center for Theoretical and Computational Chemistry, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China
- 2007 - 2009 Foreign Councilor, Institute of Molecular Science, Okazaki, Japan
- 2005 External Elector for the Coulson Chair in Theoretical Chemistry, University of Oxford, UK
- 2002 Member, Review Committee of the Fritz Haber Minerva Center for Molecular Dynamics, Hebrew University of Jerusalem, Israel
- since 2001 Member, Steering Group, American Association for the Advancement of Science
- 2000 - 2006 Secretary, International Academy of Quantum Molecular Science, Paris, France
- 1999 - 2001 External examiner, National University of Singapore, China
- 1997 - 2000 Vice-Chair, Chair-Elect, Chair of the Division of Chemical Physics of the American Physical Society
- 1996 - 2000 Member, Committee on Committees, University of California, Berkeley, USA
- 1996 External reviewer for the Institute of Molecular Science, Okazaki, Japan
- 1995 - 2001 Member, Program Committee for the Alfred P. Sloan Research Fellowships in Chemistry
- 1995 External elector for the Chair in Theoretical Chemistry, University of Cambridge, UK
- 1992 - 1999 Chairman, Associateships Program Advisory Committee (APAC) of the Office of Scientific

- and Engineering Personnel (OSEP) of the National Research Council (NRC)
- 1992 - 1994 Member, Board of Visitors, Office of Naval Research, USA
- 1991 - 1999 Member, Advisory Board of the Office of Scientific and Engineering Personnel (OSEP) of the National Research Council (NRC)
- 1991 - 1992 Chairman of the Associateships and Fellowships Program Advisory Committee (AFPAC) of the National Research Council (NRC)
- 1990 - 1991 Chairman, Chemistry Panel of the National Research Council Associateships Program
- since 1989 Honorary Board Member of the World Congress of Theoretical Organic Chemists
- 1989 Chairman, 1989 Conference on the Dynamics of Molecular Collisions, Asilomar, USA
- 1988 - 1991 Member, Committee on Atomic, Molecular, and Optical Sciences of the National Research Council
- 1988 - 1990 Member of the Fellowship Committee of the American Physical Society
- 1988 Member, External Review Committee for the Ames Laboratory for Physical Research and Technology, Ames, Iowa, USA

### **Honours and Awarded Memberships (Selection)**

- 2011 Ahmed Zewail Prize in Molecular Sciences
- 2011 elected Member, German National Academy of Sciences Leopoldina
- 2007 Welch Award in Chemistry
- 2007 Herschbach Award in Molecular Dynamics
- 2003 American Chemical Society Peter Debye Award in Physical Chemistry
- 2000 Cherry L. Emerson Distinguished Visiting Professor, Emory University
- 1998 - 1999 Miller Research Professor, University of California, USA
- 1998 Spiers Medal, Faraday Division of the Royal Society of Chemistry, London, UK

1997 Ira Remsen Award, Chesapeake Bay Section of the American Chemical Society

1997 College of Sciences Alumni Achievement Award, Georgia Institute of Technology

1996 J. O. Hirschfelder Prize in Theoretical Chemistry, University of Wisconsin, USA

1994 American Chemical Society Award in Theoretical Chemistry

1994 Honorary Professor, Shandong University, Jinan, China

1993 elected Fellow, American Academy of Arts and Sciences

1993 Christensen Visiting Fellowship, St. Catherine's College, Oxford, UK

1990 American Chemical Society Irving Langmuir Award in Chemical Physics

1987 elected Member, National Academy of Sciences

1985 elected Member, International Academy of Quantum Molecular Science

1985 Ernest Orlando Lawrence Memorial Award

1981 - 1982 Alexander von Humboldt Senior Scientist Award

1978 - 1979 Miller Research Professor, University of California, USA

1975 - 1976 John Simon Guggenheim Memorial Fellow, USA

1975 - 1976 Overseas Fellow, Churchill College, University of Cambridge, UK

1974 Annual Prize of the International Academy of Quantum Molecular Science

1973 - 1979 Camille and Henry Dreyfus Teacher-Scholar

1970 - 1972 Alfred P. Sloan Research Fellow