

## Personal and Professional Vita: Cynthia M. Friend

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Harvard University

Department of Chemistry & Chemical Biology and School of Engineering and Applied Sciences

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### Education

Post-Doctoral Research Fellow, August 1981-June 1982, Stanford University,  
Department of Chemical Engineering

Ph.D. Chemistry, 1981, University of California at Berkeley

B.S. Chemistry, 1977, University of California at Davis

### Academic Positions:

Harvard University

Professor of Materials Science, 2002-present

Theodore William Richards Professor of Chemistry, 1998-present

Professor of Chemistry, 1989-1998

Morris Kahn Associate Professor, 1988-89

Associate Professor, 1986-88

Assistant Professor, 1982-86

Stanford University, Visiting Professor, Chemical Engineering, Spring 2001

### Administrative Positions:

Harvard University

Chair of the Chemistry and Chemical Biology Department, 2004-2007

Associate Dean, Faculty of Arts & Sciences, 2002-2005

Assoc. Director, Harvard Materials Research Science and

Engineering Center, 2001-present

Faculty of Arts & Sciences Resources Committee, 1999-present

Trustee, Radcliffe College, 1990-93

### Other Experience:

Luce Foundation, Claire Booth Luce Fellowship Selection Board, May 2000-  
present

General Motors Research Laboratory, Physical Chemistry Department,  
Visiting Researcher, January-February 1981

Brookhaven National Laboratories, National Synchrotron Light Source,  
Visiting Scientist, November 1983-1988

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### Honors & Awards

#### *International Awards:*

Hanse-Wissenschaftskolleg Fellowship, Germany, 2008

Alexander von Humboldt Senior Research Award, 2007

#### *National Honors & Awards:*

ACS George C. Olah Award in Hydrocarbon Chemistry, 2009

Michelle Clayman Fellow, Stanford University, Spring 2008

Langmuir Lecturer, Colloid Division of the American Chemical Society, 1995

Smithsonian Institute, Chosen Scientist for Permanent Exhibit, "Science & American Life", 1992-present

Iota Sigma Pi: Agnes Fay Morgan Research Award, 1991

Garvan Medal of the American Chemical Society, 1991

Union Carbide Innovation Recognition Program, 1988-89

Presidential Young Investigator Award, 1985-1990

IBM Faculty Development Award, 1983-1985

#### *Named Lectureships:*

Lind Lectures, Southeast ACS section, 2008

Peter A. Leermakers Symposium speaker, Wesleyan University, 2002

Musselman Lecturer, Gettysburg College, 2000

Thomas Lectureship, University of Missouri, April 1998

Southern Lecturer, Furman University, 1996

Five College Lecturer (University of Massachusetts, Amherst, Smith, Hampshire, Mt. Holyoke Colleges), 1996

Arthur Vernon Memorial Lecturer, Northeastern University, 1996

Spicer Memorial Lecturer, Georgia Institute of Technology, 1994

Mary Kapp Lecturer, Virginia Commonwealth University, 1994

Plenary Lecturer, Kansas Academy of Arts & Sciences, 1994

Research Scholar Lecturer, Drew University, 1994

Miles Lecturer, University of New Hampshire, 1994

Procter and Gamble Lecturer, University of Cincinnati, 1993

Bernhard Visiting Fellow, Williams College, 1992

Robert Welch Lecturer (UT-Austin; Rice University; University of Texas, San Antonio) 1992

Cargill Lecturer, University of South Florida, 1992

Lucy Pickett Lecturer, Mount Holyoke College, 1991

#### *Other Recognition:*

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Elected to Iota Chapter, Phi Beta Kappa, Radcliffe College, 1992

Distinguished Young Alumni Award, University of California, Davis, 1990

### Professional Activities

#### *Scientific Organizations:*

U.S. Department of Energy Committee of Visitors, Office of Basic Energy Sciences, 2008

Chair, 2007 Gordon Research Conference on "Chemical Reactions at Surfaces"

Co-Chair, "Building Strong Academic Chemistry Departments through Gender Equity, sponsored by DOE, NIH and NSF, 2006

Co-Chair, Opportunities in Nanocatalysis Workshop, October 2005

U.S. Department of Energy Committee of Visitors, Office of Basic Energy Sciences, 2005

Council of the Gordon Research Conferences, January 2002 – 05

U.S. Representative, International Union of Pure and Applied Chemistry, 2000-03

Chemical & Engineering News Advisory Board, 2001-2002

56th Annual Conference on Physical Electronics Committee, 1995-96

Board on Chemical Science and Technology, National Research Council, 1992

Advanced Light Source: Users' Executive Committee, 1990-93

NSF Chemistry Advisory Panel, 1989-92

Program Chair, New England Catalysis Society, 1987-89

General & Program Chair, 1987ACS Biennial Inorganic Chemistry Symposium,  
*Molecular Design of Materials*

NATO Advisory Panel Organic Chemistry, 1987

#### *Academic*

Faculty of Arts and Sciences Resources Committee, 1999-2008

Harvard University Benefits, Administration Subcommittee, 1996-98

Faculty of Arts and Sciences Standing Committee on Athletic Sports, 2001-2002

The Committee on Undergraduate Studies in Applied Mathematics, 1999-2002

Faculty Council, Harvard University, 1992-95; 1998-2001

Radcliffe Institute Faculty Consultative Committee, 2000

President's Search Advisory Committee for Radcliffe Dean, 1999-2000

Chair, Elected Docket Committee, Harvard University, 1998-2000

Standing Committee on the Core, Science Subcommittee, 1998-99

Faculty of Arts and Sciences Benefits Committee, 1996-98

Hoopes Prize Committee, Spring 1996-98

Harvard Foundation for Intercultural and Race Relations Advisory Committee, 1996-97

President's Work and Family Advisory Committee, Harvard University, 1995-

97

Chair, Harvard FAS Standing Committee on Women, 1991-94

Member, Harvard FAS Standing Committee on Women of Committee, 1989-97

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### Teaching:

Freshmen Chemistry (Advanced group), Chemistry 10  
Integrated Course in Chemistry and Physics, Chemistry 8,9  
Physical Chemistry Laboratory, Chemistry 165  
Inorganic Chemistry, Chem 40  
Quantum Mechanics, Chemistry 160  
Advanced Physical Organic Chemistry, Chemistry 105 A  
Surface and Interfacial Chemistry, Chemistry 267  
Nanoscience and Materials Science, Applied Physics 298r

### Consulting:

Mitsubishi Chemical Company, 2005-2007  
Paul Hastings LLP; 2004  
Pennie & Edmonds LLP, 2002-2003  
Ryoka Systems; Tokyo, Japan, 1995-2003  
Kaelow and Assoc., LLP, 1998-1999  
Texaco Lubricants Division, 1995-98  
Advanced Technology Materials; Danbury, CT, 1988-92  
Lord Corporation; Cary, NC, 1987-90

### Professional Societies:

American Chemical Society  
American Association for the Advancement of Science  
Iota Sigma Pi

### Editorial Boards:

*Accounts of Chemical Research*, 2006-present  
*Surface Science*, 2000-present  
*The Chemical Intelligencer*, 1997-present  
*Chemical Engineering News*, 1999-2001  
*Langmuir*, 1991-2001  
*Journal of Cluster Science*, 1990-1994