**Richard N. Zare: Curriculum Vitae**

**EDUCATION AND PROFESSIONAL EXPERIENCE**

1961 B.A. (Chemistry and Physics), Harvard University

1961-1963 Postgraduate work, University of California at Berkeley

1964 Ph.D. (Chemical Physics), Harvard University, (NSF Predoctoral Fellow)

1964-1965 Postdoctoral Research Associate, Joint Institute for Laboratory Astrophysics (JILA), University of Colorado

1965-1966 Assistant Professor, Department of Chemistry, Massachusetts Institute of Technology

1966-1968 Assistant Professor, Department of Physics and Astrophysics, University of Colorado

1968-1969 Associate Professor, Department of Physics and Astrophysics and Department of Chemistry, University of Colorado

1969-1977 Professor, Department of Chemistry, Columbia University

1975-1977 Higgins Professor of Natural Science, Columbia University

1977- Professor, Department of Chemistry, Stanford University

1980-1985 Shell Distinguished Professor of Chemistry, Stanford University

1982 Christensen Fellow, St. Catherine's College, Oxford University

1984-1986 Stanford University Fellow

1985- Fellow Adjoint, Joint Institute for Laboratory Astrophysics, University of Colorado

1987- Marguerite Blake Wilbur Professor in Natural Science, Stanford University

1992- Professor of Physics, Stanford University

2006-2010 Howard Hughes Medical Institute Professor, Stanford University

2006-2011 Chair, Department of Chemistry, Stanford University

**HONORS AND AWARDS**

2019 Yusuf Hamied Visiting Professorship, New Delhi, India

2017 Othmer Gold Medal, Chemical Heritage Foundation, Philadelphia, Pennsylvania2016 Honorary Doctorate, University of Edinburgh, Edinburgh, Scotland

2013 Honorary Doctorate, University of South Florida, Tampa, Florida

2012 The International Science and Technology Cooperation Award of the People's Republic of China

2012 The World Academy of Sciences Lecture Medal

2012 The Torbern Bergman Medal, The Swedish Chemical Society, The Analytical Division

2011 Honorary Membership into the Japan Society for Analytical Chemistry (JSAC)2011 Einstein Professorship of the Chinese Academy of Sciences

2011 King Faisal International Prize in Science (shared with George M. Whitesides)2010 R. B. Bernstein Award in Stereodynamics (shared with R.D. Levine)2010 Honorary Fellow of the Chinese Chemical Society

2010 BBVA Foundation Frontiers of Knowledge Award in the Basic Sciences category (shared with Michael E. Fisher)

2010 Priestley Medal, American Chemical Society

2010 Theodore William Richards Medal, Northeastern Section of the American Chemical Society

**MEMBERSHIPS, COMMITTEES, BOARDS, etc.**

2019 Wallenberg postdoctoral scholarship review committee

2018 Honorary Advisor, Current Medicinal Chemistry, International Center for Chemical and Biological Sciences

2014 Member, Board of Trustees Committee, Stanford University 2012 Member, Advisory Board, School of New Sciences, DGIST, Daegu, South Korea2012 Honorary Professorship, Shanghai Jiao Tong University (SJTU)

2012 Chair, COSEPUP (Committee on Science, Engineering, and Public Policy) of the National Academy of Sciences, the National Academy of Engineering, and the Institute of Medicine

2011 Member, Executive Committee, Board of Directors, Wonderfest, Inc.2010 Board of Directors, The Camille and Henry Dreyfus Foundation

2010 Chair, International Evaluation Committee, National Science Foundation of China2009 Fellow, TWAS, Academy of Sciences for the Developing World

2009 Fellow, American Chemical Society2008 Honorary Fellow, Indian Academy of Sciences2008 Fellow, Michelle R. Clayman Institute for Gender Research2008 Fellow, Association for Women in Science2007 Honorary Fellow, Chemical Research Society of India (CRSI)2007 Advisor, Camille and Henry Dreyfus Foundation

1995 Board of Directors, Annual Reviews

**Editorial Advisory Boards:**

Natural Sciences

Chemistry WorldHonorary Board member of Physical Chemistry and Chemical Physics (PCCP)Analytical SciencesAngewandte ChemieCentral European Journal of ChemistryChemPhysChemChemical PhysicsChemical Physics LettersMolecular PhysicsJournal of Separation SciencesChinese Journal of Chromatography

Current Science

Brainwave

Chromatography

**Scientific Advisory Boards:**Pufendorf Institute, Lund University, Lund, SwedenInternational Advisory Board of the State Key Laboratory of Physical Chemistry of Solid Surfaces (PCOSS), Xiamen, ChinaHybrid Vigor InstituteFluidigmEksigent, Inc.Pharmacyclics, Inc.Prolinx, Inc.Cepheid, Inc.PicarroWonderfestAdvisory Council for Chemistry at OxfordElectronic Nobel Museum/Young Scholars Program

**NAMED LECTURESHIPS/ SPEAKER**

2022 Stereodynamics 2022, Rethymnon, Crete, Greece

2022 University of Crete, Heraklion, Crete, Greece

2022 University of Mumbai. Mumbai, India

2022 Tata Institute of Fundamental Research, Mumbai, India

2022 IIt Madras, Chennai, India

2022 IIT Roorkee, Roorkee, India

2022 Department of Chemistry, King Fahd University of Petroleum and Minerals, Dammam, Saudi Arabia

2022 Invited lecture, Universidade Nova de Lisboa (NOVA), Lisbon, Portugal (virtual)

2022 Invited lecture, IST – Universidade de Lisboa, Lisbon, Portugal (virtual)

2022 Invited lecture, Institute des Sciences Moléculaires Orsay (ISMO) Orsay, France (virtual)

2022 Invited lecture, Gothenburg Bioanalytical Webinar (virtual)

2022 Invited lecture, Pomona College, Claremont, CA (virtual)

2022 Invited lecture, department of Chemistry at Penn State University, PA

2022 Invited lecture, Jean Dreyfus Lectures, William and Mary University, Williamsburg, VA.

2022 Invited lecture, Elving Lecture at University of Michigan, MI.

2021 Invited lecture, 26th Latin-American Symposium on Biotechnology, Biomedical, Biopharmaceutical, and Industrial Applications of Capillary Electrophoresis and Microchip Technology (LACE 2021), Brazil, virtual.

2021 Invited lecture, Indian Association for the Cultivation of Science (IACS), virtual

2021 Invited lecture, International Union of Pure and Applied Chemistry, Ottawa, Canada, virtual

2021 Invited lecture, West Chester University, West Chester, PA (virtual)

2021 Invited lectures, Tata Institute pf Fundamental Research (TIFR), Mumbai, India, (virtual)

2021 Invited lecture, International Panel of Mesoscience, Beijing, China (virtual)

2021 Plenary lecture, Asianalysis XV, Taipei, Taiwan (virtual)

2021 Invited lecture, World Laureates Forum, Beijing, China (virtual)

2021 Invited lecture, From Water to Air; Scientific Pathways to a Clearer, Cleaner, Future, Lausanne, Switzerland (virtual)

2021 Plenary Lecture, 58th Annual Convention of the Indian Chemical Society, Kolkata, India (virtual)

2021 Invited lecture, Bhagwan Parshu Ram College Kuruksheta, Kuruksheta, India (virtual)

2021 Plenary lecture, Latin American Symposium on Biotechnology, Biomedical, Biopharmaceutical, and Industrial Applications of Capillary Electrophoresis and Microchip Technologies (LACE), Sao Paulo, Brazil (virtual)

2020 Invited lecturer, University of Alabama Chemistry Department (virtual)

2020 Invited Laureate speaker, 3rd World Laureates Forum (virtual)

2020 Invited speaker, London Proteomics Discussion Group (virtual)

2020 Invited speaker, ACS Fall 2020 Virtual Meeting and Expo.

2020 Invited speaker, Sino-American Pharmaceutical Scientist Association Scientific Symposium (virtual)

2020 Invited guest speaker, Dine with a Scientist, Irvington High School, Fremont, CA.

2019 Invited speaker, 70th Anniversary of the Chinese Academy of Sciences, Beijing, China.

2019 Invited speaker at the 2nd International Panel of Mesoscience meeting, Beijing, China.

2019 Yusuf Hamied Visiting Professorship, trip to India, speaker at IISER Mohali, IISER Kolkata, IISER Berhampur, IISER Tirupati, IISER Pune, India.

2019 Keynote speaker at the Otto Stern Fest, Frankfurt.

2019 Plenary speaker at 2019 Liangjiang International Pediatric Forum, Chongqing, China.

2019 Invited speaker at Physical Organic GRC, Holderness, New Hampshire.

2019 Speaker at the New Horizons in Chemical Physics, Merton College, Oxford, England.

2019 G.F. Smith Lecturer 2019, University of Illinois at Urbana-Champaign, IL.

2019 Plenary speaker at the 35th International Symposium on Microscale Separations and Bioanalysis, Corvallis, Oregon.

2019 W. A. Noyes Distinguished Lecture in Physical Chemistry, University of Texas- Austin, Texas.

2018 Phi Lambda Upsilon- Rho Chapter Award Lectureship, University of Nebraska-Lincoln, Nebraska.

2018 Hach Distinguished Lecturer, Colorado State University, Fort Collins, Colorado

2018 Speaker at the 29th Annual Waters Symposium Pittcon, Orlando.

2018 Gislason Lectureship in Physical Chemistry, University o fIllinois, Chicago.

2018 Plenary speaker at 8th ISBBN in Changsha, China.

2018 Speaker at RSC Award Symposium at SCIX Atlanta, GA.

2018 Speaker at El Colegio National, Mexico.

2017 Johnson-Sessler Lecture in Physical Chemistry, Yale University, New Haven, Connecticut

2017 C N R Rao Endowment Lecture, Indian Institute of Science (IISc), Bangalore, India

2017 G N Ramachandran Lecture, S. N. Bose National Centre for Basic Sciences, Kolkata, India

2017 Charusita Memorial Lecture, St. Stephen’s College, Delhi, India

2017 Plenary Lecture, 20th CRSI National Symposium in Chemistry, Gauhati University, Guwahati, India

2015 Brian Bent Memorial Lecture, Columbia University, New York, New York

2014 Pegram Lectures, Brookhaven National Laboratory, Upton, New York

2014 Fred M. Weissman Lecture in Analytical Chemistry, University of South

 Carolina, Columbia, South Carolina.

2014 Wilhelm Jost Memorial Lectures, Freie Universität, Berlin; Gottfried Wilhelm Leibniz Universität, Hannover; Georg-August-Universität, Göttingen, Germany

2014 Centenary Lecture, Indian Institute of Science (IISc), Bangalore, India

2014 2014 CV Raman Lecture, Indian Association for the Cultivation of Science (IACS), Kolkata, India

2014 Bangalore Science Forum, Bangalore, India

2014 Visva-Bharati University, Santiniketan, India

2014 Homi Bhabha Lecture, Tata Institute for Fundamental Research (TIFR), Mumbai, India

2014 King Abdullah University of Science and Technology (KAUST), Saudi Arabia

2013 Heaven and Earth Distinguished Lectures, Nanjing Univerisity, China

2013 James S. Plant Distinguished Lecture, Hamilton College, Clinton, New York

2013 Plenary Lecture, Wu Chien-Shiung Science Summer Camp, Xitou,

 Taiwan

2013 New Biology Distinguished Lecture, DGIST, Daegu, South Korea

2013 Jackson Lecture, University of Florida, Gainesville, Florida

2013 Martin Lecture, University of South Florida, Tampa, Florida

2013 Svedberg Lecture, Uppsala University, Uppsala, Sweden

2013 Linnett Visiting Professor Lectureship, Department of Chemistry,

 University of Cambridge, Cambridge UK

2013 Lady Margaret Lecture, Christ’s College, University of Cambridge,

 Cambridge, UK

2013 Department of Chemical Engineering, Tsinghua Unviersity, Beijing,

 China

2013 Department of Chemistry, Beijing Institute of Technology, Beijing, China

2013 Shipley Lecture, Department of Chemistry, Clarkson University

2013 Teickmann Lecture, SUNY Buffalo

2012 ISIC Seminar, Ecole Polytechnique Fédérale de Lausaunne, Switzerland

2012 Jean Dreyfus Boissevain Lecture, Bucknell University, Lewisburg, PA

2012 Izatt-Christensen Lecturer, Bringham Young University

2011 Plenary Lecture, Recent Trends in Spectroscopy and Dynamics of Chemical Systems, University of Hyderabad

2011 Plenary Lecture, Celebration of Chemistry @ IITK, Indian Institute of Technology Kanpur

2011 Plenary Lecture, The Third Asian Spectroscopy Conference, Science and Art Center of Xiamen University

2011 Wynne-Jones Memorial Lecture, University of Newcastle2011 Plenary Lecture, IUPAC International Congress on Chemical Sciences,

 Kyoto, Japan

2011 Salomon Bochner Lecture, Scientia, Rice University

2011 The Thirtieth Annual Barnett Lectureship, Northeastern, The Barnett Institute of Chemical and Biological Analysis

2011 NSF Distinguished Lecture Series in Mathematical and Physical Sciences2011 The 22nd Annual Frontiers in Chemistry Symposium, The Scripps

 Research Institute

2011 Plenary Lecture, Year of Chemistry, Uppsala University

2010 Plenary Lecture, 45º Congreso Mexicano de Química y 29º Congreso Nacional de Educación Química, Riviera Maya, Quintana Roo, Mexico

2010 Wolf Prize Foundation Laureate Lecture, International Symposium “Frontiers in Photon Science”, University of Manchester

2010 Oakley R. Vail Lectures, Wake Forest University2010 Plenary Lecture, International Conference on Chemical Education, Taipei,

 Taiwan

2010 Global Vision Lecture, Tsinghua University, Beijing, China2010 Plenary Lecture, 15th General Assembly, Chinese Academy of Sciences,

 Beijing, China

2010 Plenary Lecture, 4th International Symposium on Bioanalysis, Biomedical Engineering and Nanotechnology, Changsha, China

2010 C.R. Mueller Memorial Lecture, Purdue University2010 Plenary Lecture, Academia Sinica, Taipei, Taiwan2010 Plenary Lecture, Isranalytica, Tel Aviv, Israel2009 MTSU Distinguished Lecture, Middle Tennessee State University2009 NanQiang Lecture, Xiamen University, Xiamen, China2009 Rajiv Gandhi Science and Technology Lecture, Bangalore, India

2009 Dr. Emily Davis and Dr. Homer C. Weed Lecture, Department of Chemistry and Biochemistry, University of Arizona

2009 A. R. Gordon Distinguished Lectures Series, University of Toronto,

 Toronto, Canada2009 Abbott Chemistry Lectures, University of North Dakota2009 Phyllis Johnson Patrick Lecture, Kansas State University

2009 Platinum Jubilee Lecture, Indian Academy of Sciences, Bangalore University, Bangalore, India

2008 Robert S. Mulliken Lecture, University of Georgia2008 Leland Wilson Endowed Lecture, University of Northern Iowa2008 Frank Whitmore Lecture, The Pennsylvania State University2008 Helen Murray Free Endowed Lecture, University of Wooster

2008 Plenary Lecture, 10th National Symposium, Chemical Research Society of India, Bangalore, India

2007 William A. Chupka Lectureship in Physical and Theoretical Chemistry,

 Yale, University2007 The Arnold C. Ott Lectureship in Chemistry, Grand Valley State

 University2007 3M/Ronald A. Mitsch Lecture in Chemistry, Hamline University

2007 18th Leopold Marcus Lecture, Department of Chemistry, Washington University in St. Louis

2007 Nobel Laureates 2007 Beijing Forum on Energy and the Environment,

 Beijing, China2007 Plenary Lecture, Ninth Annual Beckman Scholars Symposium, Irvine,

 California2007 Roberts Lecturer, University College, London, UK2007 Distinguished Frontiers Speaker, The University of Toledo2007 Ritter Memorial Lectures, Miami University of Ohio2007 Keynote Speaker, Honors Week Celebration, Kent State University2007 Morino Lectures, University of Tokyo and Kyoto University, Japan2006 Plenary Speaker, New Zealand Institute of Chemistry Conference,

 Rotorua, New Zealand

2006 Sir Neil Waters Distinguished Lectureship, Massey University, Palmerston North, New Zealand

2006 Michael Faraday Lecture, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India

2006 Oesper Lecture, University of Cincinnati2006 Mission Bay Seminar, University of California at San Francisco2006 Cal Giddings Lecture, University of Utah

2006 Keynote Lecture, Biennial Conference on Chemical Education (BCCE), Purdue University

2006 Plenary Lecture, International Workshop on Bioanalytical Chemistry and Biomedical Engineering, Hunan University, Changsa, China

2006 Distinguished Zhang Dayu Lecture, Dalian Institute of Chemical Physics, Chinse Academy of Sciences, Dalian, China

2006 Lectures in Modern Chemistry, Department of Chemistry, University of British Columbia, Vancouver, BC, Canada

2006 Spring Colloquium Speaker, Department of Chemistry & Biochemistry, University of Washington

2006 Frontiers in Chemical Research Lecturer, Texas A & M University2006 G. Wilse Robinson Lecturer, Texas Tech University2006 Vessman Lecture, Chalmers University, Göteborg, Sweden

2006 Plenary Speaker, Photon Science Institute Launch, University of Manchester, Manchester, UK

2006 Purves Lecturer, McGill University, Montreal, Canada

2005 Plenary Speaker, Federation of Analytical Chemistry and Spectroscopy Societies (FACCS), Quebec City, Canada

2005 Plenary Speaker, ScotCHEM Launch, Edinburgh, Scotland

2005 Plenary Speaker, CONNECT 2005, 12th Royal Australian Chemical Institute (RACI) National Convention, Sydney, Australia

2005 PECRUM Lecturer (Perspective on Chemistry Research at the University

 of Michigan)2005 Keynote Speaker, Atlanta Undergraduate Research Alliance (AURA)2004 Arthur D. Little Lecturer, MIT2004 William E. Mahoney Lecturer, University of Massachusetts Amherst2004 Mitchum E. Warren, Jr. Lecturer, Department of Chemistry, Vanderbilt

 University2004 Robert A. Jenkins Memorial Lecturer, Department of Chemistry,

 University of Wyoming

2004 Charles Herron Lecturer, Department of Chemistry and Biochemistry, Florida State University

2004 Noyes Lecturer, Department of Chemistry, University of Oregon2003 Plenary Lecturer, Singapore International Chemistry Conference 3,

 Singapore

2003 S. Dexter Squibb Distinguished Lecturer, Department of Chemistry, University of North Carolina

2002 Haberman Lecturer, Department of Chemistry, Marquette University

2002 Samuel M. McElvain Seminar, Department of Chemistry, University of Wisconsin-Madison

2002 George Gamow Memorial Lecture, University of Colorado at Boulder

2001 L. Carroll King Memorial Lectures, The Department of Chemistry, Northwestern University

2001 R. T. Majors Lecturer, The Department of Chemistry, University of\

 Connecticut

2001 Flygare Memorial Lecturer, Department of Chemistry, University of Illinois at Urbana-Champaign

2001 Faraday Lecturer, Royal Society of Chemistry2000 Hirschmann Lecturer, Oberlin College2000 Carr Lecturer, Department of Chemistry, Coe College

2000 Manuel G. Menendez Memorial Lecturer, Department of Physics and Astronomy, University of Georgia

2000 Anderson Lecture, Department of Physics and Astronomy, Denison

 University

2000 The Timothy J. O’Leary, S. J. Distinguished Scientist Lecturer, The Science Departments of Gonzaga University

1999 Lyle Ramsay Dawson Lecturer, Department of Chemistry, University of

 Kentucky

1999 S. C. Lind Lecture, East Tennessee Section of the American Chemical

 Society1999 Charles M. Knight Lecturer, Department of Chemistry, The University of

 Akron

1999 The O. K. Rice Lecturer, Department of Chemistry, The University of North Carolina at Chapel Hill

1999 The Lloyd B. Thomas Chemistry Scholars Lecturer, Department of Chemistry, University of Missouri

1999 The Joe L. Franklin Memorial Lecture, Department of Chemistry, Rice

 University1998 Harry Emmett Gunning Lecturer, Department of Chemistry, University of

 Alberta1998 Clifford C. Hach Lecturer, Department of Chemistry, University of

 Wyoming1998 Barre Lecturer, University of Montreal, Canada1998 Kosalopoff Lecturer, Auburn University1998 Centenary Lecturer, Royal Society of Chemistry1998 Anson L. Clark Memorial Lecturer, University of Texas at Dallas1998 Billings Distinguished Lecturer, Montana State University1997 Claude Worthington Benedum Foundation Lecturer, West Virginia

 University1997 Robert Maurer Lecture, Department of Physics, University of Arkansas1997 Frank G. and Jean M. Chesley Lectureship, Carleton College1996 Jacob Bigeleisen Endowed Lecture, State University of New York Stony

 Brook1996 Gooch-Stephens Lectureship, Baylor University1996 DuPont Distinguished Speaker, Indiana University1996 G.B. Kistiakowsky Lecturer, Harvard University1996 Alexander M. Cruickshank Lecturer, Gordon Research Conference1995 Leroy Eyring Lecturer, Arizona State University1995 Velmer Fassel Lecturer, Iowa State University1995 Richard C. Lord Lecturer, Massachusetts Institute of Technology1995 Fred J. Robbins Lecturer, Pomona College1995 Moses Gomberg Lecturer, University of Michigan1995 Lemieux Lecturer, University of Ottawa1994 Frederic LeRoy Conover Memorial Lecturer, Vanderbilt University1994 Raymond Lemieux Lecturer, University of Ottawa1994 Peter Smith Lecturer, Duke University1993 Paul C. Cross Lecturer, University of Washington1993 Linus Pauling Distinguished Lecturer, Oregon State University1993 R.B. Bernstein Memorial Lecturer, UCLA1993 Nalbandov Lecturer, University of Illinois1992 George C. Pimental Lecturer, UC Berkeley1992 Robert S. Mulliken Lecturer, University of Chicago1991 Arthur D. Little Lecturer, Northeastern University1991 J. T. Donald Lecturer, McGill University1991 Frederick Kaufman Lecturer, University of Pittsburgh1991 Peter A. Leermakers Symposium Lecturer, Wesleyan University1991 Russell Marker Lecturer in the Chemical Sciences, Pennsylvania State

 University1991 Ernest H. Swift Lecturer, California Institute of Technology1990 Amy/Mellon Lecturer, Purdue University1990 Distinguished Scientists Lecturer, Trinity University1989 E. K. C. Lee Lecturer, University of California at Irvine1989 Geoffrey Frew Fellow, Australian Academy of Sciences1989 Max T. Rogers Lecturer, Michigan State University1989 Joel Broberg Lecturer in Chemistry, North Dakota State University1989 Gustavson Lecturer, University of Denver1989 Kennedy Lecturer, Washington University, St. Louis1989 John Albert Southern Lecturer, Furman University1989 Distinguished Visiting Lecturer, University of Texas at Austin1988 Procter and Gamble Lecturer, University of Illinois at Champaign- Urbana1988 Xerox Lecturer, Simon Fraser University1988 Marvel-Monsanto Lecturer, University of Arizona1988 Appleton Lecturer, Brown University1987 Walter J. Chute Distinguished Lecturer, Dalhousie University1987 Edgar Fahs Smith Lecturer, University of Pennsylvania1987 Charles A. McDowell Lecturer in Chemical Physics, University of British Columbia1986 Weizmann Memorial Lecturer, Weizmann Institute, Rehovot, Israel

1986 Kirkwood Lecturer, Yale University, New Haven Section of the American Chemical Society

1986 Friend E. Clark Lecturer, West Virginia University1986 Michelson-Morley Lecturer, Case Western Reserve University1986 Fritz London Memorial Lecturer, Duke University1986 Merck Distinguished Lecturer, Rutgers University

1986 "Frontiers of Science" Distinguished Visiting Professor, University of

 Florida1985 Camille and Henry Dreyfus Lecturer, Dartmouth College1985 Davis Lecturer, University of New Orleans1985 Priestley Lecturer, Pennsylvania State University1985 Coover Lecturer, Iowa State University1985 Francis E. Blacet Lecturer, University of California at Los Angeles1984 Plenary Lecturer, Lasers '841984 John E. Willard Lecturer, University of Wisconsin1984 Evans Lecturer, Ohio State University1984 "Frontiers in Chemical Research" Distinguished Lecturer, Texas A&M

 University1983 Distinguished Scientist Lecturer, University of Arizona

1983 ICPEAC Plenary Lecturer, XIII International Conference on the Physics of Electronic and Atomic Collisions, Berlin, Germany

1983 William Draper Harkins Lecturer, University of Chicago1983 Falk-Plaut Lecturer, Columbia University1982 Dreyfus Scholar in Residence, Hope College1982 Venable Lecturer, University of North Carolina1982 Albert W. Noyes Lecturer, University of Texas at Austin1982 Jeremy Musher Memorial Lecturer, Hebrew University1982 Guggenheim Lecturer, Reading University1982 Hinschelwood Lecturer, Oxford University1981 Research Scholar, Drew University1981 University Professor, University of Arkansas1981 Honor Lecturer in Chemistry, Arizona State University1980 McGregory Lecturer, Colgate College1980 Baker Lecturer, Cornell University1980 Kolthoff Lecturer, University of Minnesota1980 William Pyle Philips Lecturer in Chemistry, Haverford College1979 Frank T. Gucker Lecturer in Chemistry, Indiana University1979 Peter C. Reilly Lecturer, University of Notre Dame1979 Francis Clifford Phillips Lecturer, University of Pittsburgh1978 Distinguished Visiting Professor, Michigan State University

1977 Edward U. Condon Lecturer in Chemical Physics, University of Colorado

1977 Distinguished University Lecturer, University of Utah1977 Sherwin Williams Lecturer, University of Illinois1977 Frontiers in Chemistry Lecturer, Wayne State University1976 Westinghouse Invited Lecturer in Chemistry, Pittsburgh, Pennsylvania1976 FMC Lecturer, Princeton University1975 Harold Herborg Nielsen Lecturer, Ohio State University1972 Arthur D. Little Visiting Professor, Massachusetts Institute of Technology