



# Allen J. Bard

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**Education** Ph.D. in Chemistry, 1958, Harvard University (J. J. Lingane, mentor)  
M.A. in Chemistry, 1956, Harvard University (J. J. Lingane, mentor)  
B.Sc. in Chemistry, 1955, City College of New York, summa cum laude  
Thayer Scholarship, 1955-1956  
National Science Foundation Predoctoral Fellowship, 1956-1958

## Professional Positions

Director, Center for Electrochemistry, The University of Texas, 2006-present  
Hackerman-Welch Regents Chair in Chemistry, The University of Texas, 1985-present  
Norman Hackerman Professor of Chemistry, The University of Texas, 1982-1985  
Jack S. Josey Professorship in Energy Studies, The University of Texas, 1980-1982  
Professor of Chemistry, The University of Texas, 1967-present  
Associate Professor, The University of Texas, 1962-1967  
Assistant Professor, The University of Texas, 1960-1962  
Instructor, The University of Texas, 1958-1960  
Fulbright Fellow (University of Paris 7), 1973  
Visiting Professor (University of Tokyo) 1975  
Sherman Mills Fairchild Scholar (California Institute of Technology), 1977  
Woodward Visiting Professor (Harvard University), 1988

## Research Interests

Research interests involve the application of electrochemical methods to the study of chemical problems and include investigations in electroanalytical chemistry, electron spin resonance, electro-organic chemistry, high-resolution electrochemistry, electrogenerated chemiluminescence and photoelectrochemistry.

## Awards

1955	Ward Medal in Chemistry
1976	Analyst of the Year (Dallas Society of Analytical Chemistry)
1977	Sherman Mills Fairchild Scholar (California Institute of Technology)
1980	Harrison Howe Award (American Chemical Society, Rochester Section)
1981	Carl Wagner Memorial Award (Electrochemical Society)
1982	National Academy of Sciences
1983	City College of New York Alumni Scientific Achievement Award
1984	Bruno Breyer Memorial Award (Royal Australian Chem. Inst.) Fisher Award in Analytical Chemistry (American Chemical Society) Charles N. Reilley Award (Society of Electroanalytical Chemistry)
1986	Henry Linford Award (Electrochemical Society) Docteur Honoris Causa (Universite de Paris-VII) New York Academy of Sciences Award in Mathematics and Physical Sciences
1987	Willard Gibbs Award (American Chemical Society, Chicago Section) Olin-Palladium Medal (Electrochemical Society)
1988	Analytical Chemistry Award in Electrochemistry (American Chemical Society) Woodward Professor (Harvard University)
1989	Edward Mack Award (Ohio State University) Townsend Harris Medal (The City College of New York) Oesper Award (American Chemical Society, Cincinnati Section)
1990	American Academy of Arts and Sciences Fellow Electrochemical Society Fellow Outstanding Achievement-Fields of Analytical Chemistry (Eastern Analytical Symposium)

1992	G. M. Kosolapoff Award (Auburn University) Luigi Galvani Medal (Società Chimica Italiana)
1995	Outstanding Graduate Teaching Award (University of Texas at Austin)
1996	Sigillum Magnum (Università di Bologna)
1998	National Academy of Sciences Award in Chemical Sciences Pauling Award (American Chemical Society, Puget Sound and Portland Sections)
2000	American Philosophical Society Honorary Doctorate, Texas A&M University
2001	Career Research Excellence Award (UT Co-op Society) Pittsburgh Analytical Chemistry Award
2002	Priestley Medal (American Chemical Society)
2003	Presidential Citation (University of Texas at Austin) Honorary Doctorate, Weizmann Institute of Science
2004	William H. Nichols Medal (NY-ACS) Welch Foundation Award in Chemistry
2007	Heinz Gerischer Award (European Section of The Electrochemical Society)
2008	Wolf Prize in Chemistry (Wolf Foundation, Israel)
2009	Distinguished Scientist Award (Southeastern Universities Research Award – SURA)
2010	Honorary Fellowship from the Royal Society of Chemistry Honorary Fellowship of The Chinese Chemical Society
2011	National Medal of Science (Awarded February 2013)

### Professional Activities

<b>Air Force Office</b>	Scientific Research Evaluation Panel (1977-1981)
<b>American Academy of Arts and Sciences</b>	Chemistry Section Election Panel (2004, 2007)
<b>American Chemical Society</b>	Elected to Inaugural group of Fellows (2009) ACS Executive Director's 2010 Committee (2004) Editor-in-chief, <i>Journal of the American Chemical Society</i> ; 1982-2001 Task Force on Ethics of the Council Policy Committee (2001) Governing Board for Publishing's Task Force on Access and Pricing for Online Journal Backfiles (2001) Associate Editor, <i>Journal of the American Chemical Society</i> ; 1980-1981 Award Committee; ACS Award in Analytical Chemistry; 1995-1997 Committee to Select Editor for <i>Analytical Chemistry</i> (1990) <i>Ad Hoc</i> Task Force to Evaluate <i>JACS</i> (1979)
<b>Beckman Institute (University of Illinois)</b>	External Advisory Board (1989-1997)
<b>Biodesign Institute (Arizona State University)</b>	Scientific Advisory Board (2006-2008)
<b>Center for Photochemical Sciences Advisory Board</b>	Board Member, Bowling Green State University (2002-2005)
<b>Department of Energy</b>	Low Energy Nuclear Reactions (LENR) Review (2004) Energy Research Advisory Board, Panel on Cold Fusion (1989)
<b>Electrochemical Society</b>	Executive Committee of South Texas Local Section (1995) Divisional editor, <i>J. Electrochem. Soc.</i> (1970-1978) Vice-chairman, Electro-organic Division (1968-1970) Member, Committee on Education (1968-1970)
<b>International Society of Electrochemists</b>	Chemical Physics Program (vice-chairman, 1978-1980)
<b>International Union of Pure and Applied Chemistry (IUPAC)</b>	President (1991-1993) Vice-President/President elect (1990-1991) CHEMRAWN IV: Conference on Ocean Resources (co-chair, 1987) Commission on Chemical Kinetics (1983-1987) Commission on Electrochemistry (1975-1983)
<b>Israel Strategic Alternative Energy Foundation (I-SAEF)</b>	Honorary Co-Chair of I-SAEF Advisory Board (2012-present)

<b>National Academy of Sciences</b>	America's Energy Future Committee (2007-2008) Governing Board member, 2004-2005 Academy of Medicine, Engineering and Science of Texas (TAMEST) Board on Energy and Environmental Systems (1983-1986; 1993-1996; 2003-2009) Chair, Chemistry Section (1996-1999) Chair, Selection Committee, Award in Chemical Sciences (2002) Committee Member, Award in Chemical Sciences (2006)
<b>National Institute of Standards and Technology</b>	Evaluation Panel for Center for Analytical Chemistry (1983-1986)
<b>National Research Council</b>	Chair, Review Committee-Steacie Institute for Molecular Sciences (SIMS) NRC-Canada (2004) Co-Chair-Survey Workshop on Energy and Transportation (2001) Co-chair, Organizing Committee, Survey Workshop on Energy and Transportation (2002) U.S. National Committee for IUPAC (1983-1993; Chair, 1988-1989) Chemical Sciences Roundtable (1997-1999) Committee on Potential Applications of Concentrated Solar Photons (1990-1991) Board on Chemical Sciences and Technology (1982-1987; co-chair, 1985-1987): Committee to Survey Opportunities in the Chemical Sciences (1984-1986) <i>Ad hoc</i> Committee on the Future of Analytical Chemistry (1984) <i>Ex-officio</i> member: U.S. National Committee for Crystallography (1985); U.S. National Committee for Biochemistry (1985) National Materials Advisory Board: Committee on Electrochemical Aspects of Energy Conservation and Production (1985) Committee on Chemical Sciences and <i>ad hoc</i> Panel on DOE Research (1980-1984) NAS/NRC Liaison: Committee on High Temperature Science and Technology (1984)
<b>National Science Foundation</b>	Chemistry Advisory Committee (1981-1984) NSF-DOE Committee for Evaluation of NRCC
<b>SACHEM, Inc.</b>	Advisory Board Member (2009-present)
<b>Solar Energy Research Institute</b>	Panel Member (1978-1980)
<b>UNESCO</b>	Expert Committee on Electrochemistry (1984)
<b>Weizmann Institute</b>	Board of Governors (1995-2000, 2000-2005, 2005-2010) Scientific and Academic Advisory Committee (1995-1998; 2001-present)
<b>World Innovation Foundation</b>	Fellow (2006) Honorary Member (2007-present)
<b>CONSULTANT:</b> Calera, Dow Corning, Plug Power, Inc. <i>Past consultant:</i> BioVeris (was IGEN), SACHEM, Nucrust Pharmaceuticals, Konarka Technologies Inc., Orchid, Monsanto, CombiChem, Perkin-Elmer, Exxon Research and Engineering, ClearFlow, National Science Foundation, Phillips Petroleum, Rockwell International, Texas Instruments, Bell Northern, Radian Corp, E.I. DuPont, Electric Power Research Institute.	

### Lectureships

1969	Distinguished Visiting Scientist (Michigan State University) Distinguished Visiting Scientist (University of Florida)
1973	Fulbright Fellow (University of Paris)
1975	Visiting Professor (University of Tokyo)
1976	Kenan Visiting Professor (University of North Carolina)
1977	Sherman Mills Fairchild Scholar (California Institute of Technology)
1979	E.H. Swift Lecturer (California Institute of Technology)
1980	I.M. Kolthoff Lecturer (University of Minnesota)

	D.G. Davis Lecturer (University of New Orleans) Werner Lecturer (University of Kansas)
1981	Whitmore Lecturer (Pennsylvania State University) Kelly Lecturer (Purdue University) Conover Lecturer (Vanderbilt University) Frontiers of Science Lecturer (Case Western University)
1982	King Lecturer (Kansas State University) Karcher Lecturer (University of Oklahoma) Liebig Lecturer (University of Colorado) Ottawa-Carleton Lecturer (Ottawa-Carleton Institute for Research in Chemistry) Leermakers Symposium Lecturer (Wesleyan University) Schweitzer-Marple Lecturer (Northwestern University) Gustavson Lecturer (University of Chicago) Merck Lecturer (Bucknell University)
1983	F.M. Garland Lecturer (Texas A&I University) Eltech Lecturer (Case Western Reserve University) Dow Lecturer (Michigan State University)
1984	Willard Lecturer (University of Michigan) Majors Lecturer (University of Connecticut)
1985	Iddles Lecturer (University of New Hampshire) Frontiers in Chemistry (Texas A&M University) Semons Lecturer (Kent State University)
1986	Smith Lecturer (Oklahoma State University) Abbott Lecturer (University of North Dakota) Nekkers Lecturer (Southern Illinois University) A. Noyes Lecturer (University of Illinois)
1987	Hutchinson Lecturer (University of Rochester) Baker Lecturer (Cornell University)
1988	Dow Lecturer (University of Victoria, British Columbia, Canada) Distinguished Lecturer (University of Massachusetts) Priestly Lecturer (Pennsylvania State University) Willard Davis Lecturer (University of South Carolina) Centenary Lecturer (Royal Society of Chemistry, U.K.) Woodward Visiting Professor (Harvard University) W.M. Spicer Lecturer (Georgia Institute of Technology)
1989	Mack Award Lecturer (Ohio State University) Distinguished Visiting Speaker (University of Calgary) Distinguished Visiting Lecturer (San Diego State University) Friend E. Clark Lecturer (West Virginia University) Oesper Symposium Speaker (University of Cincinnati) W. Heinlen Hall Lecturer (Bowling Green State University) Venable Lecturer (University of North Carolina)
1990	Hill Memorial Lecturer (Duke University) M.E. Kapp Lecturer (Virginia Commonwealth University) H. Murray Clark Lecturer (San Jose State University) S. C. Lind Lectureship (ACS East Tennessee Section, Knoxville, TN)
1991	Gooch-Stephens Lecturer (Baylor University) Joel Broberg Lecturer (North Dakota State University) Linus Pauling Distinguished Lecturer (Oregon State University) Milton Kahn Lecturer (University of New Mexico) Samuel Ruben Lecturer (Reed College) Dow Lecturer (University of British Columbia) DuPont Distinguished Lecturer (Indiana University)

1992	G. M. Kosolapoff Lecturer (Auburn University) Phi Beta Kappa Lecturer (Knox College, Colgate University, Wake Forest University, University of Alabama, University of California, Los Angeles, University of Illinois, University of Wisconsin, and Boston University)
1993	W. R. Grace Distinguished Lecturer (University of Maryland) Xerox Distinguished Lecturer (Simon Fraser University) Samuel M. McElvain Analytical Sciences Lecturer (University of Wisconsin, Madison)
1994	National Research Council of Canada Distinguished Lecturer (Steacie Institute for Molecular Sciences) F.E. Beamish Lecturer (University of Toronto) Moses Gomberg Lecturer (University of Michigan) 3M University Lecturer (University of Western Ontario)
1995	Howard Ritter Memorial Lecturer (Miami University) Arthur D. Little Lecturer (Northeastern University) L. B. Rogers Lecturer (University of Georgia)
1996	Rayson Huang Visiting Lecturer (University of Hong Kong) FMC Plenary Lectures (Princeton University)
1997	Renfrew Lecture (University of Idaho) Northwest Lectureship in Physical Chemistry (University of Oregon)
1998	Society of Analytical Chemists /Spectroscopy of Pittsburgh Lecture (Pennsylvania State University)
1999	Lemieux Lectureship (University of Ottawa) Chancellor's Distinguished Lecturer (Louisiana State University)
2000	Probst Lecturer (Southern Illinois University, Edwardsville) Thomas Lecture (University of Missouri) Basterfield Lecture (University of Regina) Amy-Mellon Lecture (Purdue University) Brian Bent Memorial Lecture (Columbia University)
2001	Norman Sutin Symposium (Brookhaven National Laboratories) Humphrey Symposium (University of Vermont) Weissberger-Williams Lecture Series (Kodak Research Laboratories)
2002	Priestley Medal Address (American Chemical Society National Meeting)
2003	Neal R. Amundson Lecture Series (University of Guadalajara, Mexico)
2005	William Crews McGavock Lectures (Trinity University, San Antonio, TX) Bergveld lecture (University of Twente, Enschede, The Netherlands)
2006	Shain Colloquium Series (University of Wisconsin)
2007	G. F. Smith Lecture Series (University of Illinois at Urbana-Champaign) Director's Colloquium Series (Los Alamos National Laboratory, NM)
2010	Jefferson Lecture Series (University of Virginia)
2012	Dole Lecture Series (Northwestern University)

## Publications

Editor, *Electrogenerated Chemiluminescence*, Marcel Dekker: New York, 2004.  
 Editor, *Electroanalytical Chemistry*, 23 volumes  
 Editor, *Encyclopedia of Electrochemistry*  
 Editor, *Encyclopedia of the Electrochemistry of the Elements*, 16 volumes  
 Section Editor, *Encyclopedia of Physical Science & Technology*  
 Editor w/ Joseph Jordan and Roger Parsons, *Standard Potentials in Aqueous Solution*  
 Author w/ Larry Faulkner, *Electrochemical Methods*, Wiley, 1<sup>st</sup> Ed., 1980, 2<sup>nd</sup> Ed., 2001  
 Author, *Chemical Equilibrium*, Harper and Row, 1966  
 Author, *Integrated Chemical Systems*, Wiley-Interscience, 1994  
 Editor w/Michael V. Mirkin, *Scanning Electrochemical Microscopy*

Editor w/Michael V. Mirkin, *Scanning Electrochemical Microscopy 2<sup>nd</sup> Edition*  
Author of over 800 peer-reviewed papers and chapters and over 20 patents.

### **Editorships**

*Journal of the American Chemical Society* (editor-in-chief, 1982-2001)  
*Journal of the American Chemical Society* (associate editor, 1980-1981)  
*Electrochimica Acta* (divisional editor, 1978-1980)  
*Journal of the Electrochemical Society* (divisional editor 1970-1978)

### **Editorial Advisory Board Memberships**

*Accounts of Chemical Research* (1993-2007)  
*Analytical Letters* (1967-2004)  
*Analytical Sciences* (1985-1999)  
*Bulletin of the Chemical Society of Japan* (1995-2004)  
*Russian Chemical Bulletin* (1995-2008)  
*Catalysis Letters* (1988-1994)  
*Chemical Instrumentation* (1967-1977)  
*Chemical Physics Letters* (1992-1998)  
*Critical Reviews in Analytical Chemistry* (1985-1991)  
*Heterogeneous Chemistry Reviews* (1993-2007)  
*Journal of Photoacoustics* (1982-1984)  
*Journal of Supercritical Fluids* (1988-1995)  
*New Journal of Chemistry* (1978-1993)  
*Nano Letters* (2005-2006)  
*NANO* (2007-2008)  
*Academic Press Dictionary of Science and Technology* (1989-1992)  
*Encyclopedia of Analytical Chemistry: Instrumentation and Applications* (1996-2001)  
*Encyclopedia of Physical Science and Technology* (Academic Press, 1984-2004)  
*McGraw-Hill Encyclopedia of Science and Technology* (1992-1997)  
*Structure and Bonding* (Springer-Verlag, 1996-2005)

### **Professional Societies**

American Philosophical Society  
National Academy of Sciences (Chairman of Chemistry Section, 1996-1999)  
American Academy of Arts and Sciences  
American Chemical Society  
Electrochemical Society  
American Association for the Advancement of Science (Council Delegate, 1992-1995; Chair of Chemistry Section, Feb. 1997-Feb. 1998)  
The Association of Harvard Chemists  
Society of Electroanalytical Chemistry  
World Innovation Foundation Fellow (2004-2006); Honorary Member (2007)

### **Students and Postdoctoral Fellows**

Mentor and collaborator at the University of Texas at Austin with 83 Ph.D. students, 18 M.S. students, over 190 postdoctoral associates, and numerous visiting scientists.

### **Personal**

Citizen of the U.S.A.  
Married (Fran), two children (Eddie and Sara), four grandchildren