

**Curriculum Vitae**  
**Arthur Bienenstock**

Biographical and Personal Information

Address: 967 Mears Court, Stanford, CA 94305  
Phone: (650) 493-8649  
Fax: (650) 424-0259

Academic History

Polytechnic Institute of Brooklyn - B.S (Physics), 1955  
Polytechnic Institute of Brooklyn - M.S. (Physics), 1957  
Harvard University - Ph.D. (Applied Physics), 1962

Employment

Physicist, National Bureau of Standards, at various times during the period July, 1957 to January, 1965.  
National Science Foundation Postdoctoral Fellow, at the Atomic Energy Research Establishment, Harwell, England from October, 1962 to August, 1963  
Assistant Professor, Division of Engineering and Applied Physics, Harvard University, August, 1963 to June, 1967  
Visiting Assistant Professor, Department of Electrical Engineering and Center for Materials Research, Stanford University, February, 1966 to June, 1966  
Associate Professor, Departments of Materials Science and Applied Physics, Stanford University, July, 1967 to August, 1972  
University Fellow, Stanford University, September, 1971 to May, 1972  
Professor, Departments of Materials Science and Applied Physics, Stanford University, September, 1972 to present (on leave, November, 1997 to January, 2001)  
Vice Provost for Faculty Affairs, Stanford University, May, 1972 to August, 1977  
Director, Stanford Synchrotron Radiation Laboratory, January, 1978 to November, 1997  
Associate Director for SSRL, Stanford Linear Accelerator Center, October, 1992 to November, 1997  
Associate Director for Science, Office of Science and Technology Policy, November, 1997 to 2001, (on leave from Stanford University)  
Director, Geballe Laboratory for Advanced Materials, Stanford University, September 1, 2002- August 31, 2003  
Vice Provost and Dean of Research and Graduate Policy, Stanford University, September 1, 2003 to August 31, 2006)  
Acting Vice Provost for Graduate Education, Stanford University, September 1, 2006 to December 31, 2006  
Special Assistant to the President for Federal Research Policy, Stanford University, September 1, 2006 to present  
Director, Wallenberg Research Link, Stanford University, January 1, 2008 to present  
President, American Physical Society, 2008

## Consulting

Energy Conversion Devices, Inc., its affiliates and law firms employed by it. Autumn, 1965-  
Nov., 1997 and Jan., 2001 to 2007.

## Membership in Professional Associations

Fellow, American Physical Society (President in 2008)  
Fellow, American Association for the Advancement of Science  
Fellow, California Council on Science and Technology  
American Crystallographic Association  
Materials Research Society  
Sigma Xi

## Honors and Awards

Sidhu Award of the Pittsburgh Diffraction Society, 1968  
The Distinguished Alumnus Citation of Polytechnic Institute of New York Alumni Association,  
1977  
Rector's Lecture and Medal, University of Helsinki, 1994  
Ph.D. (Honorary), Polytechnic University, 1998  
Distinguished Contribution to Research Administration Award, Society of Research  
Administrators, 2000  
Distinguished Service Award, Department of Energy, 2005  
Ph.D. (Honorary), Lund University, 2006  
Fellow, California Council of Science and Technology, 2008

## Miscellaneous Professional Activities and Public Service

Cochairman of the 1968 Gordon Conference on the Chemistry and Physics of Solids  
Guest Editor of the Special Issue on Amorphous Semiconducting Devices of the IEEE  
Transactions on Electron Devices  
Editor, Volume 10 of the Transactions of the American Crystallographic Association  
(Atomic arrangements and their determination in amorphous materials)  
Member, Ad Hoc National Academy of Sciences-National Research Council Committee on the  
Fundamentals of Massive Glass as a Structural Material  
Member, Materials Research Council of the Advanced Research Projects Agency - mid '70s  
Member, National Research Council Subcommittee to Assess the Current (1983) Status of  
Facilities Dedicated to the Production of Synchrotron Radiation  
Board of Directors, Institute for Amorphous Studies, 1982-present  
Advisory Council to the President, Cystic Fibrosis Foundation, 1979-1981  
Vice Chairman, Board of Trustees, Cystic Fibrosis Foundation, 1983-1988  
U. S. National Committee for Crystallography, 1983-1988  
Science Advisory Committee, European Synchrotron Radiation Facility, 1989-90, 1993-1996  
General Councilor, American Physical Society, 1993-1996  
Committee on Applications of Physics, American Physical Society, 1994-1996  
Chair, Audit Committee, American Physical Society, 1996  
Electorate Nominating Committee, American Association for the Advancement of Science  
Section on Physics (B), 1994-1996. Chair in 1996  
International Advisory Board, Sixth International Conference on the Structure of Non-crystalline  
Materials, Prague, 1994  
Chair, Panel on Synchrotron Radiation of The Israel Academy of Sciences and Humanities, 1994  
International Program Committee, Ninth International Conference on Liquid and Amorphous  
Metals, Chicago, 1995  
International Advisory Board, Tenth International Conference on Small-Angle Scattering,  
Campinas, 1996  
Member, National Research Council Committee on Condensed Matter and Materials Physics,  
1996-1997  
Member, National Academy of Engineering Action Forum on Diversity in the Engineering  
Workforce, 2000-2002  
Member, National Research Council Committee on the Physics of the Universe, 2001-2005  
Electorate Nominating Committee, American Association for the Advancement of Science  
Section on Physics (B), 2001-2002  
Member, National Research Council Board on Chemical Science and Technology, 2001-2003  
Member and Chair (2004), American Physical Society Panel on Public Affairs, 2002-2006  
Member, National Research Council Committee on Small Facilities, 2003-2005  
Member and Steering Committee, National Research Council Committee on Science, Technology  
and Law, 2004-present  
Member, Bay Area Science and Innovation Council Board, 2004-present  
Voting Alternate, Bay Area Economic Forum Board of Trustee, 2004-present  
Member, California Council on Science and Technology Board, 2004-2007  
Member, National Research Council Committee on Science and Security, 2005-2007  
Member, Scientific Board of the Toulouse Canceropole, 2005-2006  
Chair, Executive Advisory Committee, Large Synoptic Space Telescope, 2005-present  
Member, Science Advisory Board, Faculty of Science, Lund University, 2006-present

### Miscellaneous Stanford University Service

Committee on Undergraduate Financial Aids - Member, 1967-1968, Chairman, 1968-1969  
Chair, Academic Council Committee on Undergraduate Admissions and Financial Aids, 1969-1972  
Humanities and Science Committee on University Governance - Member, 1968-1969  
Chair, Materials Science Department Graduate Admissions Committee, 1969-1970  
School of Engineering Computer Committee - Member, 1969-1970  
School of Engineering Undergraduate Council - Member, 1970-1971  
Faculty Affirmative Action Officer, 1971-1977  
School of Engineering, Affirmative Action Committee, 1973-1974 and 1975-1976  
Advisory Board, Center for Research on Women - Member, 1978-1979  
Chair, Committee on Faculty Affirmative Action, 1980-1983  
Chair, Committee on Undergraduate Admissions and Financial Aids, 1984-1985  
Task Force on Materials Research, Member, 1986  
Chair, Search Committee for Director of Center for Materials Research, 1986-1987  
Chair, University Committee on Research, 1988-1991  
Chair, Materials Research Coordinating Committee, 1992-1993  
Advisory Committee on Indirect Costs, 1990-1998  
Chair, Academic Senate Planning and Policy Board, 1992-1995  
Chair, Materials Council, 2001-2003  
Member, Advisory Board, 2001-2003  
Chair, Materials Research Council, 2001-2003  
Member, Commission on Graduate Education, 2004-2005  
Member, Wallenberg Global Learning Network Board, 2004-present