

ALBERT H. TEICH

Research Professor of Science, Technology & International Affairs
Institute for International Science & Technology Policy
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PROFESSIONAL EXPERIENCE:

- 2012–present **Research Professor of Science, Technology & International Affairs
George Washington University**
Currently developing a study of the impact of recent evidence-based science policy research on the practice of science policy. This will be a follow-up of an NSF-funded study of the development of evidence-based science policy in the U.S. from the end of World War II to the present. The main product was published in 2018 as a monograph in the series, *Annals of Science and Technology Policy*. Other interests include U.S. visa policy for scientists and engineers and international scientific cooperation.
- 2011 **Senior Policy Advisor (Half-time)
American Association for the Advancement of Science**
Adviser on science policy issues to the CEO. Continuing responsibility for the AAAS Forum on Science and Technology Policy; the *AAAS Policy Alert*, a weekly newsletter distributed to the AAAS membership; the AAAS annual Leadership Seminar on S&T Policy; intersociety efforts on visa policies for foreign scientists, engineers, and students; and a variety of other activities.
- 1990 - 2010 **Director, Science and Policy Programs
American Association for the Advancement of Science**
Head of science policy for world's largest multidisciplinary scientific association, reporting directly to the CEO. Responsible for conceptualizing, developing, and administering programs in science, technology and public policy; policy fellowships; science ethics; law and science; science and human rights; and research competitiveness. Annual budget of approximately \$15 million (85% from external sponsors), staff of 40. AAAS spokesman on science policy issues. Member of AAAS Senior Management Group. Responsible for supervision of AAAS Archives.
- 1984 - 1989 **Head, Office of Public Sector Programs
American Association for the Advancement of Science**
Responsible for intellectual and administrative leadership of the AAAS program office for science, technology and public policy and public understanding of science and technology. Office merged with others to form Science & Policy Programs in 1990.

- 1980 - 1984 **Manager, Science Policy Studies
American Association for the Advancement of Science**
Directed the AAAS R&D Budget and Policy Project; the AAAS contribution to OSTP's Five Year Outlook for Science and Technology; seminar series on biotechnology; served as staff officer for AAAS-American Bar Association National Conference of Lawyers and Scientists and for AAAS Committee on Science, Engineering and Public Policy.
- 1976 - 1980 **Deputy Director, Graduate Program in Science, Technology, and Public Policy and Associate Professor of Public Affairs
George Washington University**
- 1975 - 1976 **Visiting Research Professor, Graduate School of Public Affairs
State University of New York at Albany**
- 1974 - 1975 **Director of Research, Institute for Public Policy Alternatives
State University of New York Central Administration**
- 1973 - 1974 **Coordinator of Research
State University of New York at Binghamton**
- 1969 - 1973 **Fellow (initially) to Director of Science and Technology Studies
Policy Institute, Syracuse University Research Corporation**
- 1964 - 1969 **Teaching and Research Assistant, Center for International Studies
Massachusetts Institute of Technology**

**BOARD AND COMMITTEE
ACTIVITIES:**

Member, Science Advisory Committee, National Council on Science and the Environment (2019 – present)

Member, Advisory Committee, California Council on Science & Technology (CCST) Policy Fellowship Program (2010 – present).

Chair, Board of Governors, U.S.-Israel Binational Science Foundation (2015); Board member (2001 – 2018).

Member, Program Committee, Euroscience Open Forum, 2016 (Manchester, England).

Member, National Academy of Sciences, Committee to Evaluate the Experimental Program to Stimulate Competitive Research (EPSCoR) and Similar Federal Programs (2012 – 2014).

Member, Program Committee, Euroscience Open Forum, 2014 (Copenhagen, Denmark).

Member, Selection Committee, Jefferson Fellows Program, National Academy of Sciences (2014).

Member, Board of Visitors, Center for Nanoscience in Society, Arizona State University (2009 – 2016).

Member, Technical Advisory Committee, Maine Space Grant Consortium (2001 – present).

Member, External Review Committee for Proposed Science Policy Institute, George Washington University (2011).

Chair, Review Committee for the Center for International Science & Technology Policy, George Washington University (2010).

Member, Program Committee, Euroscience Open Forum, 2010 (Turin, Italy) and 2012 (Dublin, Ireland).

Member, Council of Advisors on Research and Innovation Strategy, National University of Singapore (2008 – 2012).

President, Washington Academy of Sciences (2008 - 09).

Member, Committee on Alternative Models for the Federal Funding of Science, American Academy of Arts & Sciences (2007-08).

Member, Research & Technology Coordinating Committee, Transportation Research Board, National Research Council (2003- 2009).

Member, External Research Advisory Board, University of California, Davis (2003 – 2009).

Member, Norwegian Research & Technology Forum in North America (2002 – 2012).

Founding co-director, Center for Innovation Policy Research and Education for Central and Eastern Europe, Budapest, Hungary (1999-2005).

Chairman, Board of Advisors, School of Public Policy, Georgia Institute of Technology (2000-2005); member (1995-2005).

Member, Board of Visitors, Center for Science, Policy and Outcomes, Columbia University (2001- 2003).

Member, Senior Action Group on R&D Investment Strategies, Center for Strategic and International Studies (1995-1996).

Member, Advisory Panel to the Australian Centre for Innovation and Industrial Competitiveness, University of Sydney, Australia (1992-98).

Member, Advisory Council, University of Maryland University College, School of Management and Technology (1994-2000).

Chairman, Visiting Committee, Department of Science and Technology Studies, Rensselaer Polytechnic Institute (1987-88).

Chairman, Advisory Committee to the Division of Science Resources Studies, National Science Foundation (1988-90)

Co-founder and President, Technoscience Associates, Inc. (consulting firm, 1977-82)

Lecturer to Brookings Institution conferences for federal and corporate executives (1985 - 2005)

Lecturer to Office of Personnel Management, Eastern and Western Management Development Centers (1990 - 2007).

Invited lecturer to organizations in U.S., Japan, New Zealand, Azerbaijan, Australia, South Africa, France, United Kingdom, Russia, China, Norway, Hungary, Switzerland, Romania, Iceland, Korea, other nations in Eastern and Western Europe (1972 - present).

Invited witness on many occasions for testimony before the Committee on Science and Technology, U.S. House of Representatives; Committee on Commerce, Science and Transportation, U.S. Senate; and Joint Economic Committee, U.S. Congress.

Consultant to: National Science Foundation; National Science Board; Organization for Economic Cooperation and Development; Shell Companies Foundation; Hertz Foundation; Pharmaceutical Manufacturers Association Foundation; National Academy of Sciences; Syracuse Research Corporation; Michigan Technological University; Oak Ridge National Laboratory; U. S. House of Representatives; Office of

Technology Assessment; General Accounting Office; Solar Energy Research Institute; many other organizations

Editorial Board, *Review of Policy Research* (2006-present); *Renewable Resources Journal* (2005 – 2011); *Science Communication* (1991-2010); *Science, Technology and Human Values* (1994-2018); *Prometheus* (1998 –2009).

MEMBERSHIPS: American Association for the Advancement of Science (1969 – present)
Chairman, Section X (1988-89)

Euroscience (2004 – present)
Member, Program Committees for 2010, 2012, 2014, and 2016 meetings

Society for Social Studies of Science
Council Member, (1979-81); Program Chairman (1979)
Program Committee Member (1989)

Washington Academy of Science (2004 – present)
President (2008-09)

National Press Club (2001 – present)
Chair, Photography Committee (2015 – present)

HONORS AND AWARDS:

Life Member, American Association for the Advancement of Science (2018-)

Festschrift held on the occasion of my retirement from AAAS;
Published as “The State of Science Policy,” (AAAS, 2013)

Vivian Award for Volunteer Activities
National Press Club (2012, 2013, 2014, 2015, 2016, 2017, 2018)

Award for Scientific Achievement in Science Policy,
Washington Academy of Sciences (2004)

Honorary member, Washington Science Diplomats Club (2004 – present)

Who’s Who in America (1989)

Who’s Who in the World (1992)

EDUCATION: Ph.D. (Political Science), MIT, 1969
B.S. (Physics), MIT, 1964

PERSONAL: Citizen of United States
Married to Jill H. Pace; three children; four grandchildren
Interests include photography, swimming, travel.

SELECTED PUBLICATIONS:

Albert H. Teich, *In Search of Evidence-Based Science Policy: From the Endless Frontier to SciSIP*, Annals of Science & Technology Policy, Vol. 2, No. 2 (Boston & Delft: Now Publishers, 2018)

Albert Teich, “The Travel Ban Casualty the White House is Ignoring,” *The Washington Post* (Op-ed), March 10, 2017.

Albert H. Teich, “The International-Student Revolving Door,” *Slate*. Published online Oct. 21, 2014, 9:39 a.m. Adapted from *Issues in Science and Technology*.
http://www.slate.com/articles/technology/future_tense/2014/10/immigration_and_nationality_act_214_b_reform_students_shouldn_t_have_to.html

Albert H. Teich, “Streamlining Our Visa and Immigration Systems for Scientists and Engineers” *Issues in Science and Technology* (published by the National Academy of Sciences), Volume XXXI, Number 1 (Fall 2014), pp. 55-64.

Albert H. Teich, “Rethinking US Visa Policy to Compete Globally for Talent,” *APS News* (American Physical Society), Vol. 23, No. 3 (March 2014).
<http://www.aps.org/publications/apsnews/201403/international.cfm>

Albert H. Teich, “Making Policy Research Relevant to Policy,” Commissioned Paper for a workshop of the National Academy of Sciences, Committee on National Statistics, linked from http://sites.nationalacademies.org/cs/groups/dbassesite/documents/webpage/dbasse_080477.pdf

Albert H. Teich, “Update: Science and Society,” *World Book Science Year 2014*

Albert H. Teich, ed., *Technology and the Future, 12th edition* (Belmont, CA: Cengage Learning, January 2012). (In print continuously for 40 years, this was the world’s best-selling college text on technology and society.)

Albert H. Teich, “Update: Science and Society,” *World Book Science Year 2013, 2012, etc.* (Annually from 1995 through 2015)

Albert H. Teich, "Green Technology Innovation in the United States: The Obama Administration's Ambitious Program and its Prospects," *Science, Technology and Innovation Policy Review* (Spring 2010), pp. 23-42.

Albert H. Teich, "Can Administrative Measures Resolve a Political Conflict?" *Public Administration Review* (January-February 2008), pp. 19-22

Al Teich and Wendy D. White, "The High Cost of Coming to America" (editorial), *Science* (Vol. 312), 5 May 2006, p. 657.

Albert H. Teich, "Impacts of Post-September 11 Security Policies on U.S. Science," in Andrew D. James, ed., *Science and Technology Policies for the Anti-Terrorism Era* (Amsterdam: IOS Press, 2006).

Albert H. Teich, "Tools for Furthering the Public Understanding of Science in the USA," in Peter G. Kirchschräger, Andréa Belliger, and David G. Krieger, *Forschung am Menschen* (Zurich: Seismo Verlag, 2005).

Albert H. Teich, "Don't Let Science Become another Victim of 9-11," *The Scientist* (Vol. 18, Issue 10) May 24, 2004 (op-ed).

Albert H. Teich, "Technology and Government," in Sal Restivo, ed., *Encyclopedia of Science, Technology, and Society* (Oxford University Press, 2005).

Albert H. Teich and Stephen J. Lita, "Expanding the Role of the Congressional Science and Engineering Fellowship Program," in M. Granger Morgan and Jon M. Peha, *Science and Technology Advice for Congress* (Washington, DC: RFF Press, 2003), pp. 134-144.

Albert H. Teich, "Unwiederholbare Experimente," *Süddeutsche Zeitung* (May 5, 2003), p. 15. [Op-ed on the impacts of post-9-11 security policies on science in the U.S.]

Albert H. Teich, "AAAS and Public Policy: Speaking Softly and Carrying a Medium-Sized Stick," *Technology in Society* (Vol. 24), 2002, pp. 167-178.

Albert H. Teich, "STS from a Policy Perspective," in Stephen H. Cutcliffe and Carl Mitcham, eds., *Visions of STS: Counterpoints in Science, Technology, and Society Studies* (Albany: State University of New York Press, 2001).

Albert H. Teich, Stephen D. Nelson, Stephen J. Lita, and Amanda E. Hunt, eds., *AAAS Science and Technology Yearbook, 2003* (Washington, DC: AAAS, 2003). (And prior editions from 1991.)

Albert H. Teich, "Research Competitiveness and National Science Policy," in J. Scott Hauger and Celia McEnaney, eds., *Strategies for Competitiveness in Academic Research* (Washington, DC: AAAS, 2000).

Albert H. Teich and Deborah C. Runkle, "The US experience with court-appointed scientific experts," in The Royal Society, *Science and Technology in the Eye of the Law* (London: The Royal Society, 2000).

Václav Pačes, Ladislav Pivec, and Albert H. Teich, *Science Evaluation and Its Management* (Amsterdam: IOS Press, 1999).

Al Teich and Mark S. Frankel, guest editors, special issue on "Anonymous Communication on the Internet" *The Information Society* (Vol. 15, No. 2) 1999. Senior author of lead article and co-author of second article.

Albert H. Teich, "Endless Frontier or Just a Mirage? The Quest for a National Science Policy," *Science Communication*, Vol. 20, No. 1 (September 1998), pp. 124-135.

Albert H. Teich, "The Outlook for Federal Support of University Research," chapter 4 in Roger G. Noll, ed., *Challenges to Research Universities* (Washington, DC: The Brookings Institution, 1998).

Al Teich, "Science Must Not Be Lulled by Pledges of Aid," *San Francisco Chronicle* (June 10, 1998), p. A19. (op-ed)

Albert H. Teich, "The Political Context of Priority-Setting in the United States," chapter 1 in Mark S. Frankel and Jane Cave, eds., *Evaluating Science and Scientists: An East-West Dialogue on Research Evaluation in Post-Communist Europe* (Budapest: Central European University Press, 1997).

Albert H. Teich, "US Science and the 'Republican Revolution,'" in *Science, Technology and Innovation*, Volume 9, No. 5 (October 1996), pp. 27-34.

Albert H. Teich, ed., *Competitiveness in Academic Research* (Washington, DC: AAAS, 1996)

Albert H. Teich, "Support for Basic Research in the USA: The End of the Frontier?" in *Science and Technology Policy: An International Perspective* (London: The British Library, 1995), pp. 14-16.

Albert H. Teich, "Cost, Funding and Budget Issues in Megascience Projects: The Case of the United States," chapter 5 in *Megascience Policy Issues* (Paris: Organization for Economic Cooperation and Development, 1995).

Peter Likins and Albert H. Teich, "Indirect Costs and the Government-University Partnership," chapter 9 in *The Fragile Contract: University Science and the Federal Government* (Cambridge, MA: MIT Press, 1994).

Mark S. Frankel and Albert H. Teich, eds., *The Genetic Frontier: Ethics, Law, and Policy* (Washington, DC: AAAS Press, 1994).

Albert H. Teich, "Trends and Issues in U.S. Science and Technology Policy," *Zeitschrift für Wissenschaftsforschung*, Band 7/8 (1992-93), pp. 175-185.

Albert H. Teich, "Integrity in Research: The Scientific Community View," *Knowledge: Creation, Diffusion, Utilization*, Vol 14, No. 2 (December 1992), pp. 185-192.

W. Henry Lambright, Albert H. Teich, and Mark J. O'Gorman, "The Turbulent State of State S&T Programs in the 1990s," in W. Henry Lambright and Dianne Rahm, *Technology and U.S. Competitiveness* (Westport, CT: Greenwood Press, 1992).

Albert H. Teich, "Discussions of Setting Science Priorities Are Filled With Misunderstandings," *The Chronicle of Higher Education* (January 22, 1992), p. A52 (op-ed).

Albert H. Teich and Judith L. Teich, *Manpower Problems: Challenging American Leadership in Biomedical Science and Technology* (Washington, DC: Pharmaceutical Manufacturers Association Foundation, 1991).

Albert H. Teich, "U.S. Science Policy in the 1990s: New Institutional Arrangements, Procedures, and Legitimations," in Susan E. Cozzens, et al., *The Research System in Transition* (Boston: Kluwer Academic Publishers, 1990).

Michael L. Telson and Albert H. Teich, "Science Advice to the Congress: The Congressional Science and Engineering Fellows Program," in William T. Golden, ed., *Science and Technology Advice to the President, Congress, and the Judiciary* (Elmsford, NY: Pergamon, 1988), pp. 447-452.

Albert H. Teich, "Budgeting for Basic Research: Executive and Congressional Roles," in Kenneth P. Ruscio, ed., *Teaching Political Science: A Symposium on Science and Technology*, Vol. 14, No. 4 (Summer 1987), pp. 163-170.

Albert H. Teich and Jill H. Pace, *Science and Technology in the USA* (London: Longman Group Ltd., 1986), with contributions by several others.

Albert H. Teich, "Federal Support of Applied Research: A Review of the United States Experience," in National Academy of Sciences, *The Federal Role in Research and Development* (Washington, DC: National Academy Press, 1985).

Albert H. Teich and Ray Thornton, eds., *Science, Technology and the Issues of the Eighties* (Boulder, CO: Westview Press, 1982).

Albert H. Teich, ed., *Scientists and Public Affairs* (Cambridge, MA: MIT Press, 1974). Editor and chapter author.