

PETER F. COWHEY

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CURRICULUM VITAE

EDUCATION

B.S.F.S. Georgetown University, 1970 (Foreign Service)
M.A. University of California, Berkeley, 1971 (Political Science)
Ph.D. University of California, Berkeley, 1977 (Political Science)

EMPLOYMENT

Current Positions

2017- Special Advisor to the Chancellor - University of California, San Diego
2012- Chancellor's representative to Association of Pacific Research Universities, University of California, San Diego
2003- Qualcomm Endowed Chair in Communications and Technology Policy, University of California, San Diego
2002- Dean, School of Global Policy and Strategy (GPS, formerly the Graduate School of International Relations and Pacific Studies), University of California, San Diego
1989- Professor of Political Science, GPS, University of California, San Diego

Recent Positions

2016-2017 Interim Executive Vice Chancellor - Academic Affairs, University of California, San Diego
2009-2010 Senior Counselor to the U.S. Trade Representative, Office of the U.S. Trade Representative
2007-2010 Associate Vice Chancellor – International Affairs, University of California, San Diego
2000-2002 Chair of University of California, San Diego Committees to create Rady School of Management, design and win approval of the MBA program, recruit the founding Dean and plan the school buildings
1999-2006 Director, Institute on Global Conflict and Cooperation, University of California
1997 Chief, International Bureau, Federal Communications Commission (resigned to return to University of California, San Diego)
1994-1997 Senior Counselor for Economic and Competition Policy of the International Bureau (while on leave from University of California, San Diego) and Branch Chief for Multilateral and Development Affairs, International Bureau, Federal Communications Commission

Prior Positions

1987-1988 Associate Professor, Graduate School of International Relations and Pacific Studies, University of California, San Diego
1985-1986 Senior Consultant, International Market Planning, AT&T International
1983-1989 Associate Professor of Political Science, University of California, San Diego

1978-1983 Assistant Professor of Political Science, University of California, San Diego
 1976-1977 Acting Assistant Professor of Political Science, University of California, San Diego
 1975-1976 Acting Instructor of Political Science, University of California, Berkeley

Selected Boards and Memberships

2018 Board of Directors, La Jolla Playhouse
 2016- Board of Directors, Cecil H. and Ida M. Green Foundation for Earth Sciences
 2016- Charter Member, Academic Advisory Council, Asia Pacific Institute for the Digital Economy (APIDE)
 2016- Member, Management Advisory Committee, Life Science Innovation Network Japan, Inc. (LINK-J)
 2015- Member, Global Competitiveness Council of San Diego
 2012 - Executive Vice Chair, Executive Board, Fudan-UC Center on Contemporary China
 2008- Member, Pacific Council on International Affairs
 2005- Chair (2017-), Member and then Vice Chair (2014-2017), Board of Directors, Grameen Foundation
 2001- Member, Board of Directors, Institute of the Americas
 1993- Member, Council on Foreign Relations
 2011-2016 Chair of U.S. experts group, U.S.-China Innovation Dialogue, a part of the Strategic and Economic Dialogue of the Governments of China and the United States
 2007-2016 Vice Chair, California Council on Science and Technology
 2010-2014 Chairman, Board of Directors, CONNECT Innovation Institute
 2010-2013, 2001-2006 Member, Board of Directors, San Diego World Trade Center
 2010-2012 Member of the Board of Trustees and Co-chair, Strategic Planning Committee, The Bishop's School, San Diego
 2008-2009 Co-Chair, President-Elect Obama's transition team for trade policy
 2006-2009 Member, Board of Directors, eMobile
 1994-2004 Chairman, Board of Directors, Digital Partners
 2003-2003 Member, International Advisory Board, Silicon Wave
 1998-2002 Member, International Advisory Board, 555-1212.com

PUBLICATIONS

I. Books

Cowhey, Peter F. and Aronson, Jonathan D. *Digital DNA: Disruption and the Challenges for Global Governance*. New York: NY: Oxford University Press, 2017.

Cowhey, Peter F. and Aronson, Jonathan D. with Abelson, Donald. *Transforming the Global Information and Communications Market: The Political Economy of Innovation*. Cambridge and London: MIT Press, 2009.

Cowhey, Peter F. and McCubbins, Mathew D., eds. *Structure and Policy in Japan and the United States: An Institutionalist Approach*. Cambridge: Cambridge University Press, 1995; reprint, Cambridge: Cambridge University

Press, 1997.

Cowhey, Peter F. and Aronson, Jonathan D. *Managing the World's Economy: The Consequences of Corporate Alliances*. New York: Council on Foreign Relations Press, 1993.

Cowhey, Peter F., Aronson, Jonathan D., and Székely, Gabriel, eds. *Changing Networks: Mexico's Telecommunications Options*. Center for US-Mexican Studies, UC San Diego, 1989.

Cowhey, Peter F. and Aronson, Jonathan D. *When Countries Talk: Global Telecommunication for the 1990s*. Cambridge, MA: Ballinger, 1988.

Cowhey, Peter F. *The Problems of Plenty: Energy Policy and International Politics*. Berkley: University of California Press, 1985.

Aronson, Jonathan D. and **Cowhey, Peter F.**, eds. *Profit and the Pursuit of Energy: Markets and Regulation*. Boulder: Westview Press, 1983.

II. Articles & Chapters

Breznitz, Dan and **Cowhey, Peter F.** "Reviving America's Forgotten Innovation System: Fostering U.S. Growth through Incremental Product and Process Innovation." In Adler, David E., and Laurence B. Siegel, editors, *Restoring Economic Dynamism*, Charlottesville, VA: CFA Institute Research Foundation. 2018.

Cowhey, Peter F. and Aronson, Jonathan D. "Digital Trade and Regulation in an Age of Disruption." *Journal of International Law & Foreign Relations*, forthcoming

Friedman, R., et al and **Cowhey, Peter F.** "Rules of the Road for Insect Gene Drive Research and Testing." *Nature Biotechnology*, August 2017.

Funk, Patrick, Lan, Xue, Liang, Zheng, Gallagher, Kelly. S., **Cowhey, Peter F.**, and Fuchs, Erica R.H. "Why China Needs Data Sharing to Address Its Air Quality Challenge." *National Science Review* nwx059 (2017). doi: 10.1093/nsr/nwx059

Breznitz, Dan and **Cowhey, Peter F.** "America's Two Systems of Innovation: Innovation for Production in Fostering U.S. Growth," *Innovations: Technology, Governance & Globalization* 7, no. 3 (2012): 127-154.

Cowhey, Peter F. and Aronson, Jonathan D. "The Information and Communication Revolution and International Relations," in *The International Studies Encyclopedia*, edited by Robert A. Denemark and Renee Marlin-Bennet. Hoboken: Wiley-Blackwell, 2010.

Cowhey, Peter F. and Mueller, Milton "Delegation, Networks, and Internet Governance" in *Network Politics: Agency, Power, and Governance*, edited by Miles Kahler. Ithaca, NY: Cornell University Press, 2009.

Cowhey, Peter F. Aronson, Jonathan D., and Richards, John "Shaping the Architecture of the US Information and Communication Technology Architecture: A Political Economic Analysis" *Review of Policy Research* 26, no. 1 (2009): 105-125.

Cowhey, Peter F., Aronson, Jonathan D., and Richards, John E. "The Peculiar Evolution of 3G Wireless Networks: Institutional Logic, Politics, and Property Rights" in *Governing Global Electronic Networks*, edited by William J. Drake and Ernst J. Wilson. Cambridge and London: MIT Press, 2008.

Cowhey, Peter F. and Aronson, Jonathan D. "Trade in Services Telecommunications" in *A Handbooks of International Trade in Services* edited by Aaditya Mattoo, Robert M. Stern, and Gianni Zanini, 413-460. Oxford:

Oxford University Press, 2008.

Cowhey, Peter F., Aronson, Jonathan D., and Richards, John E. "The Peculiar Evolution of 3G Wireless Networks: Institutional Logic, Politics, and Property Rights" in *How Revolutionary was the Revolution? National Responses, Market Transitions, and Global Technology in the Digital Era*, edited by John Zysman and Abraham Newman, 303-335. Palo Alto, CA: Stanford University Press, 2006.

Cowhey, Peter F. and Richards, John. "Building Global Service Markets: Economic Structure and State Capacity" in *The State After Statism: New State Activities in the Age of Liberalization*, edited by Jonah D. Levy. Cambridge, MA: Harvard University Press, 2006.

Cowhey, Peter F. and Klimenko, Mikhail M. "The New International Trade Regime in Telecommunications Services and Network Modernization in Transition Economies." *Emerging Markets Finance and Trade* 40 no. 1 (2014): 59-94.

Cowhey, Peter F. "Accounting Rates, Cross-Border Services and the Next WTO Round on Basic Telecommunications Services" in *The WTO and Global Convergence in Telecommunications and Audio-Visual Services*, edited by Damien Geradin and David Luff, 51-82. Cambridge, UK: Cambridge University Press, 2004.

Cowhey, Peter F. and Richards, John E. "Deregulating and Liberalizing the North American Telecommunications Market: Explaining the U.S. Approach" in *Trade, Investment and Competition Policies in the Global Economy: The Case of the International Telecommunications Regime*, edited by Paolo Guerrieri and Hans-Eckart Scharrer, 85-118. Baden-Baden: Nomos, 2002. Also published as Hamburgisches Welt- Wirtschafts-Archiv (HWWA) Discussion Paper No. 164.

Bar, Francois, Cohen, Stephen S., **Cowhey, Peter F.**, DeLong, J.B., Kleeman, Michael, and Zysman, John "The Next Generation Internet: Promoting Innovation and User – Experimentation," in *Tracking a Transformation: E-Commerce and the Terms of Competition in Industries*, edited by Stephen S. Cohen, John Zysman, and **Peter Cowhey**, 435-474. Washington, DC: Brookings Institution Press, 2001.

Cowhey, Peter F. and Klimenko, Mikhail M. "Implementing Telecommunications Liberalization in the Developing Countries after the WTO Agreement on Basic Telecommunications Services" in *Services in the International Economy*, edited by Robert M. Stern, 349-368. Ann Arbor: University of Michigan Press, 2001.

Cowhey, Peter F. and Klimenko, Mikhail M. "The WTO Negotiations and Telecommunications Reform," Policy research working paper 2601, The World Bank Development Research Group, 2001.

Cowhey, Peter F. and Klimenko, Mikhail M. "Telecommunications Reform in Developing Countries after the WTO Agreement on Basic Telecommunications Services," *Journal of International Development* 12, no. 2 (2000) 265-281.

Bar, Francois, Cohen, Stephen, **Cowhey, Peter F.**, De Long, Brad, Kleeman, Michael, and Zysman, John "Access and Innovation Policy for the Third-Generation Internet," *Telecommunications Policy* 24 (2000) 189-518.

Cowhey, Peter F. and Richards, John "Dialing for Dollars: The Revolution in Communications Markets," in *Coping with Globalization*, edited by Aseem Prakash and Jeffrey A. Hart. London and New York: Routledge, 2000.

Cowhey, Peter F. "FCC Benchmarks and the Reform of the International Telecommunications Market," *Telecommunications Policy* 22 no. 11 (1998) 899-911.

Cowhey, Peter F. "The Future Trade and Investment Order of the Pacific Rim: Asean, Nafta, and APEC in the Context of Japanese and U.S. Diplomacy," in *U.S.-Japan Relations and International Institutions after the Cold War*, edited by P. Gourevitch, T. Inoguchi, and C. Parrington, 183-226. La Jolla, CA: IRPS Publications, 1995. Reprinted: Tokyo: NTT Publishing Co, 1997.

Auerswald, David and **Cowhey, Peter F.** "Ballot-box Diplomacy: The War Powers Resolution and the Use of Force," *International Studies Quarterly*. 41 no. 3 (1997) 505-528.

Cowhey, Peter F. and McKeown, M.M. "The Promise of a New World Information Order" in *The Knowledge Economy: The Nature of Information in the 21st Century (1993-94 Annual Review of the Institute on Information Studies)* Falls Church, VA: Northern Telecom Inc, Aspen Institute, 1993. Reprinted: Washington, DC: US Information Agency, 1995.

Cowhey, Peter F. "Building the Global Information Highway: Toll Booths, Construction Contracts, and Rules of the Road," in *The New Information Infrastructure: Strategies for US Policy*, edited by William J. Drake, 175-204. New York, NY: Twentieth Century Fund Press, 1995.

Cowhey, Peter F. and McCubbins, Matthew D. Introduction and Conclusion to *Structure and Policy in Japan and the United States: An Intuitionalist Approach*, edited by **Peter F. Cowhey** and Matthew D. McCubbins. Cambridge, UK: Cambridge University Press, 1995.

Cowhey, Peter F. "The Politics of U.S. and Japanese Security Commitments," in *Structure and Policy in Japan and the United States: An Intuitionalist Approach*, edited by **Peter F. Cowhey** and Matthew D. McCubbins, 203-225. Cambridge, UK: Cambridge University Press, 1995.

Aronson, Jonathan D. and **Cowhey, Peter F.** "Prospects for Post-Uruguay Round Trade Management," *Transnational Law and Contemporary Problems* 4 no. 1 (1994) 48-67.

Cowhey, Peter F. "Public and Private Cooperation on the International Informatics Regime," in *Telecommunications in the Pacific Basin: An Evolutionary Approach*, edited by Eli Noam, Seisuke Komatsuzaki, and Douglas A. Conn. New York, NY: Oxford University Press, 1994.

Cowhey, Peter F. and Aronson, Jonathan D. "Corporate Alliances and Telecom Services" *Transnational Data and Communications Report*, 19-25. Washington, DC: Transnational Data Reporting Service Inc., 1993.

Cowhey, Peter F. and Aronson, Jonathan D. "A New Trade Order" *Foreign Affairs* 71 no. 1 (1993) 183-195.

Cowhey, Peter F. "Elect Locally - Order Globally: Multilateral Cooperation and Domestic Politics." In *Multilateralism Matters: The Theory and Praxis of an Institutional Form*, edited by John Gerard Ruggie, 157-200. New York: Columbia University Press, 1993.

Cowhey, Peter F. "Domestic Institutions and the Credibility of International Commitments: The Cases of Japan and the United States." *International Organization* 47 no. 2 (1993) 299-326. Reprinted: In *Theory and Structure in International Political Economy: An International Organization Reader*, edited by Charles Lipson and Benjamin J. Cohen. Cambridge, MA and London, England: MIT Press, 1999.

Cowhey, Peter F. "Telecommunications: Market Access Regimes in Services and Equipment," in *New Challenges to International Cooperation: Adjustment of Firms, Policies, and Organizations to Global Competition*, edited by Peter Gourevitch and Paolo Guerrieri. San Diego: University of California San Diego, 1993.

Cowhey, Peter F. "The Agenda of the Leading Nations for the World Economy: A Theory of International Economic Regimes," in *Technological Competition and Interdependence: The Search for Policy in the United States, West Germany, and Japan*, edited by Gunter Heiduk and Kozo Yamamura, 107-150. Seattle, WA: University of Washington Press, 1991.

Cowhey, Peter F. "The Future of the Telecommunications Marketplace" In *The Telecommunications Revolution: Past, Present and Future*, edited by Harvey Sapolsky, Rhonda J. Crane, W. Russell Neuman, and Eli M. Noam, 149-154, Abingdon, UK: Routledge, 1991.

Cowhey, Peter F. and Aronson, Jonathan D. "The ITU in Transition," *Telecommunications Policy* 15 no. 4 (1991) 298-310.

Cowhey, Peter F. "The International Telecommunications Regime: The Political Roots of High Technology Regimes," *International Organization* 44 no. 2 (1990) 169-199. Reprinted In: *International Organization: A Reader*, edited by Friedrich V. Kratochwill and Edward D. Mansfield. New York, NY: Harper Collins, 1994.

Cowhey, Peter F. "Telecommunications." In *Europe 1992: an American Perspective*, edited by Gary Hufbauer. Washington, DC: Brookings Institution Press, 1990.

Cowhey, Peter F. "States and Politics in American Foreign Economic Policy." In *International Trade Policies: Gains from Exchange between Economics and Political Science*, edited by John S. Odell and Thomas D. Willett. Ann Arbor, MI: University of Michigan Press, 1990.

Cowhey, Peter F. "Telecommunications and Foreign Economic Policy." In *New Directions in Telecommunications Policy: Volume 2, Information Policy and Economic Policy*, edited by Paula R. Newberg. Durham, NC: Duke University Press, 1989.

Cowhey, Peter F. "The Globalization of Telephone Pricing and Services." In *Perspectives on the Telephone Industry: The Challenge for the Future*, edited by James H. Alleman. New York, NY: Harper & Row, Ballinger Division, 1989.

Cowhey, Peter F. and Aronson, Jonathan D. "Trade in Services and Changes in the World Telecommunications System," In *Changing Networks: Mexico's Telecommunications Options*, edited by **Peter F. Cowhey**, Jonathan D. Aronson, and Gabriel Szekely, 5-47. San Diego, CA: Center for US-Mexico Studies University of California San Diego, 1989.

Cowhey, Peter F. and Aronson, Jonathan D. "Global Diplomacy and National Policy Options for Telecommunications." In *Changing Networks: Mexico's Telecommunications Options*, edited by **Peter F. Cowhey**, Jonathan D. Aronson, and Gabriel Szekely, 51-78. San Diego, CA: Center for US-Mexico Studies University of California San Diego, 1989.

Cowhey, Peter F. and Aronson, Jonathan D. "Bilateral Telecommunications Negotiations" In *Strategic Trends in Services: An Inquiry Into the Global Service Economy*, edited by Albert Bressand and Kalypto Nicolaidis. New York: Harper & Row, Ballinger Division, 1989. Also published in *Overseas Telecommunications Journal*. No. 2. pp 32-46 Tokyo, Japan: Research Institute of Telecom Policies and Economics, 1988 (in Japanese).

Cowhey, Peter F. "International Trade and Telecommunications." In Estabrooks, M.F., Lamarche, R.H. (editors). *Telecommunications: A Strategic Perspective on Regional, Economic, and Business Development*. Moncton: The Canadian Institute for Research on Regional Development (1987).

Cowhey, Peter F. "Trade Talks and the Informatics Sector" *International Journal*, XLII (Winter 1986-87) 107-137.

Cowhey, Peter F. (1986). The Politics of US Trade Policy and the Fate of Hightech Industries. *Issues in Science and Technology*, 2(3) 47-52.

Aronson, Jonathan D. and **Cowhey, Peter F.** (1985). Trade in Services: A Case for Open Markets [Monograph] *The Project on Competing in a Changing Work Economy*, American Enterprise Institute. 1-46.

Cowhey, Peter F. and Aronson, Jonathan D. (1985). Trade Services and Latin America. Published as part of a volume on international trade by Sistema Económico Latino Americano, Caracas, Venezuela.

Aronson, Jonathan D. and **Cowhey, Peter F.** (1985) Trade in Communication and Data Processing. In R. Stern (Ed) Trade and Investment Services: Canada/US Perspectives. (256-290). Toronto: University of Toronto Press for the Ontario Economic Council.

Cowhey, Peter F. and Aronson, J.D. (1985) The Great Satellite Shootout. *Regulation: AEI Journal on Government and Society*. 27-36.

Cowhey, P.F. and Aronson, J.D. (1985) Telecommunications Networks: Can They Save Europe's Computer and Microelectronics Industries? In A. Pfaller (Ed.) *Der Kampf um den Wohlstand von morgen - Internationaler Strukturwandel und neuer Merkantilismus* (131-147). Friedrich-Ebert-Stiftung. [In German]

Aronson, Jonathan .D. and **Cowhey, Peter F.** (1985) Telecom: Le Service Public En Question. *30 jours d'Europe*. 18-21.

Cowhey, Peter F. and Aronson, Jonathan D. (1984) Canada-US Trade in Communications Services: The Prospects for and Implications of Liberalization. In *The Management of Transborder Data Flows: US-Canada and Beyond*. Proceedings of Canadian Studies Program, Columbia University, New York, 2 April (pp 166-202). New York: Columbia University.

Cowhey, Peter F. and Long, E. (1983) Testing Theories of Regime Change: Hegemonic Decline or Surplus Capacity? *International Organization* 37(2), 157-188. [Reprinted: J. Grieco (Ed.) *Theories of Hegemony*]

"Testing Theories of Regime Change: Hegemonic Decline or Surplus Capacity?" (with Edward Long), *International Organization*, Spring 1983. (Reprinted in Joseph Grieco (ed.), *Theories of Hegemony*).

"The Future of the International Oil Companies and the Probable Evolution of the World Energy System in the Eighties" in Miguel Wionczek (ed), *The Future of the World Hydrocarbons Market* (Pergamon Press, 1982).

"Las Companias Petroleras Internacionales y El Futuro del Sistema Mundial de Energia", *Cuadernos Sobre Prospectiva Energetica*, June, 1981. Monograph published by El Colegio de Mexico (Mexico City).

"Bearing the Burden: Presidential Responsibility for Foreign Policy" (with David Laitin), *International Studies Quarterly*, 1978.

"The Theory of Collective Goods Reexamined" (with Jeffrey Hart), *Western Political Quarterly*, Fall 1977.

HONORS, AWARDS, AND SPECIAL ACHIEVEMENTS

I. SELECTED AWARDS AND ACHIEVEMENTS

- Chairman's Special Achievement Award, Federal Communications Commission, for distinguished service, 1996. (This is the highest award for non-career employees of the FCC.)
- Council on Foreign Relations International Affairs Fellowship, 1984 (for 1985-1986)
- Rockefeller Foundation International Affairs Fellowship, 1983 (for 1984-1986)
- Odegard Prize, Department of Political Science, 1974
- Ph.D. Examinations passed with Distinction, 1973
- NSF Traineeship, 1970-1973 (declined 1972-1973)
- Edmond A. Walsh Award, Georgetown University, 1970

II. RESEARCH ON INNOVATION AND THE TELECOMMUNICATIONS, INFORMATION, AND SERVICES INDUSTRIES

- Member, Task force on the Internet Economy, Keio University and the Association of Pacific Research Universities, 2015—
- Visiting Professor, Sciences Po, Paris, 2014
- Co-investigator, Project on Comparative Trends in Innovation in Korea and United States, Korea-US Business Council Report to CEOs, 2014
- Lead Investigator, "Unlocking the Benefits of Cloud Computing for Emerging Economies – A Policy Overview" (Verizon Grant), 2013
- Co-Principal Investigator, "Innovation Systems and Public Policy," Connect Institute, Grant from the Waitt Foundation, 2010-2011
- Chief Policy Officer, the Aspen Institute Project on the International Digital Economy Agreement, 2010-2011

- Research Fellow, Annenberg Center, University of Southern California, 2006-2007
- Member, Technology Center Advisory Board, Grameen Foundation, 2005- (Board of directors subsequently)
- Co-Director, "Spectrum Policy Workshops" (a joint project of UCSD and ENST, France), 2002-2006
- Layer Leader, Public Policy and Markets Research, California Institute on Telecommunications and Information Technology, 2002-2005
- Advisory Board, UNDP-Markle Foundation Project on Communications and Information Technology, 2001-2002
- Advisory Board, USAID E-government, 2001-2006
- Co-Director, International Workshops on Communications Regulations, 2000-2002
- Principal Investigator, Markle Foundation, "Regulatory Reform and Developing Countries," 2000-2002
- Co-organizer, California E-economy Project (co-sponsored by Berkeley Roundtable on the International Economy and IGCC), 1999-2004
- Co-Organizer, International Settlement Rates Conference, Annenberg School of Communications, Winter 1998
- Co-Director, Council on Foreign Relations study group, "Global Communication and Information Policy," 1996
- "Special Act" Awards from the Chief of the International Bureau. 1995 (Foreign Carrier Order), 1996 (Accounting Rate Policy Statement, AT&T International Nondominance Order), and 1997 (International Settlement Rate benchmark NPRM and World Trade Organization negotiation)
- Co-Director, Project on Comparative Telecommunications Reform in Perspective, Department of Education grant, 1992-1993
- Investigator, "Europe 1992 project," Brookings Institution, 1988-1990
- Co-Director, Project on U.S.-Mexico Telecommunications Relations, Center on U.S.-Mexico Studies, UC San Diego, 1987-1989
- Visiting Scholar, Berkeley Roundtable on the International Economy, University of California, Berkeley, 1984-1985
- Visiting Scholar, Communications Program, M.I.T., 1984-1985
- Co-Principal Investigator, "International Services and Telecommunications Policy" American Enterprise Institute, 1983-1987
- Research grants, UC San Diego Faculty Senate, "International and Domestic Telecommunications Policy," 1981-1982

III. RESEARCH ON INTERNATIONAL RELATIONS, BIOSECURITY AND FOREIGN TRADE, AND INVESTMENT

- Member and Lead Project Analyst, San Diego Economic Development Corporation Task Force on San Diego Metropolitan Region Strategy for International Trade, a Global Cities Initiative project with the Brookings Institution, 2013-14
- Member, Joint Task Force on The Global Innovation Economy: Enhancing Cooperation in India-U.S. Relations, Pacific Council on International Policy and the Federation of Indian Chambers of Commerce and Industry, 2007-2009
- Member, Steering Committee, The American Assembly's project on the "Next Generation of Foreign Policy Leadership," 2005-2007

- Co-Principal Investigator, National Security Fellows Training Program, U.S. Department of State, 2005
- Co-Principal Investigator, Public Policy and Biological Threats, 2004-2007, Project of the Institute on Global Conflict and Cooperation, funded by the Carnegie Corporation
- Co-Principal Investigator, "Middle East Security Dialogue," 2001-2008, U.S. Department of Energy
- Member, Council on Foreign Relations Study Group on International Trade Policy, 1999-2001
- Member, Northeast Asian Cooperation Dialogue, 1999-2001
- Senior Fellow, Institute for International Economics, 1997 (offer declined)
- Member, China-Japan-U.S. Trilateral Forum, 1996-2000
- Visiting Scholar, Institute of Oriental Culture, University of Tokyo, Winter 1993
- Research Scholar, Berkeley Roundtable on the International Economy, 1992-1994
- Co-Director, Conference on Comparing Public Policy and Politics in the U.S. and Japan, February 1992
- Visiting Scholar, Instituto Juan March (Madrid, Spain), Spring 1992
- Co-Principal Investigator, "The Politics of Economic Integration in the Americas," 1991-1992 (Grant from Institute on Global Conflict and Cooperation)
- Co-Principal Investigator, "Comparative Foreign Policies and the Commitment to Multilateralism," 1991-1992 (Grant from Institute on Global Conflict and Cooperation)
- Director, Project on International and Security Affairs, University of California, San Diego, 1990-1994
- Co-Principal Investigator, "Political Institutions and Policy-Making in Pacific Rim Nations" U. C. Pacific Rim Research Program, 1989-1991
- Co-Principal Investigator, "UCSD Colloquium on International Institutions," 1988-1990 (Ford Foundation grant)
- Co-Principal Investigator, "Study of Hegemonic Change in the Pacific Rim," University of California Pacific Rim Research Program, 1987-1988
- Co-Director, Working Group of the Council on Foreign Relations, "International Corporate Alliances and the Future of International Cooperation and Competition," 1985-1986

IV. ENERGY RESEARCH

- Co-Principal Investigator, "An Analysis of the Merits of International Oil Agreements", Columbia University Institute for Law and Economics, 1980-1981
- Principal Investigator, "International Geothermal Energy Project," U.S. Department of Energy, 1979-1980
- Visiting Scholar, Institute of War and Peace Studies, Columbia University, 1978-1979
- Research Grant, International Foundation for Development Alternatives, Nyon Switzerland, 1978-1979
- Faculty Senate Research Grants, 1978 (for European interviewing on energy policy)
- NSF Post-Doctoral Fellowship for Energy Studies, 1975

V. TEACHING FIELDS

- International Political Economy (Trade, Innovation, and Investment Policy)
- Regulation and Public Policy (Telecommunications and Information Policy, Theory of Regulation, Cybersecurity, Biosecurity, Comparative Public Policy)
- International Corporate Strategy

- Comparative Foreign Policy

POPULAR PRESS ARTICLES AND SELECTED WORKING PAPERS

"Trump's Trade Moves Impact San Diego Economy" San Diego Union-Tribune, January 27, 2017

"The Trans-Pacific Partnership: Trade's Prosperous Potential for San Diego" White Paper for San Diego Economic Development Corporation and World Trade Center, March 2016 (with T. Baranga)

"The Information and Production Disruption: Implications for Innovation Policy," U.S.-Korean Business Council White Paper, 2015 (with S. Haggard)

"Right Target, Wrong Weapon," Financial Times, September 12, 2000, p. 17 (with J. Aronson)

"Northeast Asia and 'stealth détente'," San Diego Union-Tribune, January 28, 2000, p. B-11.

"Do Mergers Threaten Nations?" Los Angeles Times, June 28, 1998, p. M1 (with Jonathan Aronson)

"America, The Global Telecom Laggard," Wall Street Journal, March 6, 1998, p. A14 (with Scott Blake Harris)

"The FCC and the Reform of the International Telecommunications Services Market" Euromoney (Winter 1998) (with Laura Sherman)

"The Clinton Technology Policy: Boon or Boondoggle?" USA Today Magazine, January 1994

"Clinton Will Need Fast-Tech Results," New York Times, January 3, 1993, (with D. Brass)