

# CURRICULUM VITA

## Joseph Peggs Kalt

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### PROFESSIONAL POSITIONS

#### JOHN F. KENNEDY SCHOOL OF GOVERNMENT, HARVARD UNIVERSITY CAMBRIDGE, MA

*Ford Foundation Professor of International Political Economy*, 1992-2012; emeritus 2012-present

Areas of specialization include Industrial Organization, Economics of Antitrust and Regulation, Natural Resource Economics, Public Choice and Political Economy, Economic Development, Microeconomic Theory

*Co-Director*, The Harvard Project on American Indian Economic Development, 1987-present

*Faculty Chair*, Harvard University Native American Program, 2000-2006

*Chair*, Economics and Quantitative Methods Cluster, 1995-2000

*Professor of Political Economy*, 1986-1992

*Faculty Chair and Academic Dean for Research*, 1992-1994

*Chairman*, Environment and Natural Resources Program, Center for Science and International Affairs, 1990-1994

*Chairman of Degree Programs*, 1990-1992

*Chairman of Ph.D. Programs*, 1989-1990

*Assistant Director for Natural Resources*, Energy and Environmental Policy Center, 1985-1990

*Co-Director*, Harvard Study on the Future of Natural Gas Policy (with Frank C. Schuller), Energy and Environmental Policy Center, 1984-1986

#### DEPARTMENT OF ECONOMICS, HARVARD UNIVERSITY, CAMBRIDGE, MA

*Associate Professor of Economics*, 1983-1986

*Assistant Professor of Economics*, 1980-1983

*Instructor in Economics*, 1978-1980

#### THE UNIVERSITY OF ARIZONA, TUCSON, AZ

*Visiting Professor*, Rogers College of Law, 2008-2013; *Faculty Affiliate*, 2013-present

*Visiting Professor*, Eller College of Management, 2005-2010

*Visiting Professor*, School of Government and Public Policy, 2009-2012

*Faculty Chair for Nation Building Programs*, Native Nations Institute for Leadership, Management, and Policy, Udall Center for Studies in Public Policy, 2005-2015

*Visiting Professor*, American Indian Studies Department, 2005-2006; *Faculty Affiliate*, 2013-2016

### **COMPASS LEXECON**

*Senior Economist*, 2003-present (and since 1983 with predecessor enterprises)

### **PRESIDENT'S COUNCIL OF ECONOMIC ADVISERS, WASHINGTON DC**

*Junior Staff Economist*, 1974-1975

### **EDUCATION**

University of California, Los Angeles, Ph.D. in Economics, 1980; M.A. in Economics, 1977  
Doctoral Dissertation: *Federal Control of Petroleum Prices: A Case Study of the Theory of Regulation*

Stanford University, Stanford, CA, B.A. in Economics (Honors), 1973

### **PUBLICATIONS AND RESEARCH: BOOKS AND MONOGRAPHS**

*Universities and Indian Country: Case Studies in Tribal-Driven Research* (with Dennis Norman), University of Arizona Press, April 2015.

*On Improving Tribal-Corporate Relations in the Mining Sector: Strategies for Both Sides of the Table* (with Saleem Ali, Sarah Krakoff, Miriam Jorgensen and Anthony McInnis), The Harvard Project on American Indian Economic Development, Harvard University, Cambridge, MA, May 2014.

*Constitutional Design* (with Jessie M. Mosqueda and C. Falan Yinug), The Native Nations Institute for Leadership, Management and Policy, *Guides for Indigenous Governance*, March 2013.

*The State of the Native Nations: Conditions under U.S. Policies of Self-Determination* (a principal author, with The Harvard Project on American Indian Economic Development), Oxford University Press, 2008.

*American Indians on Reservations: A Databook of Socioeconomic Change Between the 1990 and 2000 Censuses* (with Jonathan B. Taylor), The Harvard Project on American Indian Economic Development, January 2005.

*Annotated Bibliography: The Social and Economic Impacts of Indian and Other Gaming* (with Leigh Gardner and Katherine A. Spilde), The Harvard Project on American Indian Economic Development, January 2005.

*The Context and Meaning of Family Strengthening in Indian America: A Report to the Annie E. Casey Foundation by The Harvard Project on American Indian Economic Development* (with Amy Besaw, Andrew Lee, Jasmin Sethi, Julie Boatright Wilson, Marie Zemler), The Annie E. Casey Foundation, Baltimore, Maryland, August 2004.

*New Horizons in Natural Gas Deregulation*, ed. (with Jerry Ellig) and co-author of two chapters, Greenwood Press, 1995.

*What Can Tribes Do? Strategies and Institutions in American Indian Economic Development*, ed. (with Stephen Cornell), University of California, 1992.

*National Parks for the 21st Century: The Vail Agenda*, editor and primary author of the Report of the Steering Committee, National Park Foundation, Chelsea Green Publishing Co., 1992.

*Cases in Microeconomics* (with Jose A. Gomez-Ibanez), Prentice Hall, 1990.

*Drawing the Line on Natural Gas Regulation*, ed. (with F. C. Schuller) and author of two chapters, Greenwood-Praeger Press/Quorum Books, 1987.

*The FACS/Ford Study of Economic and Business Journalism* (with James T. Hamilton), Foundation for American Communications and the Ford Foundation, 1987.

*The Economics and Politics of Oil Price Regulation: Federal Policy in the Post-Embargo Era*, MIT Press, 1981; paperback edition, 1983.

*Petroleum Price Regulation: Should We Decontrol?* (with Kenneth J. Arrow), American Enterprise Institute, 1979.

## **PUBLICATIONS AND RESEARCH: ARTICLES**

“Proposal for a Fair and Feasible Formula for the Allocation of CARES Act COVID-19 Relief Funds to American Indian and Alaska Native Tribal Governments” (with Randall K.Q. Akee, Eric C. Henson and Miriam R. Jorgensen), COVID-19 Response and Recovery Policy Brief #3, The Harvard Project on American Indian Economic Development and Native Nations Intitute (Univ. of Arizona), May 2020.

“Dissecting the US Treasury Department’s Round 1 Allocations of CARES Act COVID-19 Relief Funding for Tribal Governments” (with Randall K.Q. Akee, Eric C. Henson and Miriam R. Jorgensen), COVID-19 Response and Recovery Policy Brief #2, The Harvard Project on American Indian Economic Development and Native Nations Intitute (Univ. of Arizona), May 2020.

“The Need for a Significant Allocation of COVID-19 Response Funds to American Indian Nations” (with Randall K.Q. Akee, Eric C. Henson and Miriam R. Jorgensen), COVID-19 Response and Recovery Policy Brief #1, The Harvard Project on American Indian Economic Development and Native Nations Intitute (Univ. of Arizona), May 2020.

“From Tribal *Members* to Tribal *Citizens*” (with Stephen Cornell), in N. Hill, ed., *Blood Quantum and the Future of Native Nations*, Fulcrum Publishing, forthcoming 2016.

“American Indian Self-Determination: The Political Economy of A Successful Policy” (Co-Author with Stephen Cornell), Paper for American Academy of Sciences International Workshop on Minority Groups: U.S. and China, American Academy of Arts and Sciences, Tufts University, June 25-27, 2010.

“Is There Only One Cultural Path to Development? Sustainable Heterogeneity Among Contemporary American Indian Nations” (with Stephen Cornell and Miriam Jorgensen), Conference in Honor of Samuel Huntington, Cultural Change Institute, The Fletcher School, Tufts University, October 2008.

“The U.S. Energy Outlook: Will It Go from Bad to Worse?” in *The Issues Inside the Fishbowl*, FTI Consulting, April 2008.

“Two Approaches to the Development of Native Nations: One Works, the Other Doesn’t” (with Stephen Cornell), in M. Jorgensen, ed., *Rebuilding Native Nations: Strategies for Governance and Development*, University of Arizona Press, 2007.

“Development, Governance, Culture: What Are They and What Do They Have to Do with Rebuilding Native Nations?” (with Manley A. Begay, Jr., Stephen Cornell, and Miriam Jorgensen), in M. Jorgensen, ed., *Rebuilding Native Nations: Strategies for Governance and Development*, University of Arizona Press, 2007.

“The Role of Constitutions in Native Nation Building: Laying a Firm Foundation,” in M. Jorgensen, ed., *Rebuilding Native Nations: Strategies for Governance and Development*, University of Arizona Press, 2007.

“Seizing the Future: Why Some Native Nations Do and Others Don’t” (with Stephen Cornell, Miriam Jorgensen and Katherine Spilde), in M. Jorgensen, ed., *Rebuilding Native Nations: Strategies for Governance and Development*, University of Arizona Press, 2007.

“Competition & Regulation, Part III: Tensions Evolve between Regulation and Competition” (with Charles Augustine and Joseph Cavicchi), in *Electric Light and Power*, www.elp.com, January/February 2006, pp. 24-25.

“Constitutional Rule and the Effective Governance of Native Nations,” in Eric D. Lemont, ed., *Contemporary American Indian Constitutionalism and the Rebuilding of Native Nations*, University of Texas Press, 2006.

“Gradualism in Retail Restructuring” (with Charles Augustine and Joseph Cavicchi) in *Electric Light and Power*, www.elp.com, September/October 2005, pp. 26-30.

“Competition & Regulation in the Power Industry: Can the Two Coexist?” (with Charles Augustine and Joseph Cavicchi) in *Electric Light and Power*, www.elp.com, July/August 2005, pp. 28-31.

“Establishing a Tribal Development Corporation,” *Forum on Establishing a Tribally Owned Development Corporation*, the United States Senate Committee on Indian Affairs, July 20, 2004.

“Economics, Law, and Politics: What Will Drive Energy’s Future,” in *Proceedings of the 50<sup>th</sup> Annual Institute of the Rocky Mountain Mineral Law Foundation*, vol. 50, p. 1-1 (2004), December 2005.

“Myths and Realities of Tribal Sovereignty: The Law and Economics of Indian Self-Rule” (with J. Singer), *Joint Occasional Papers in Native Affairs*, The Harvard Project on

American Indian Economic Development, John F. Kennedy School of Government, Harvard University, January 2004.

“Partisan Misperceptions and Conflict Escalation: Survey Evidence from a Tribal/Local Government Conflict” (with Keith Allred and Kessely Hong), in *Third-Party Intervention eJournal*, November 2003.

“Roundtable: Recent Developments in Section 2” (with Aaron Edlin, A. Douglas Melamed, and Gary L. Roberts), *Antitrust Magazine*, vol. 18, No. 1, Fall 2003.

*The First Nations Governance Act: Implications of Research Findings from the United States and Canada* (with Stephen Cornell and Miriam Jorgensen), Report to the British Columbia Assembly of First Nations, July 2002.

“Public Policy Analysis of Indian Gaming in Massachusetts” (with Kenneth Grant and Jonathan B. Taylor), Faculty Research Working Paper Series #RWP02-019, John F. Kennedy School of Government, Harvard University, May 13, 2002.

“Means-Testing Indian Governments: Taxing What Works” (with Jonathan Taylor), in Richard C. Monk, ed., *Taking Sides: Race and Ethnicity*, McGraw-Hill/Dushkin, 2001.

“Where’s the Glue? Institutional and Cultural Foundations of American Indian Economic Development” (with Stephen Cornell), *The Journal of Socio-Economics*, vol. 29, 2000.

“Open Access for Railroads? Implications for a Non-Hub, Congestible Network Industry” (with Amy B. Candell), Advanced Workshop in Regulation and Competition, Center for Research in Regulated Industries, May 2000 (unpublished working paper).

“What Tribes Can Do: An Interview with Joseph P. Kalt,” *American Indian Report*, March 1999.

“Sovereignty and Nation-Building: The Development Challenge in Indian Country Today” (with Stephen Cornell), *The American Indian Culture and Research Journal*, vol. 22, no. 3, February 1999.

“Making Research Count in Indian Country: The Harvard Project on American Indian Economic Development” (with Manley A. Begay, Jr., and Stephen Cornell), *Journal of Public Service and Outreach*, vol. 3, no. 1, Spring 1998.

“Successful Economic Development and Heterogeneity of Governmental Form on American Indian Reservations” (with Stephen Cornell), in Merilee S. Grindle, ed., *Getting Good Government: Capacity Building in the Public Sector of Developing Countries*, Harvard University Press, 1997.

“Cultural Evolution and Constitutional Public Choice: Institutional Diversity and Economic Performance on American Indian Reservations” (with Stephen Cornell), Faculty Research Working Paper Series, John F. Kennedy School of Government, January 1995; reprinted in John Lott, ed., *Uncertainty and Economic Evolution: Essays in Honor of Armen A. Alchian*, Routledge Press, 1997.

“Regulatory Reform and the Economics of Contract Confidentiality: The Example of Natural Gas Pipelines” (with A. B. Jaffe, S. T. Jones, and F. A. Felder), *Regulation*, 1996, No. 1.

“Precedent and Legal Argument in U.S. Trade Policy: Do They Matter to the Political Economy of the Lumber Dispute?” in *The Political Economy of American Trade Policy*, Anne O. Krueger, ed., University of Chicago Press, 1996.

“Do Precedent and Legal Argument Matter in the Lumber CVD Cases?” in *The Political Economy of Trade Protection*, Anne O. Krueger, ed., University of Chicago Press, 1996.

“Introduction: The New World of Gas Regulation” (with Jerry Ellig), J. Ellig and J. P. Kalt, eds., *New Directions in Natural Gas Deregulation*, Greenwood Press, 1995.

“Incentive Regulation for Natural Gas Pipelines” (with Adam B. Jaffe), in J. Ellig and J. P. Kalt, eds., *New Directions in Natural Gas Deregulation*, Greenwood Press, 1995.

“Where Does Economic Development Really Come From? Constitutional Rule Among the Modern Sioux and Apache” (with Stephen Cornell), *Economic Inquiry*, Western Economic Association International, vol. XXXIII, July 1995, pp. 402-426.

“Insight on Oversight” (with Adam B. Jaffe), *Public Utilities Fortnightly*, April 1995.

“The Redefinition of Property Rights in American Indian Reservations: A Comparative Analysis of Native American Economic Development” (with Stephen Cornell), L. H. Legters and F. J. Lyden, eds., *American Indian Policy: Self-Governance and Economic Development*, Greenwood Press, 1994.

“Reloading the Dice: Improving the Chances for Economic Development on American Indian Reservations” (with Stephen Cornell), in J. P. Kalt and S. Cornell, eds., *What Can Tribes Do? Strategies and Institutions in American Indian Economic Development*, University of California, 1992, pp. 1-59.

“Culture and Institutions as Public Goods: American Indian Economic Development as a Problem of Collective Action” (with Stephen Cornell), in Terry L. Anderson, ed., *Property Rights and Indian Economies*, Rowman and Littlefield, 1992.

“Comment on Pierce,” *Research in Law and Economics*, vol. 13, 1991, pp. 57-61.

“Pathways from Poverty: Economic Development and Institution-Building on American Indian Reservations” (with Stephen Cornell), *American Indian Culture and Research Journal*, 1990.

“The Apparent Ideological Behavior of Legislators: On-the-Job Consumption or Just a Residual?” (with Mark A. Zupan), *Journal of Law and Economics* 33 (April 1990), pp. 103-32.

“How Natural Is Monopoly? The Case of Bypass in Natural Gas Distribution Markets” (with Harry G. Broadman), *Yale Journal on Regulation*, Summer 1989.

“Culture and Institutions as Collective Goods: Issues in the Modeling of Economic Development on American Indian Reservations” (with Stephen Cornell), *Project Report*, Harvard Project on American Indian Economic Development, June 1989.

“Public Choice, Culture and American Indian Economic Development” (with Stephen E. Cornell), *Project Report*, Harvard Project on American Indian Economic Development, July 1988.

“The Political Economy of Protectionism: Tariffs and Retaliation in the Timber Industry,” in R. Baldwin, ed., *Trade Policy Issues and Empirical Analysis*, University of Chicago Press, 1988.

“The Impact of Domestic Environmental Regulatory Policy on U.S. International Competitiveness,” *International Competitiveness*, A.M. Spence and H.A. Hazard, eds., Ballinger Publishing Co., 1988.

“Re-Establishing the Regulatory Bargain in the Electric Utility Industry,” *Discussion Paper Series*, Energy and Environmental Policy Center, Kennedy School of Government, March 1987, published as Appendix V in *Final Report of the Boston Edison Review Panel*, W. Hogan, B. Cherry and D. Foy, March 1987.

“Natural Gas Policy in Turmoil” (with Frank C. Schuller), in J. P. Kalt and F. C. Schuller, eds., *Drawing the Line on Natural Gas Regulation: The Harvard Study on the Future of Natural Gas Policy*, Greenwood-Praeger Press/Quorum Books, 1987.

“Market Power and Possibilities for Competition,” in J. P. Kalt and F. C. Schuller, eds., *Drawing the Line on Natural Gas Regulation: The Harvard Study on the Future of Natural Gas Policy*, Greenwood-Praeger Press/Quorum Books, 1987.

“The Political Economy of Coal Regulation: The Power of the Underground Coal Industry,” in R. Rogowsky and B. Yandle, eds., *The Political Economy of Regulation*, Federal Trade Commission, GPO, 1986, and in *Regulation and Competitive Strategy*, University Press of America, 1989.

“Exhaustible Resource Price Policy, International Trade, and Intertemporal Welfare,” February 1986 (revised June 1988), *Journal of Environmental Economics and Management*, 1989.

“Regional Effects of Energy Price Decontrol: The Roles of Interregional Trade, Stockholding, and Microeconomic Incidence” (with Robert A. Leone), *Rand Journal of Economics*, Summer 1986.

“A Framework for Diagnosing the Regional Impacts of Energy Price Policies: An Application to Natural Gas Deregulation” (with Susan Bender and Henry Lee), *Resources and Energy Journal*, March 1986.

“Intertemporal Consumer Surplus in Lagged-Adjustment Demand Models” (with Michael G. Baumann), *Energy Economics Journal*, January 1986.

“A Note on Nonrenewable Resource Extraction Under Discontinuous Price Policy” (with Anthony L. Otten), *Journal of Environmental Economics and Management*, December 1985.

“Capture and Ideology in the Economic Theory of Politics” (with Mark A. Zupan), *American Economic Review*, June 1984; republished in *The Behavioral Study of Political Ideology and Public Policy Formation*, Carl Grafton and Anne Permaloff, eds., University Press of America, Inc., 2005, pp. 63-103; republished in *The Political Economy of Regulation*, Thomas P. Lyons, ed., Edgar Elger Publishing, 2007, chapter 9.

“A Comment on ‘The Congressional-Bureaucratic System: A Principal Agent Perspective,’” *Public Choice*, Martinus Nijhoff Publishers, Dordrecht, The Netherlands, vol. 44, 1984, pp. 193-95.

“The Creation, Growth and Entrenchment of Special Interests in Oil Price Policy,” in *Political Economy of Deregulation*, Roger G. Noll and Bruce M. Owen, eds., American Enterprise Institute, 1983.

“The Costs and Benefits of Federal Regulation of Coal Strip Mining,” *Natural Resources Journal*, October 1983.

“Oil and Ideology US Senate,” *The Energy Journal*, April 1982.

“Public Goods and the Theory of Government,” *The Cato Journal*, Fall 1981.

“The Role of Governmental Incentives in Energy Production” (with Robert S. Stillman), *Annual Review of Energy*, vol. 5, Annual Reviews Inc., 1980, pp. 1-32.

“Why Oil Prices Should be Decontrolled” (with Kenneth J. Arrow), *Regulation*, September/October 1979, pp. 13-17.

“Technological Change and Factor Substitution US, 1929-67,” *International Economic Review*, Spring/Summer 1977.

“The Capital Shortage: Concept and Measurement” (with George M. von Furstenberg), *The Journal of Economics and Business*, Spring/Summer 1977, pp. 198-210.

“Problems of Stabilization in an Inflationary Environment: Discussion of Three Papers,” *1975 Proceedings of the Business and Economic Statistics Section: American Statistical Association Annual Meetings*, pp. 20-22.

## **RESEARCH REPORTS**

*Political, Social, and Environmental Shareholder Resolutions: Do They Create or Destroy Shareholder Value?* (co-author L. Adel Turki, PhD, with Kenneth W. Grant, Todd D. Kendall, PhD and David Molin, PhD), Executive Summary, April 27, 2018.

“Economic Impact of the *Hualapai* Water Rights Settlement and Proposed Diamond Creek Pipeline”, Report Prepared for the Hualapai Nation, July 16, 2017.



*Economists' Amici Brief to the United States Supreme Court* (In re: Long-Term Contracts for Energy Markets, No. 14-614, 14-623; with Cavicchi, A. Joseph, *et al.*), January 19, 2016.

*The Mining of Crow Nation Coal: Economic Impact on the Crow Reservation, Big Horn County, and Montana*, Report Prepared for the Crow Nation by Prof. Joseph P. Kalt, The Harvard Project on American Indian Economic Development, February 4, 2014.

*Tucson's New Prosperity: Capitalizing on the Sun Corridor, A Sun Corridor Legacy Program Concept Paper Prepared by the Sonoran Institute* (with Dan Hunting and Luther Propst), The Sonoran Institute, Tucson Arizona, May 25, 2010.

*Economists' Amici Brief to the United States Supreme Court* (In re: Long-Term Contracts for Energy Markets, No.08-674; with Blaydon, Colin C., *et al.*), July 14, 2009.

*Economic and Public Policy Analysis of the Proposed Western Navajo-Hopi Lake Powell Water Pipeline: Prepared for the Hopi Nation*, March 19, 2008.

*Economists' Amici Brief to the United States Supreme Court* (In re: Long-Term Electric Power Contracts, Nos. 06-1457, 06-1462; with Baumol, Wm. J, *et al.*), November 28, 2007.

“The Links Between Air Quality Policies, Electric Power and Natural Gas Markets, and Macroeconomic Impacts: *Clear Skies Versus The Clean Air Planning Act*” (with Charles Augustine and Stephen Makowka), A Policy Analysis Study by Lexecon, an FTI Consulting Company, March 2004.

*Alaska Native Self-Government and Service Delivery: What Works?* (with Stephen Cornell), Report to the Alaskan Federation of Natives, The Harvard Project on American Indian Economic Development, John F. Kennedy School of Government, Harvard University, August 2003.

*The Costs, Benefits, and Public Policy Merits of the Proposed Western Navajo-Hopi Lake Powell Pipeline* (with Jonathan B. Taylor and Kenneth W. Grant II), December 22, 1999.

“A Public Policy Evaluation of the Arizona State Land Department's Treatment of the Island Lands Trust Properties at Lake Havasu City” (with Jonathan B. Taylor and Matthew S. Hellman), August 16, 1999.

“Reserve-Based Economic Development: Impacts and Consequences for Caldwell Land Claims” (with Kenneth W. Grant, Eric C. Henson, and Manley A. Begay, Jr.), August 10, 1999.

“Policy Recommendations for the Indonesian Petrochemical Industry” (with Robert Lawrence, Henry Lee, Sri Mulyani and LPEM, and DeWitt & Company), March 1, 1999.

“American Indian Gaming Policy and Its Socio-Economic Effects: A Report to the National Gambling Impact Study Commission” (with Stephen Cornell, Matthew Krepps, and Jonathan Taylor), July 31, 1998.

“Public Interest Assessment of the Proposed BLM/Del Webb Land Exchange in Nevada,” report submitted to the U.S. Department of the Interior on behalf of Del Webb Conservation Holding Corporation, June 25, 1996.

“Politics Versus Policy in the Restructuring Debate,” The Economics Resource Group, Inc., funded by Northeast Utilities System Companies, June 1995.

“Indexing Natural Gas Pipeline Rates” (with Amy B. Candell, Sheila M. Lyons, Stephen D. Makowka, and Steven R. Peterson), The Economics Resource Group, Inc., April 1995.

“An Economic Analysis of Electricity Industry Restructuring in New England” (with Adam B. Jaffe), The Economics Resource Group, Inc., funded by Northeast Utilities System Companies, April 1995.

“Oversight of Regulated Utilities’ Fuel Supply Contracts: Achieving Maximum Benefit from Competitive Natural Gas and Emission Allowance Markets” (with Adam B. Jaffe), The Economics Resource Group, Inc., funded by Enron Gas Services Corporation, April 1993.

“Incentives and Taxes: Improving the Proposed BTU Tax and Fostering Competition in Electric Power Generation,” Harvard University and The Economics Resource Group, Inc., March 10, 1993.

“An Assessment of the Impact of the PT Chandra Asri Petrochemical Project on Indonesia’s Economy” (with Henry Lee, Dr. Robert Lawrence, Dr. Ronald M. Whitefield, and Bradley Blesie), The Economics Resource Group, Inc., December 1991.

“The Federal Energy Regulatory Commission’s Proposed Policy Statement on Gas Inventory Charges (PL 89-1-000)” (with Charles J. Cicchetti and William W. Hogan), *Discussion Paper Series*, Energy and Environmental Policy Center, John F. Kennedy School of Government, Harvard University, July 1989.

“The Redesign of Rate Structures and Capacity Auctioning in the Natural Gas Pipeline Industry,” *Discussion Paper Series*, Energy and Environmental Policy Center, John F. Kennedy School of Government, Harvard University, June 1988.

“A Review of the Adequacy of Electric Power Generating Capacity US , 1985-93 and 1993-Beyond” (with James T. Hamilton and Henry Lee), *Discussion Paper Series*, Energy and Environmental Policy Center, John F. Kennedy School of Government, Harvard University, June 1986.

“Energy Issues in Thailand: An Analysis of the Organizational and Analytical Needs of the Thailand Development Research Institute,” Harvard Institute for International Development, March 1986.

“Old Gas Decontrol, FERC’s Block Billing for Pipelines, and the Winners and Losers in Natural Gas Policy,” prepared for the Natural Gas Supply Association (NGSA), December 1985.

“Natural Gas Decontrol, Oil Tariffs, and Price Controls: An Intertemporal Comparison,” Energy and Environmental Policy Center, John F. Kennedy School of Government, Harvard University, April 1985.

“Market Structure, Vertical Integration, and Long-Term Contracts in the (Partially) Deregulated Natural Gas Industry,” *Discussion Paper Series*, Harvard Institute of Economic Research, Harvard University, April 1985.

“Can a Consuming Region Win under Gas Decontrol?: A Model of Income Accrual, Trade, and Stockholding” (with Robert A. Leone), *Discussion Paper Series*, Energy and Environmental Policy Center, John F. Kennedy School of Government, Harvard University, February 1984.

“Natural Gas Decontrol: A Northwest Industrial Perspective” (with Susan Bender and Henry Lee), *Discussion Paper Series*, John F. Kennedy School of Government, Harvard University, November 1983.

“Natural Gas Decontrol: A Northeast Industrial Perspective” (with Henry Lee and Robert A. Leone), *Discussion Paper Series*, John F. Kennedy School of Government, Harvard University, October 1982.

“Television Industry Self-Regulation: Protecting Children from Competition in Broadcasting” (with George J. Holder), Harvard Institute of Economic Research, Discussion Paper No. 896, April 1982.

“The Use of Political Pressure as a Policy Tool During the 1979 Oil Supply Crisis” (with Stephen Erfle and John Pound), *Discussion Paper Series*, John F. Kennedy School of Government, Harvard University, April 1981.

“Problems of Minority Fuel Oil Dealers” (with Henry Lee), *Discussion Paper Series*, Energy and Environmental Policy Center, John F. Kennedy School of Government, Harvard University, April 1981.

## **OTHER PUBLICATIONS AND LEGISLATIVE TESTIMONY**

*Political, Social, and Environmental Shareholder Resolutions: Do They Create or Destroy Shareholder Value?* (co-author L. Adel Turki, PhD, with Kenneth W. Grant, Todd D. Kendall, PhD and David Molin, PhD), June, 2018.

“Climate Proposals Have No Effect on Shareholder Returns. My Research Proves It”, Commentary for <http://fortune.com>, June 5, 2018.

Statement to U. S. Senate Committee on Indian Affairs, *Hearing on S. 664, Navajo Utah Water Rights Settlement Act of 2017 and S. 1770 Hualapai Tribe Water Rights Settlement Act of 2017*, December 6, 2017.

“Trade Corridor Planning Merits Community Input,” (with Robin Shamback and Kurt Wadlington), in *Arizona Daily Star*, The Editorial Page, August 30, 2013, p. A17.

“Tucson must not become bottom feeder underneath Phoenix’s sprawl machine,” *Arizona Daily Star*, Opinion, May 28, 2010.

Statement to U.S. House of Representatives Committee on Appropriations, Subcommittee on Interior, Environment, and Related Agencies, *The State of Indian America*, March 13, 2007.

“Political Windfall”, Review & Outlook editorial, *The Wall Street Journal Opinion*, November 2, 2005.

Statement to U.S. Senate Committee on Indian Affairs, *Lessons in Economic Development*, Hearings Regarding International Lessons in Economic Development, September 12, 2002 (hearings cancelled September 11, 2002); published in U.S. Senate Committee on Indian Affairs, *Forum on Establishing a Tribally Owned Development Corporation*, July 20, 2004.

“Institution Building: Organizing for Effective Management” in *Building Native Nations: Environment, Natural Resources, and Governance*, ed. by Stephanie Carroll Rainie, Udall Center for Studies in Public Policy, The University of Arizona, 2003.

"Lessons for the Middle East: Indians Take Control." (with Stephen Cornell), *Newsday*, July 14, 2002

Statement to U.S. House of Representatives Committee on Government Reform, Subcommittee for Energy Policy, Natural Resources and Regulatory Affairs, Hearings Regarding Natural Gas Capacity, Infrastructure Constraints, and Promotion of Healthy Natural Gas Markets, Especially in California, October 16, 2001.

Statement to U.S. Senate Committee on Indian Affairs, *Harvard University Native American Program*, Hearings Regarding Native American Program Initiatives at the College and University Level (with Dr. Ken Pepion), June 21, 2001.

Statement to U.S. Senate Committee on Indian Affairs, *Impact of Federal Development Initiatives in Indian Country*, Hearing Regarding S.2052, of September 27, 2000.

Foreword to *Impossible to Fail*, J.Y. Jones, Hillsboro Press, 1999.

Statement to U.S. House of Representatives, Subcommittee on Energy and Mineral Resources, *Federal Oil Royalty Valuation* (HB 3334), Hearing of May 21, 1998.

Statement to the National Gambling Impact Study Commission, *Economic Impact of Gaming by American Indian Tribes*, Hearing of March 16, 1998.

“Measures Against Tribes Are Counterproductive,” editorial (with Jonathan B. Taylor), *Indian Country Today*, September 22-29, 1997.

“American Indian Economic Development,” *Tribal Pathways Technical Assistant Program Newsletter*, February 1997, p. 3.

“Tourists’ Role Downplayed”, Plaintiffs say Crow have no authority to compel them to collect a tax from tourists, *by David Crisp Of The Gazette Staff*, copy dated January 30, 1997.

Statement to U.S. Senate Committee on Indian Affairs, *Economic Development in Indian Country*, Hearing of September 17, 1996.

“A Harvard Professor Looks at the Effects of Allowing U.S. Hunters to Import Polar Bear Trophies,” *Safari Times*, April 1994.

Statement to U.S. Congress, Joint Economic Committee, Subcommittee on Trade, Productivity and Economic Growth, *The Economic Impact of Lower Oil Price*, Hearing of March 12, 1986.

“Administration Backsliding on Energy Policy” (with Peter Navarro), *Wall Street Journal*, editorial page, February 9, 1982.

Statement to the Energy and Natural Resources Committee, U.S. Senate, *Government Responses to Oil Supply Disruptions*, Hearing of July 28-29, 1981, U.S. Government Printing Office, 1981, pp. 623-630 and 787-801.

“Staff Report on Effects of Restrictions on Advertising and Commercial Practice in the Professions: The Case of Optometry,” Ronald S. Bond, *et al.*, Executive Summary, Bureau of Economics, Federal Trade Commission, September 1980.

“Redistribution of Wealth in Federal Oil Policy,” *San Diego Business Journal*, August 18, 1980, pp. 22-23.

“The Energy Crisis—Moral Equivalent of Civil War” (with Peter Navarro), *Regulation*, January/February 1980, pp. 41-43.

“Windfall Profits Tax Will Reap Bonanza—But For Whom?” (with Peter Navarro), *The Miami Herald*, December 23, 1979, editorial page.

## **SELECTED PRESENTATIONS**

Keynote Address upon the Inauguration of Dr. Mark A. Zupan, Fourteenth President of Alfred University, October 22, 2016.

“Indigenous Self-Government: The Political Economy of the Only Policy That Has Ever Worked,” Ministry of Business, Innovation and Employment, Government of New Zealand, Wellington, NZ, April 18, 2013.

“American Indian Self-Government: The Political Economy of a Policy That’s Worked,” Dean’s Distinguished Speakers Series, University of Auckland (NZ) Business School, April 16, 2013.

Keynote Address: “Harvesting Creosote to Build Houses: Is Arizona’s Economic Model Sustainable?” 96<sup>th</sup> Arizona Town Hall, Tucson, AZ, April 26, 2010.

Keynote Address: “Resurgence and Renaissance in Indian America,” Native American Business Association Annual Convention, Mississippi Choctaw Nation, April 29, 2008.

“Standard Oil to Today: Antitrust Enforcement in the Oil Industry,” American Bar Association, 56th Antitrust Law Spring Meeting, Washington, D.C., March 27, 2008.

Keynote Address: “Nation Building: Lessons from Indian Country,” National Native American Economic Policy Statement, Phoenix, AZ, May 15, 2007.

Keynote Address: “A Conversation on the State of the Native Nations: A Gathering of Leaders,” Res 2007, Las Vegas, NV, March 14, 2007.

“Foundations of Nation Building: The Roles of Culture, Institutions, & Leadership Among Contemporary American Indian Nations,” a lecture to faculty, staff and students, Marine Corps University, Quantico, VA, March 12, 2007.

Keynote Address: “The Universal Challenge of Nation Building,” First Annual Great Lakes Tribal Economic Development Symposium, Traverse City, MI, October 25-26, 2006.

Transcript of Keynote Address, “Setting the Agenda: What Will Drive Energy’s Future?” *Congressional Quarterly Forum*, “The Politics of Oil: U.S. Imperatives, Foreign Consequences,” Washington, D.C., September 13, 2005.

“The Role of the Tribal Courts and Economic Development,” Bureau of Indian Affairs, *Tribal Courts in the 21<sup>st</sup> Century*, Billings, MT, August 16, 2005.

“Linking Tribal Sovereignty to Economic Self-Determination in Indian Country,” *The Tribal Leaders Forum*, “Sovereignty in Crisis,” Las Vegas, NV, May 27, 2005.

“Competition and Regulation in the North American Electricity Industry: Can These Two Seemingly Opposed Forces Coexist?” (with Charles Augustine and Joseph Cavicchi), 24<sup>th</sup> Annual North American Conference, USAEE/IAEE, Energy, Environment, and Economics in a New Era, Washington, DC, July 8-10, 2004.

“The State of U.S. Railroads and the Challenges Ahead,” briefing of Capitol Hill staff, Association of American Railroads, April 17, 2003.

“The State of the Railroad Industry and the Challenges Ahead,” briefing of Roger Nober, Chairman, US Surface Transportation Board, Association of American Railroads, January 28, 2003.

“The Wealth of American Indian Nations: Culture and Institutions,” Federal Reserve Bank of Boston, December 11, 2002.

“The Roots of California’s Energy Crisis: Law, Policy, Politics, and Economics,” Regulation Seminar, Center for Business and Government, Kennedy School, Harvard University, November 7, 2002.

“Public Policy Foundations of Nation Building in Indian Country,” National Symposium on Legal Foundations of American Indian Self-Governance,” Mashantucket Pequot Nation, February 9, 2001.

“Twenty-Five Years of Self-Determination: Lessons from the Harvard Project on American Indian Economic Development,” Udall Center for Studies in Public Policy, University of Arizona, November 13-14, 1999.

Proceedings of the Fourth Annual DOE-NARUC Natural Gas Conference, Orlando, FL, February 1995.

Keynote Address, “Sovereignty and American Indian Economic Development,” Arizona Town Hall, Grand Canyon, AZ, October 1994.

“Is the Movement Toward a Less-Regulated, More Competitive LDC Sector Inexorable?, (Re)Inventing State/Federal Partnerships: Policies for Optimal Gas Use,” U.S. Department of Energy and The National Association of Regulatory Utility Commissioners Annual Conference, Nashville, TN, February 1994.

“Cultural Evolution and Constitutional Public Choice: Institutional Diversity and Economic Performance on American Indian Reservations,” Festschrift in Honor of Armen A. Alchian, Western Economic Association, Vancouver, BC, July 1994.

“Precedent and Legal Argument in U.S. Trade Policy: Do they Matter to the Political Economy of the Lumber Dispute?” National Bureau of Economic Research, Conference on Political Economy of Trade Protection, February, September 1994.

“The Redesign of Rate Structures and Capacity Auctioning in the Natural Gas Pipeline Industry,” Natural Gas Supply Association, Houston, TX, March 1988.

“Property Rights and American Indian Economic Development,” Pacific Research Institute Conference, Alexandria, VA, May 1987.

“The Development of Private Property Markets in Wilderness Recreation: An Assessment of the Policy of Self-Determination by American Indians,” Political Economy Research Center Conference, Big Sky, MT, December 4-7, 1985.

“Lessons from the U.S, Experience with Energy Price Regulation,” International Association of Energy Economists Delegation to the People’s Republic of China, Beijing and Shanghai, PRC, June 1985.

“The Impact of Domestic Regulation on the International Competitiveness of American Industry,” Harvard/NEC Conference on International Competition, Ft. Lauderdale, FL, March 7-9, 1985.

“The Welfare and Competitive Effects of Natural Gas Pricing,” American Economic Association Annual Meetings, December 1984.

“The Ideological Behavior of Legislators,” Stanford University Conference on the Political Economy of Public Policy, March 1984.

“Principal-Agent Slack in the Theory of Bureaucratic Behavior,” Columbia University Center for Law and Economic Studies, 1984.

“The Political Power of the Underground Coal Industry,” FTC Conference on the Strategic Use of Regulation, March 1984.

“Decontrolling Natural Gas Prices: The Intertemporal Implications of Theory,” International Association of Energy Economists Annual Meetings, Houston, TX, November 1981.

“The Role of Government and the Marketplace in the Production and Distribution of Energy,” Brown University Symposium on Energy and Economics, March 1981.

“A Political Pressure Theory of Oil Pricing,” Conference on New Strategies for Managing U.S. Oil Shortages, Yale University, November 1980.

“The Politics of Energy,” Eastern Economic Association Annual Meetings, 1977.

## **WORKSHOPS PRESENTED**

University of Auckland; Ministry of Business, Innovation and Employment, Government of New Zealand; Federal Reserve Bank of Boston; University of Indiana; University of Montana; Oglala Lakota College; University of New Mexico; Columbia University Law School; Department of Economics and John F. Kennedy School of Government, Harvard University; MIT; University of Chicago; Duke University; University of Rochester; Yale University; Virginia Polytechnic Institute; U.S. Federal Trade Commission; University of Texas; University of Arizona; Federal Reserve Bank of Dallas; U.S. Department of Justice; Rice University; Washington University; University of Michigan; University of Saskatchewan; Montana State University; UCLA; University of Maryland; National Bureau of Economic Research; University of Southern California.

## **TEACHING**

Markets and Market Failure with Cases (Harvard Kennedy School of Government, graduate); Native Americans in the 21st Century: Nation Building I & II (Harvard, University-wide, graduate and undergraduate); Competition, Strategy, and Regulation (Harvard Kennedy School of Government, graduate); Introduction to Nation Building/The Law, Policy, and Economics of Contemporary Tribal Economic Development (University of Arizona, Rogers College of Law and Eller College of Management, graduate); Intergovernmental Relations (University of Arizona, Rogers College of Law); Introduction to Environment and Natural Resource Policy (Harvard Kennedy School of Government, graduate); Seminar in Positive Political Economy (Harvard Kennedy School of Government, graduate); Intermediate Microeconomics for Public Policy (Harvard Kennedy School of Government, graduate); Natural Resources and Public Lands Policy (Harvard Kennedy School of Government, graduate); Economics of Regulation and Antitrust (Harvard Department of Economics, graduate); Economics of Regulation (Harvard Department of Economics, undergraduate); Introduction to Energy and Environmental Policy (Harvard Kennedy School of Government,



graduate); Graduate Seminar in Industrial Organization and Regulation (Harvard Department of Economics, graduate); Intermediate Microeconomics (Harvard Department of Economics, undergraduate); Principles of Economics (Harvard Department of Economics, undergraduate); Seminar in Energy and Environmental Policy (Harvard Kennedy School of Government, graduate)

## **OTHER PROFESSIONAL ACTIVITIES**

Board of Directors, Fort Apache Heritage Foundation, 2000-present (Chair, 2010-2020)

Board of Directors, Native Governance Center, 2016-present (Board Secretary)

President's Council of Economic Advisors, Navajo Nation, 2016-2018

National Advisory Board, National Institute for Civil Discourse, 2016-present (Working Board, 2011-2015)

Advisory Board, Community Development Enterprise, Chickasaw Nation, 2014-present

Board of Directors, Sonoran Institute, 2008-present (Vice-Chair, 2014-2016)

Investment Committee, Women's Foundation of Southern Arizona, 2015-2018

Honorary Advisory Board, Centro Artistico y Cultural de Huachinera, Sonora, Mexico, 2009-2015

National Advisory Board, Big Sky Institute, Montana State University, 2007-2011

Board of Trustees, The Communications Institute, 2003-2014

Mediator (with Keith G. Allred), Nez Perce Tribe and the North Central Idaho Jurisdictional Alliance, MOU signed December 2002

Mediator, *In the Matter of the White Mountain Apache Tribe v. United States Fish and Wildlife Service*, re: endangered species management authority, May-December, 1994

Steering Committee, National Park Service, 75<sup>th</sup> Anniversary Symposium, 1991-1993

Board of Trustees, Foundation for American Communications, 1989-2003

Editorial Board, *Economic Inquiry*, 1988-2002

Advisory Committee, Oak Ridge National Laboratory, Energy Division, 1987-1989

Commissioner, President's Aviation Safety Commission, 1987-1988

Principal Lecturer in the Program of Economics for Journalists, Foundation for American Communications, teaching economic principles to working journalists in the broadcast and print media, 1979-2000

Lecturer in the Economics Institute for Federal Administrative Law Judges, University of Miami School of Law, 1983-1991

Research Fellow, Energy and Environmental Policy Center, John F. Kennedy School of Government, Harvard University, 1981-1987

Editorial Board, MIT Press Series on *Regulation of Economic Activity*, 1984-1992

Research Advisory Committee, American Enterprise Institute, 1979-1985

Editor, *Quarterly Journal of Economics*, 1979-1984

Referee for *American Economic Review*, *Bell Journal of Economics*, *Economic Inquiry*, *Journal of Political Economy*, *Review of Economics and Statistics*, *Science Magazine*, *Journal of Policy Analysis and Management*, *Social Choice and Welfare*, *Quarterly Journal of Economics*, MIT Press, North-Holland Press, Harvard University Press, *American Indian Culture and Research Journal*

### **SELECTED HONORS AND AWARDS**

Honorary Doctorate, Alfred University, October 2016

Distinguished Visiting Professor, University of Auckland Business School, April 2013

*Public Sector Leadership Award*, National Congress of American Indians, Washington, DC, March 1, 2010

*First American Public Policy Award*, First American Leadership Awards 2005, “Realizing the Vision: Healthy Communities, Businesses, and Economies,” National Center for American Indian Enterprise Development, Phoenix, AZ, June 9, 2005

Allyn Young Prize for Excellence in the Teaching of the Principles of Economics, Harvard University, 1978-1979 and 1979-1980

Chancellor’s Intern Fellowship in Economics, September 1973 to July 1978, one of two awarded in 1973, University of California, Los Angeles

Smith-Richardson Dissertation Fellowship in Political Economy, Foundation for Research in Economics and Education, June 1977 to September 1977, UCLA

Summer Research Fellowship, UCLA Foundation, June 1976 to September 1976

Dissertation Fellowship, Hoover Institution, Stanford University, September 1977 to June 1978

Research funding sources have included: Archibald Bush Foundation; Annie E. Casey Foundation; Nathan Cummings Foundation; Department of Indian Affairs and Northern Development (Canada); National Indian Gaming Association; The National Science Foundation; USAID (IRIS Foundation); Pew Charitable Trust; Christian A. Johnson Family Endeavor Foundation; The Ford Foundation; The Kellogg Foundation; Harvard Program on the Environment; The Northwest Area Foundation; the U.S. Department of Energy; the Research Center for Managerial Economics and Public Policy, UCLA Graduate School of Management; the MIT Energy Laboratory; Harvard’s Energy and Environmental Policy

Center; the Political Economy Research Center; the Center for Economic Policy Research, Stanford University; the Federal Trade Commission; Resources for the Future; and The Rockefeller Foundation.

Four years of undergraduate academic scholarships, 1969-1973; graduated with University Distinction and Departmental Honors, Stanford University.