

Todd Sandler
School of Economic, Political and Policy Sciences
University of Texas at Dallas
800 W Campbell Road, Mail Station GR31, Richardson, TX 75080-3021
(972) 883-6725

Educational History

B.A., (cum laude) State University of New York at Binghamton, June 1968.
M.A., State University of New York at Binghamton, June 1970 (one semester at Texas A & M, August 1968 to Dec. 1968).
Ph.D. in Economics, State University of New York at Binghamton, June 1971.
Dissertation Title: A Contribution to the Theory of Devaluation

Professional Experience

- Vibhooti Shukla Professor of Economics and Political Economy, University of Texas at Dallas, August 2006 on.
- Joint appointment as Professor of International Relations, Economics, and Law, Law School, University of Southern California, Los Angeles, March 2005 to March 2008.
- Robert R. and Katheryn A. Dockson Professor in International Relations and Economics, University of Southern California, Los Angeles, August 2000 to March 2008.
- Distinguished Professor of Economics and Political Science, Iowa State University, Ames, April 1995 to August 2000.
Leaves of Absence:
 - Visiting Fellow, University of Keele, Keele, UK, Fall semester 1996.
 - Visiting Distinguished Scholar, University of Newcastle, Newcastle, Australia, May 1996 to June 30, 1996.
- Professor of Economics, Iowa State University, Ames, May 1986 to April 1995.
(also given title of Professor of Political Science in September 1988)
Leave of Absence:
 - Honorary Fellow, University of Wisconsin-Madison, January 1990 to June 1, 1990.
- Professor of Economics, University of South Carolina, Columbia, SC, August 1985 to May 1986.
- Professor of Economics, University of Wyoming, Laramie, WY, July 1979 to December 1985.
Leaves of Absence:
 - Visiting Fellow, University of York, U.K., August 1983 to October 1983 and May 1984 to July 1, 1984.
 - Visiting Fellow, Australian National University, Canberra, Australia, September 1981 to December 1981 and May 1982 to September 1982.
 - Visiting Scholar, Institute of Social and Economic Research, University of York, U.K., Summer 1980.
 - Visiting Fellow, University of Aberdeen, Aberdeen, Scotland, June to July 1979.
- Associate Professor of Economics, University of Wyoming, Laramie, WY, June 1976 to June 1979.

Leave of Absence:

NATO Fellow, Institute of Social and Economic Research, University of York,
United Kingdom, June 1977 to June 1978.

- Associate Professor of Economics, Arizona State University, Tempe, September 1975 to June 1976.

Leave of Absence:

Visiting Assistant Professor of Economics, State University of New York at
Binghamton, September 1974 to August 1975.

- Assistant Professor of Economics, Arizona State University, Tempe, Arizona, September 1971 to August 1975.

Research Interests

Public Economics and Public Choice
Applied Microeconomic Theory
International Political Economy
International Relations
Study of Terrorism
Natural Resources and Environmental Economics
Defense and Peace Economics
International Trade and Finance

Professional Memberships

American Economic Association
American Political Science Association
Association of Environmental and Resource Economists
China Economic Association
International Defense Economics Association
LIST Society
Public Choice Society
Public Economic Theorist Association
Royal Economic Society
Southern Economic Association
Western Economic Association
International Studies Association

Honors and other Recognitions

- Co-recipient National Academy of Sciences Award for Behavioral Research Relevant to the Prevention of Nuclear War, 2003.
- Honorary Visiting Professor, Department of Economics, University of York, York, UK, October 1999-September 2002, October 2003 to September 2006, October 2006 to present.
- Visiting Distinguished Scholar, University of Newcastle, Newcastle, Australia, May 1996 to June 30, 1996.

Awards and Fellowships

Awards

- Runner-up best article of the year, Journal of Peace Research, 2009, for co-authored paper, “Hostage Taking” Determinants of Terrorist Logistical and Negotiation Success.”
- Duncan Black Award for best article in *Public Choice*, 2005.
- Annual Award for Excellence in Honors Teaching for 1998. One award given per year for best honors teacher at Iowa State University.
- Quality of Communication Award, American Agricultural Economics Association 1998 for book, *Global Challenges: An Approach to Environmental, Political, and Economic Problems*, first prize.
- Quality of Communication Award, Honorable Mention, American Agricultural Economics Association, 1997 for co-authored book, *The Theory of Externalities, Public Goods, and Club Goods*, 2nd Edition.
- Quality of Research Excellence Award, American Agricultural Economics Association, August 1995 for co-authored paper, “Agricultural Research Expenditures in the U.S.: A Public Goods Perspective,” first prize.
- Liberal Arts and Sciences College Outstanding Teacher at the Introductory Level, 1995.

Fellowships

- NATO-EAPC Research Fellowship, 1998-2000.
- Visiting Fellow, University of Keele, UK, Fall semester 1996..
- Visiting Fellow, Federalism Research Centre, Australian National University, May-July 1994.
- Senior Fellow, Institute for Policy Reform, Washington, DC, 1994.
- Senior Fellow, Institute for Policy Reform, Washington, DC, 1993.
- Senior Fellow, Institute for Policy Reform, Washington, DC, 1992.
- Senior Fellow, Institute for Policy Reform, Washington, DC, 1990-91.
- Honorary Fellow, University of Wisconsin-Madison, January 1990 to June 1, 1990.
- Visiting Fellow, University of York, U.K., August 1983 to October 1983 and May 1984 to July 1, 1984.
- Visiting Fellow, Australian National University, September 1981 to December 1981 and May 1982 to September 1982.
- Australian National University Fellowship, 1981.
- Visiting Scholar, Institute of Social and Economic Research, University of York, U.K., Summer 1980.
- Visiting Fellow, University of Aberdeen, Scotland, June to July 1979.
- NATO Postdoctoral Fellowship in the Sciences (NSF) June 1977 to June 1978.
- National Defense Education Association Fellowship (Title IV) Texas A & M, September 1968.
- State University of New York at Binghamton Fellowship, September 1969 to June 1970.

Achievements in Original Achievement, Investigation, and Research

Grants

- Principal Investigator, Department of Homeland Security, CREATE grant, “Adaptive Adversaries and Their Consequences,” \$65,000, January 2011 to September 2011; \$50,000 October 2011 to September 2012.
- Principal Investigator, Asian Development Bank Institute grant, “The Impact of Terrorism and Internal Conflict on Growth in Asia,” \$10,000, April 2008 to September 2008.
- Principal Investigator, Department of Homeland Security, CREATE grant, “Understanding Counterterrorism in a Globalized World,” \$75,000, October 2006 to September 2007; \$100,000, August 2007 to September 2008; \$130,000, October 2008 to September 2009; \$130,000, October 2009 to September 2010.
- Principal Investigator, Swedish Ministry of Foreign Affairs, EGDI grant, “Regional Public Goods,” \$40,000, April 2001 to February 2002.
- Principal Investigator, National Science Foundation grant SBR92-22953 “Alternative Theories and Tests of Alliance Behavior, Environmental Pacts, and Global Collective Action,” \$85,680, June 1, 1993 to November 30, 1994.
- Principal Investigator, National Science Foundation grant SES89-07646 “The Economics of Terrorist Negotiations, The Effectiveness of Terrorist-Thwarting Policies, and Related Issues,” \$97,711, July 1, 1989 to June 30, 1991.

Books – authored or co-authored

- *The Political Economy of Public Goods and International Cooperation*, (with William Loehr and Jon Cauley), Monograph Series in World Affairs, Vol. 15, Book 3, University of Denver, Graduate School of International Studies, 1978, 98 pages.
- *The Theory of Externalities, Public Goods, and Club Goods* (with Richard Cornes), (New York: Cambridge University Press, 1986), 303 pages.
- *International Terrorism in the 1980s: A Chronology of Events*, Volume 1, 1980-1983 (with Edward Mickolus and Jean Murdock), (Ames, Iowa: Iowa State University Press, 1988), 541 pages.
- *International Terrorism in the 1980s: A Chronology of Events*, Volume 2, 1984-1987 (with Edward Mickolus and Jean Murdock), (Ames, Iowa: Iowa State University Press, 1989), 776 pages.
- *Collective Action: Theory and Applications* (Ann Arbor, Michigan: University of Michigan Press, 1992), 237 pages.
- *The Economics of Defense* (with Keith Hartley), (Cambridge: Cambridge University Press, 1995), 400 pages. Republished in Japanese, Shoichi Fukaya translator (Tokyo: Nihon Hyoronsha Publishing Company, 1999); Republished in Chinese (Beijing: Beijing Institute of Technology Press, 2007).
- *The Theory of Externalities, Public Goods, and Club Goods*, Second Edition (with Richard Cornes), (New York: Cambridge University Press, 1996), 590 pages.
- *Global Challenges: An Approach to Environmental, Political, and Economic Problems* (Cambridge: Cambridge University Press, 1997), 234 pages.

- *The Political Economy of NATO: Past, Present, and Into the 21st Century* (with Keith Hartley), (Cambridge: Cambridge University Press, 1999), 292 pages.
- *The Future of Development Assistance: Common Pools and International Public Goods* (with Ravi Kanbur and Kevin Morrison) Overseas Development Council Policy Essay No. 25 (Washington, DC: Overseas Development Council, 1999), 106 pages.
- *Economic Concepts for the Social Sciences* (Cambridge: Cambridge University Press, September 2001), 298 pages. Republished in Chinese (Taiwan: Booklife Publishing Company, 2004). Republished in Russian (Moscow: Ves Mir Publishing, 2006).
- *Regional Public Goods: Typologies, Provision, Financing, and Development Assistance* (with Daniel G. Arce M.) (Stockholm: Almqvist and Wiksell, 2002), 102 pages.
- *Global Collective Action* (Cambridge: Cambridge University Press, 2004), 299 pages.
- *The Political Economy of Terrorism* (with Walter Enders) (Cambridge: Cambridge University Press 2006), 278 pages.
- *The Political Economy of Terrorism*, Second Edition (with Walter Enders), (Cambridge: Cambridge University Press, 2012).

Books – edited or co-edited

- *Public Goods and Public Policy* (edited with William Loehr), (Beverly Hills, California: Sage Publications, Inc., 1978), 240 pages.
- *The Theory and Structures of International Political Economy* (edited book), (Boulder, Colorado: Westview Press, 1980), 280 pages.
- *The Economics of Defence Spending: An International Survey* (edited with Keith Hartley), (London: Routledge, 1990), 285 pages.
- *Handbook of Defense Economics*, vol. 1 (co-edited book with Keith Hartley) (Amsterdam: North Holland, 1995), 606 pages. Republished in Chinese (Beijing: Economic Science Press, 2004).
- *Economics of Defence* (edited with Keith Hartley) Edward Elgar Critical Writings in Economics, 3 Volumes (Aldershot, UK: Edward Elgar, 2001), 1573 pages.
- *Economics of Conflict* (edited with Keith Hartley) Edward Elgar Critical Writings in Economics, 3 Volumes (Aldershot, UK: Edward Elgar, 2003), 2100 pages.
- *Handbook of Defense Economics*, vol. 2 (co-edited book with Keith Hartley) Amsterdam: North-Holland, 2007), 697 pages.

Special issues of journals – edited

- Editor of special issue of *Public Choice* on “The Many Faces of Counterterrorism,” Vol. 149, No. 3-4, December 2011
- Editor of special issue of *Journal of Peace Research* on “New Frontiers of Terrorism Research,” Vol. 48, No. 3, May 2011.
- Editor of special issue of *Journal of Conflict Resolution* on “Terrorism and Policy,” Vol. 54, No. 2, April 2010.
- Co-Editor of special issue of *Defence and Peace Economics* on “Security Challenges and Threats in a Post-9/11 World,” Vol. 16, No. 5, October 2005.

- Co-Editor of special issue of *Journal of Conflict Resolution* on “The Political Economy of Terrorism,” Vol. 49, No. 2, April 2005.
- Co-Editor of special issue of *Defence and Peace Economics* on “Internal and External Threats: Defence Economics Analysis,” Vol. 14, No. 6, December 2003.
- Co-Editor of special issue of *Defence and Peace Economics* on “Economic Analysis of Civil Wars,” Vol. 13, No. 6, December 2002.
- Guest Editor of special issue of *Journal of Conflict Resolution* on “Economic Analysis of Conflict,” Vol. 44, No. 6, December 2000.
- Co-Editor of Tenth Anniversary issue of *Defence and Peace Economics*, Vol. 11, No. 1, February 2000.
- Editor of special issue of *Defence Economics on Terrorism, Guerrilla Warfare, and Insurrections*, Vol. 3, No. 4, November 1992.
- Co-editor of *Journal of Conflict Resolution* for the June 1982 issue.

Journal articles – Refereed

- “A Two-Country Investment Accelerator Model,” *The Indian Journal of Economics*, Volume 53, No. 1, July 1972, pp. 1-11.
- “Fiscal Federalism, Spillovers and the Export of Taxes,” (with Robert B. Shelton), *Kyklos*, Volume 25, No. 4, 1972, pp. 736-753.
- “The Rybczynski Theorem, The Gains from Trade and Nonhomogeneous Utility Functions,” *Indian Economic Journal*, Volume 21, No. 1, July-September 1973, pp. 19-31.
- “Exchange Rate Systems, the Marginal Efficiency of Investment and Foreign Direct Capital Movements: A Comment,” *Kyklos*, Volume 26, No. 4, 1973, pp. 866-868.
- “Optimum Population: A Further Look,” (with Timothy D. Hogan), *Journal of Economic Theory*, Volume 6, No. 6, December 1973, pp. 582-584.
- “Devaluation, Capital Flows and the Balance of Payments: A Respecification,” *Weltwirtschaftliches Archiv.*, Volume 110, No. 2, June 1974, pp. 244-258.
- “The Short-Run Shifting of the Corporate Income Tax: A Theoretical Investigation,” (with Jon Cauley), *Public Finance*, Volume 29, No. 1, 1974, pp. 19-35.
- “A General Class of Production Functions with Nonlinear Isoclines: Comment,” (with A. Swimmer), *Southern Economic Journal*, Volume 41, No. 2, October 1974, pp. 307-308.
- “Public Goods Theory: Another Paradigm for Futures Research,” (with Jon Cauley), *Futures*, Volume 6, No. 5, October 1974, pp. 423-428.
- “Pareto Optimality, Pure Public Goods, Impure Public Goods, and Multiregional Spillovers,” *Scottish Journal of Political Economy*, Volume 22, No. 1, February 1975, pp. 25-38.
- “Devaluation, Capital Flows and the Balance of Payments: A Reply,” *Weltwirtschaftliches Archiv.*, Vol. 111, No. 1, March 1975, pp. 162-163.
- “On the Economic Theory of Alliances,” (with Jon Cauley), *Journal of Conflict Resolution*, Vol. 19, No. 2, June 1975, pp. 330-348.
- “The Challenge of Property Rights,” *Futures*, Vol. 7, No. 6, December 1975, pp. 523-525.

- “Intertemporal and Intergenerational Pareto Efficiency,” (with V. Kerry Smith), *Journal of Environmental Economics and Management*, Vol. 2, No. 3, 1976, pp. 151-159.
- “Fiscal Federalism, Spillovers, and the Export of Taxes: Reply,” (with Robert Shelton), *Kyklos*, Vol. 29, No. 2, 1976, pp. 315-316.
- “Multiregional Public Goods, Spillovers and the New Theory of Consumption,” (with Jon Cauley), *Public Finance*, Vol. 31, No. 3, 1976, pp. 376-395.
- “The Externality Argument for In-Kind Transfers: A Defense,” (with Ryan Amacher), *Kyklos*, Vol. 30, No. 2, 1977, pp. 293-296.
- “The Design of Supranational Structures: An Economic Perspective,” (with Jon Cauley), *International Studies Quarterly*, Vol. 21, No. 2, June 1977, pp. 251-276.
- “Intertemporal and Intergenerational Pareto Efficiency Revisited,” (with V. Kerry Smith), *Journal of Environmental Economics and Management*, Vol. 4, No. 3, September 1977, pp. 252-257.
- “Impurity of Defense: An Application to the Economics of Alliances,” *Kyklos*, Vol. 30, No. 3, 1977, pp. 443-460.
- “The Properties and Generation of Homothetic Production Functions: A Synthesis,” (with A. Swimmer), *Journal of Economic Theory*, Vol. 18, No. 2, August 1978, pp. 349-361.
- “Interregional and Intergenerational Spillover Awareness,” *Scottish Journal of Political Economy*, Vol. 25, No. 3, November 1978, pp. 273-284.
- “Public Goods and the Theory of Second Best,” *Public Finance*, Vol. 33, No. 3, 1978, pp. 330-344.
- “A Hierarchical Theory of the Firm,” (with Jon Cauley), *Scottish Journal of Political Economy*, Vol. 27, No. 1, February 1980, pp. 17-29.
- “Burden Sharing, Strategy, and the Design of NATO,” (with John Forbes), *Economic Inquiry*, Vol. 18, No. 3, July 1980, pp. 425-444. Republished in James M. Buchanan and Robert D. Tollison (eds.), *Theory of Public Choice - II* (Ann Arbor, MI: University of Michigan Press, 1984), pp. 338-357.
- “In Defense of a Collective Goods Theory of Alliances,” (with Jon Cauley and John Forbes), *Journal of Conflict Resolution*, Vol. 24, No. 3, September 1980, pp. 537-547.
- “A General Theory of Interpersonal Exchange,” (with Jon Cauley), *Public Choice*, Vol. 35, No. 5, 1980, pp. 587-606.
- “The Economic Theory of Clubs: An Evaluative Survey,” (with John Tschirhart), *Journal of Economic Literature*, Vol. 18, No. 4, December 1980, pp. 1481-1521.
- “The Economics of Outer Space,” (with William Schulze), *Natural Resources Journal*, Vol. 21, No. 2, April 1981, pp. 371-393.
- “On the Number and Membership Size of Consumer-Managed Firms,” (with John Tschirhart), *Southern Economic Journal*, Vol. 47, No. 4, April 1981, pp. 1086-1091.
- “The Social Rate of Discount for Nuclear Waste Storage: Economics or Ethics?” (with William Schulze, David Brookshire), *Natural Resources Journal*, Vol. 21, No. 4, October 1981, pp. 811-832.
- “A Theory of Intergenerational Clubs,” *Economic Inquiry*, Vol. 20, No. 2, April 1982, pp. 191-208.
- “A Theoretical and Empirical Analysis of NATO,” (with James Murdoch), *Journal of Conflict Resolution*, Vol. 26, No. 2, June 1982, pp. 237-263.

- “Joint Products and Multijurisdictional Spillovers,” (with A. J. Culyer), *Quarterly Journal of Economics*, Vol. 97, No. 4, November 1982, pp. 707-716.
- “Intertemporal and Intergenerational Pareto Efficiency: A Reconsideration of Recent Extensions,” (with V. Kerry Smith), *Journal of Environmental Economics and Management*, Vol. 9, No. 4, December 1982, pp. 361-365.
- “Joint Products and Interjurisdictional Spillovers: Some Public Goods Geometry,” (with A. J. Culyer), *Kyklos*, Vol. 35, No. 4, 1982, pp. 702-709.
- “A Theoretical Analysis of Transnational Terrorism,” (with John Tschirhart and Jon Cauley), *American Political Science Review*, Vol. 77, No. 1, March 1983, pp. 36-54. Republished in Rosemary O’Kane (ed.), *Terrorism* (Northampton, MA: Edward Elgar, 2005), pp. 444-462.
- “Toward a Unified Theory of Nonmarket Institutional Structures,” (with Jon Cauley and John Tschirhart), *Australian Economic Papers*, Vol. 42, June 1983, pp. 233-254.
- “On Commons and Tragedies,” (with Richard Cornes), *American Economic Review*, Vol. 73, No. 4, September 1983, pp. 787-792.
- “Club Optimality: Further Clarifications,” *Economics Letters*, Vol. 14, No. 1, 1984, pp. 61-65.
- “The Theory of Public Goods: Non-Nash Behavior,” (with Richard Cornes), *Journal of Public Economics*, Vol. 23, No. 3, April 1984, pp. 367-379.
- “Mixed Clubs: Further Observations,” (with John Tschirhart), *Journal of Public Economics*, Vol. 23, No. 3, April 1984, pp. 381-389.
- “Intertemporal Incentive Allocation in Simple Hierarchies,” (with David Nickerson), *Mathematical Social Sciences*, Vol. 7, No. 1, 1984, pp. 33-57.
- “Easy Riders, Joint Production, and Public Goods,” (with Richard Cornes), *Economic Journal*, Vol. 94, No. 3, September 1984, pp. 580-598.
- “Complementarity, Free Riding, and the Military Expenditures of NATO Allies,” (with James Murdoch), *Journal of Public Economics*, Vol. 25, No. 1-2, November 1984, pp. 83-101. Republished in Larry Neal (ed.), *The International Library of Macroeconomics and Financial History: War Finance*, Vol. 3 (Cheltenham, UK: Edward Elgar, 1994), pp. 539-557.
- “The Simple Analytics of Pure Public Good Provision,” (with Richard Cornes), *Economica*, Vol. 52, No. 1, February 1985, pp. 103-116.
- “Externalities, Expectations, and Pigouvian Taxes,” (with Richard Cornes), *Journal of Environmental Economics and Management*, Vol. 12, No. 1, March 1985, pp. 1-13.
- “On the Consistency of Conjectures with Public Goods,” (with Richard Cornes), *Journal of Public Economics*, Vol. 25, No. 1, June 1985, pp. 125-129.
- “Australian Demand for Military Expenditures: 1961-1979,” (with James Murdoch), *Australian Economic Papers*, Vol. 44, June 1985, pp. 142-153.
- “Uncertainty and Clubs,” (with Fred Sterbenz and John Tschirhart), *Economica*, Vol. 52, No. 4, November 1985, pp. 467-477.
- “Joint Supply and the Finance of Charitable Activity,” (with John Posnett), *Public Finance Quarterly*, Vol. 14, No. 2, April 1986, pp. 209-222.
- “The Commons and the Optimal Number of Firms,” (with Richard Cornes and Charles Mason), *Quarterly Journal of Economics*, Vol. 101, No. 3, August 1986, pp. 641-646.

- “The Political Economy of Scandinavian Neutrality,” (with James Murdoch), *Scandinavian Journal of Economics*, Vol. 88, No. 4, November 1986, pp. 583-603.
- “Nonmarket Institutional Structures: Conjectures, Distribution, and Efficiency,” (with Jon Cauley and Richard Cornes), *Public Finance*, Vol. 41, No. 2, 1986, pp. 153-172.
- “Terrorist Success in Hostage-Taking Incidents: An Empirical Study,” (with John Scott), *Journal of Conflict Resolution*, Vol. 31, No. 1, March 1987, pp. 35-53.
- “Terrorism in a Bargaining Framework,” (with Scott Atkinson and John Tschirhart), *Journal of Law and Economics*, Vol. 30, No. 1, April 1987, pp. 1-21. Republished in Isaac Ehrlich and Zhiqiang Liu, *The Economics of Crime* (Northampton, MA: Edward Elgar, 2006).
- “Cycles and Substitutions in Terrorist Activities: A Spectral Approach,” (with Eric Iksoon Im and Jon Cauley), *Kyklos*, Vol. 40, No. 2, 1987, pp. 238-255.
- “On Optimal Prices and Animal Consumers in Congested Markets,” *Economic Inquiry*, Vol. 25, No. 4, October 1987, pp. 715-720.
- “Free Riding and Uncertainty,” (with Frederic Sterbenz and John Posnett), *European Economic Review*, Vol. 31, No. 8, December 1987, pp. 1605-1617.
- “Expectations, the Commons, and Optimal Group Size,” (with Charles Mason and Richard Cornes), *Journal of Environmental Economics and Management*, Vol. 15, No.1, March 1988, pp. 99-110.
- “Sharing Burdens in NATO,” *Challenge*, Vol. 31, No. 2, March/April 1988, pp. 29-35.
- “To Bargain or Not to Bargain: That Is the Question,” (with Harvey Lapan), *American Economic Review*, Vol. 78, No. 2, May 1988, pp. 16-21.
- “The Calculus of Dissent: An Analysis of Terrorists' Choice of Targets,” (with Harvey Lapan), *Synthèse*, Vol. 76, No. 2, August 1988, pp. 245-261.
- “Fighting World War III: A Suggested Strategy,” (with Jon Cauley), *Terrorism: An International Journal*, Vol. 11, No. 3, Fall 1988, pp. 181-195.
- “Transfers, Transaction Costs, and Charitable Intermediaries,” (with John Posnett), *International Review of Law and Economics*, Vol 8, No. 4, December 1988, pp. 145-160.
- “Externalities, Pigouvian Corrections, and Risk Attitudes,” (with Frederic Sterbenz), *Journal of Environmental Economics and Management*, Vol. 15, No. 4, December 1988, pp. 488-504.
- “On the Optimal Retaliation Against Terrorists: The Paid-Rider Option,” (with Dwight Lee) *Public Choice*, Vol. 61, No. 2, 1989, pp. 141-152.
- “Public Goods, Growth, and Welfare,” (with Richard Cornes) *Social Choice and Welfare*, Vol. 6, No. 3, July 1989, pp. 243-251.
- “Demand for Charity Donations in Private Non-Profit Markets: The Case of the U.K.” (with John Posnett), *Journal of Public Economics*, Vol. 40, No. 2, November 1989, pp. 187-200.
- “On Distinguishing the Behavior of Nuclear and Non-Nuclear Allies in NATO,” (with Laurna Hansen and James Murdoch), *Defence Economics*, Vol. 1, No. 1, January 1990, pp. 37-55.
- “Harvest Uncertainty and the Tragedy of the Commons,” (with Frederic Sterbenz), *Journal of Environmental Economics and Management*, Vol. 18, No. 2, March 1990, pp. 155-167.

- “U.N. Conventions, Technology, and Retaliation in the Fight Against Terrorism: An Econometric Evaluation,” (with Walter Enders and Jon Cauley), *Terrorism and Political Violence*, Vol. 2, No. 1, Spring 1990, 83-105.
- “A Diagrammatic Approach for Teaching Some Aspects of Production-Cost Duality,” *Studies in Economic Analysis*, Vol. 12, No. 2, Fall 1990, pp. 32-42.
- “Nash-Cournot or Lindahl Behavior? An Empirical Test for the NATO Allies,” (with James Murdoch), *Quarterly Journal of Economics*, Vol. 105, No. 4, November 1990, pp. 875-894.
- “The Triple Entente and the Triple Alliance, 1890-1914: A Collective Goods Approach,” (with John A. C. Conybeare) *American Political Science Review*, Vol. 84, No. 4, December 1990, pp. 1197-1206.
- “Assessing the Impact of Terrorist-Thwarting Policies: An Intervention Time Series Approach,” (with Walter Enders and Jon Cauley), *Defence Economics*, Vol. 2, No. 1, December 1990, pp. 1-18.
- “Economic Analysis Can Help Fight International Terrorism,” (with Walter Enders and Harvey Lapan), *Challenge*, Vol. 34, No. 1, January/February 1991, pp. 10-17. Republished in Bernard Schechterman and Martin Slann (eds.), *Violence and Terrorism*, Annual Editions, Third Edition (Sluice Dock, CT: Dushkin Publishing Group, 1993), pp. 192-199.
- “The Private Provision of Public Goods: A Perspective on Neutrality,” (with John Posnett), *Public Finance Quarterly*, Vol. 19, No. 1, January 1991, pp. 22-42.
- “The Causality Between Transnational Terrorism and Tourism: The Case of Spain,” (with Walter Enders), *Terrorism: An International Journal*, Vol. 14, No. 1, January-March 1991, pp. 49-58.
- “NATO Burden Sharing and the Forces of Change: Further Observations,” (with James Murdoch), *International Studies Quarterly*, Vol. 35, No. 1, March 1991, pp. 109-114.
- “An Econometric Technique for Comparing Median Voter and Oligarchy Choice Models of Collective Action: The Case of the NATO Alliance,” (with James Murdoch and Laurna Hansen), *Review of Economics and Statistics*, Vol. 73, No. 4, November 1991, pp. 624-631.
- “Sharing Among Clubs: A Club of Clubs Theory,” (with Frederic Sterbenz), *Oxford Economic Papers*, Vol. 44, No. 1, January 1992, pp. 1-19.
- “Agency Theory and the Chinese Enterprise Under Reform,” (with Jon Cauley), *China Economic Review*, Vol. 3, No. 1, Spring 1992, pp. 39-56. Republished in Chinese in *Economic Science*, No. 3, 1993, pp. 47-56.
- “After the Cold War, Secure the Global Commons,” *Challenge*, Vol. 35, No. 4, July/August 1992, pp. 16-23.
- “Controlling Stock Externalities: Flexible Versus Inflexible Pigovian Corrections,” (with Il-Dong Ko and Harvey Lapan), *European Economic Review*, Vol. 36, No. 6, August 1992, pp. 1263-1276.
- “A Time-Series Analysis of Transnational Terrorism: Trends and Cycles,” (with Walter Enders and Gerald Parise), *Defence Economics*, Vol. 3, No. 4, November 1992, pp. 305-320.
- “An Econometric Analysis of the Impact of Terrorism on Tourism,” (with Walter Enders and Gerald Parise), *Kyklos*, Vol. 45, No. 4, 1992, pp. 531-554.

- “Tropical Deforestation: Markets and Market Failures,” *Land Economics*, Vol. 69, No. 3, August 1993, pp. 225-233.
- “Multiproduct Clubs: Membership and Sustainability,” (with John Tschirhart), *Public Finance*, Vol. 48, No. 2, 1993, pp. 153-170.
- “The Economic Theory of Alliances: A Survey,” *Journal of Conflict Resolution*, Vol. 37, No. 3, September 1993, pp. 446-483.
- “Terrorism and Signalling,” (with Harvey E. Lapan), *European Journal of Political Economy*, Vol. 9, No. 3, 1993, pp. 383-397.
- “State-Sponsored Violence As a Tragedy of the Commons: England's Privateering Wars with France and Spain, 1625-1630,” (with John A. C. Conybeare), *Public Choice*, Vol. 77, No. 4, December 1993, pp. 879-897.
- “The Effectiveness of Anti-Terrorism Policies: A VAR-Intervention Analysis,” (with Walter Enders), *American Political Science Review*, Vol. 87, No. 4, December 1993, pp. 829-844. An abbreviated version was republished in *Terrorism, Violence, and Insurrections*, Vol. 11, No. 3, Summer 1995, pp. 1-5. Republished in *War on Terrorism*, edited by Alan O’Day (Aldershot, UK: Ashgate, 2004), pp. 401-416. Republished in *Psychology of Terrorism: Classic and Contemporary Insights*, edited by Jeff Victoroff and Arie W. Kruglanski (NY: Psychology Press, 2009).
- “Rent Seeking and Pesticide Legislation,” (with Sherry Wise), *Public Choice*, Vol. 78, No. 3-4, March 1994, pp. 329-350.
- “Agricultural Research Expenditures in the U.S.: A Public Goods Perspective,” (with Jyoti Khanna and Wallace Huffman), *Review of Economics and Statistics*, Vol. 76, No. 2, May 1994, pp. 267-277.
- “The Comparative Static Properties of the Impure Public Good Model,” (with Richard Cornes), *Journal of Public Economics*, Vol. 54, No. 3, July 1994, pp. 403-421.
- “Are Public Goods Myths?,” (with Richard Cornes) *Journal of Theoretical Politics*, Vol. 6, No. 3, 1994, pp. 369-385.
- “Alternative Collective-Goods Models of Military Alliances: Theory and Empirics,” (with John A. C. Conybeare and James Murdoch), *Economic Inquiry*, Vol. 32, No. 4, October 1994, pp. 525-542.
- “Growth and Defense: Pooled Estimates for the NATO Alliance, 1951-1988,” (with Elizabeth S. Macnair, James C. Murdoch and Chung-Ron Pi), *Southern Economic Journal*, Vol. 61, No. 3, January 1995, pp. 846-860.
- “Charity Donations in the U.K.: New Evidence Based on Panel Data,” (with Jyoti Khanna and John Posnett), *Journal of Public Economics*, Vol. 56, No. 2, February 1995, pp. 257-272. Republished in *The Economics of Nonprofit Enterprises* edited by Richard Steinberg (Northampton, MA: Edward Elgar, 2005).
- “Privateering, State-Sponsored Violence as a Tragedy of the Commons: A Reply,” (with John A. C. Conybeare), *Public Choice*, Vol. 82, No. 3-4, March 1995, pp. 363-364.
- “Management of Transnational Commons: Coordination, Publicness, and Treaty Formation,” (with Keith Sargent), *Land Economics*, Vol. 71, No. 2, May 1995, pp. 145-162. Republished in *Governing the Global Environment* edited by Carlo Carraro (Cheltenham, UK: Edward Elgar, 2003).
- “On the Relationship between Democracy and Terrorism,” *Terrorism and Political Violence*, Vol. 7, No. 4, Winter 1995, pp. 1-9.

- “NATO Burden Sharing: 1960-1992,” (with Jyoti Khanna), *Defence and Peace Economics*, Vol. 7, No. 2, May 1996, pp. 115-133.
- “Terrorism and Foreign Direct Investment in Spain and Greece,” (with Walter Enders), *Kyklos*, Vol. 49, No. 3, 1996, pp. 331-352.
- “A Multiproduct Club Approach to Transportation Infrastructure Pricing,” (with Michael A. Lipsman), *Public Finance*, Vol. 51, No. 4, Supplement 1996, pp. 453-472.
- “The Voluntary Provision of a Pure Public Good: The Case of Reduced CFC Emissions and the Montreal Protocol,” (with James C. Murdoch), *Journal of Public Economics*, Vol. 63, No. 2, February 1997, pp. 331-349. Republished in *The Political Economy of Environmental Regulation* edited by Robert N. Stavins (Northampton, MA: Edward Elgar, 2004).
- “Voluntary Cutbacks and Pre-Treaty Behavior: The Helsinki Protocol and Sulfur Emissions,” (with James C. Murdoch), *Public Finance Review*, Vol. 25, No. 2, March 1997, pp. 139-162.
- “Conscription, Peacekeeping, and Foreign Assistance: NATO Burden Sharing in the Post-Cold War Era,” (with Jyoti Khanna), *Defence and Peace Economics*, Vol. 8, No. 1, March 1997, pp. 101-121.
- “The Impact of Defense and Nondefense Public Spending on Growth in Asia and Latin America,” (with James C. Murdoch and Chung-Ron Pi), *Defence and Peace Economics*, Vol. 8, No. 2, April 1997, pp. 205-224.
- “A Tale of Two Collectives: Sulfur Versus Nitrogen Oxides Emission Reduction in Europe,” (with James C. Murdoch and Keith Sargent), *Economica*, Vol. 64, No. 2, May 1997, pp. 281-301.
- “Collective Action and Tropical Deforestation,” *International Journal of Social Economics*, Vol. 24, No. 7-9, 1997, pp. 741-760.
- “The Future Challenges of NATO: An Economic Viewpoint,” *Defence and Peace Economics*, Vol. 8, No. 4, November 1997, pp. 319-353.
- “Club Theory: Thirty Years Later,” (with John Tschirhart), *Public Choice*, Vol. 93, No.3-4, December 1997, pp. 335-355.
- “The Intergenerational Case of Missing Markets and Missing Voters,” (with Jacobus A. Doeleman), *Land Economics*, Vol. 74, No. 1, February 1998, pp. 1-15.
- “Sharing the Financial Burden for UN and NATO Peacekeeping: 1976-96,” (with Jyoti Khanna and Hirofumi Shimizu), *Journal of Conflict Resolution*, Vol. 42, No. 2, April 1998, pp. 176-195.
- “When Does Partial Cooperation Pay?,” (with Wolfgang Buchholz and Christian Haslbeck), *Finanzarchiv*, Vol. 55, No. 1, 1998, pp. 1-20.
- “Global and Regional Public Goods: A Prognosis for Collective Action,” *Fiscal Studies*, Vol. 19, No. 3, August 1998, pp. 221-247.
- “Transnational Terrorism in the Post-Cold War Era,” (with Walter Enders), *International Studies Quarterly*, Vol. 43, No. 1, March 1999, pp. 145-167. Republished in *Dimensions of Terrorism* edited by Alan O’Day (Aldershot, UK: Ashgate, 2004), pp. 475-497.
- “The Demand for UN Peacekeeping, 1975-96,” (with Jyoti Khanna and Hirofumi Shimizu), *Kyklos*, Vol. 52, No. 3, 1999, pp. 345-68.

- “Equilibrium Existence and Uniqueness in Public Good Models: An Elementary Proof via Contraction,” (with Richard Cornes and Roger Hartley), *Journal of Public Economic Theory*, Vol. 1, No. 4, October 1999, pp. 499-509.
- “NATO Burden Sharing: Past and Future,” (with Keith Hartley), *Journal of Peace Research*, Vol. 36, No. 6, November 1999, pp. 665-680.
- “Stakeholder Incentives and Reforms in China’s State-Owned Enterprises: A Common-Property Theory,” (with Jon Cauley and Richard Cornes), *China Economic Review*, Vol. 10, No. 2, Fall 1999, pp. 191-206.
- “Alliance Formation, Alliance Expansion, and the Core,” *Journal of Conflict Resolution*, Vol. 43, No. 6, December 1999, pp. 727-747. Republished in *Arms Trade, Security and Conflict*, edited by Paul Levine and Ron Smith (London: Routledge, 2003), pp. 137-157.
- “Defence and Peace Economics: A Ten-Year Retrospective,” (with Keith Hartley), *Defence and Peace Economics*, Vol. 11, No. 1, February 2000, pp. 1-16.
- “Pareto-Improving Redistribution and Pure Public Goods,” (with Richard Cornes), *German Economic Review*, Vol. 1, No. 2, May 2000, pp. 169-186.
- “Is Transnational Terrorism Becoming More Threatening? A Time-Series Investigation,” (with Walter Enders), *Journal of Conflict Resolution*, Vol. 44, No. 3, June 2000, pp. 307-332.
- “Partners in Giving: The Crowding-In Effects of UK Government Grants,” (with Jyoti Khanna), *European Economic Review*, Vol. 44, No. 8, August 2000, pp. 1543-1556.
- “Arms Trade, Arms Control and Security: Collective Action Issues,” *Defence and Peace Economics*, Vol. 11, No. 5, September 2000, pp. 533-548. Republished in *Arms Trade, Security and Conflict*, edited by Paul Levine and Ron Smith (London: Routledge, 2003), pp. 209-220.
- “On Sharing NATO Defense Burdens in the 1990s and Beyond,” (with James C. Murdoch), *Fiscal Studies*, Vol. 21, No. 3, September 2000, pp. 297-327. Republished in *The Economics of Public Spending*, edited by David Miles, Gareth Myles, and Ian Preston (Oxford: Oxford University Press, 2003), pp. 237-266.
- “Economic Analysis of Conflict,” *Journal of Conflict Resolution*, Vol. 44, No. 6, December 2000, pp. 723-729.
- “Models of Alliances: Internalizing Externalities and Financing,” (with Kevin Siqueira), *Defence and Peace Economics*, Vol. 12, No. 3, May 2001, pp. 249-270.
- “Transnational Public Goods: Strategies and Institutions,” (with Daniel G. Arce M.), *European Journal of Political Economy*, Vol. 17, No. 3, September 2001, pp. 493-516.
- “Economics of Alliances: The Lessons of Collective Action,” (with Keith Hartley), *Journal of Economic Literature*, Vol. 39, No. 3, September 2001, pp. 869-896.
- “A Cooperative Game Theory of Noncontiguous Allies,” (with Daniel G. Arce M.), *Journal of Public Economic Theory*, Vol. 3, No. 4, October 2001, pp. 391-411.
- “Weakest-Link Public Goods: Giving In-Kind or Transferring Money in a Sequential Game,” (with Simon Vicary), *Economics Letters*, Vol. 74, No. 1, 2001, pp. 71-75.
- “Agency Cost and the Crisis of China's SOEs: A Comment and Further Observations,” (with Jon Cauley), *China Economic Review*, Vol. 12, No. 4, 2001, pp. 293-297.
- “Economic Growth, Civil Wars, and Spatial Spillovers,” (with James C. Murdoch), *Journal of Conflict Resolution*, Vol. 46, No. 1, February 2002, pp. 91-110.

- “Patterns of Transnational Terrorism, 1970-99: Alternative Time Series Estimates,” (with Walter Enders), *International Studies Quarterly*, Vol. 46, No. 2, June 2002, pp. 145-165.
- “A Conceptual Framework for Understanding Global and Transnational Public Goods for Health,” (with Daniel G. Arce M.), *Fiscal Studies*, Vol. 23, No. 2, June 2002, pp. 195-222.
- “Weakest-Link Public Goods: Giving In-Kind or Transferring Money,” (with Simon Vicary), *European Economic Review*, Vol. 46, No. 8, October 2002, pp. 1501-1520.
- “Peacekeeping and Burden Sharing: 1994-2000,” (with Hirofumi Shimizu), *Journal of Peace Research*, Vol. 39, No. 6, November 2002, pp. 651-668.
- “Economic Analysis of Civil Wars,” (with Håvard Hegre), *Defence and Peace Economics*, Vol. 13, No. 6, December 2002, pp. 429-433.
- “Civil Wars and Economic Growth: A Regional Comparison,” (with James C. Murdoch), *Defence and Peace Economics*, Vol. 13, No. 6, December 2002, pp. 451-464.
- “The Participation Decision Versus the Level of Participation in an Environmental Treaty: A Spatial Probit Analysis,” (with James C. Murdoch and Wim Vijverberg), *Journal of Public Economics*, Vol. 87, No. 2, February 2003, pp. 337-362.
- “An Evolutionary Game Approach to Fundamentalism and Conflict,” (with Daniel G. Arce M.), *Journal of Institutional and Theoretical Economics*, Vol. 159, No. 1, March 2003, pp. 132-154.
- “NATO Peacekeeping and Burden Sharing: 1994-2000,” (with Hirofumi Shimizu), *Public Finance Review*, Vol. 31, No. 2, March 2003, pp. 123-143.
- “Health-Promoting Alliances,” (with Daniel G. Arce M.), *European Journal of Political Economy*, Vol. 19, No. 2, June 2003, pp. 355-375.
- “Collective Action and Transnational Terrorism,” *World Economy*, Vol. 26, No. 6, June 2003, pp. 779-802.
- “Pure Public Goods versus Commons: Benefit-Cost Duality,” (with Daniel G. Arce M.), *Land Economics*, Vol. 79, No. 3, August 2003, pp. 355-368.
- “Terrorism and Game Theory,” (with Daniel G. Arce M.), *Simulation & Gaming*, Vol. 34, No. 3, September 2003, pp. 319-337.
- “The Future of the Defence Firm,” (with Keith Hartley), *Kyklos*, Vol. 56, No. 3, 2003, pp. 361-380.
- “Civil Wars and Economic Growth: Spatial Dispersion,” (with James C. Murdoch), *American Journal of Political Science*, Vol. 48, No.1, January 2004, pp. 138-151.
- “Collective Goods, Common Agency, and Third-Party Intervention,” (with Kevin Siqueira), *Bulletin of Economic Research*, Vol. 56, No.1, January 2004, pp. 1-20.
- “An Economic Perspective on Transnational Terrorism,” (with Walter Enders), *European Journal of Political Economy*, Vol. 20, No. 2, June 2004, pp. 301-316. Republished in *The Economic Analysis of Terrorism*, edited by Tilman Brück (Abingdon, UK: Routledge, 2007), pp. 13-28.
- “Too Much of a Good Thing? The Proactive Response Dilemma,” (with B. Peter Rosendorff), *Journal of Conflict Resolution*, Vol. 48, No. 5, October 2004, pp. 657-671.
- “Transnational Terrorism 1968-2000: Thresholds, Persistence, and Forecasts,” (with Walter Enders), *Southern Economic Journal*, Vol. 71, No. 3, January 2005, pp. 467-483.
- “The Dilemmas of the Prisoners’ Dilemmas,” (with Daniel G. Arce M.), *Kyklos*, Vol. 58, No. 1, January 2005, pp. 3-24.

- “September 11 and Its Aftermath,” (with Walter Enders), *International Studies Review*, Vol. 7, No. 1, March 2005, pp. 65-168.
- “Counterterrorism: A Game-Theoretic Analysis,” (with Daniel G. Arce M.), *Journal of Conflict Resolution*, Vol. 49, No. 2, April 2005, pp. 83-200.
- “After 9/11: Is It All Different Now?” (with Walter Enders), *Journal of Conflict Resolution*, Vol. 49, No. 2, April 2005, pp. 259-277.
- “Collective versus Unilateral Responses to Terrorism,” *Public Choice*, Vol. 124, No. 1, July 2005, pp. 75-93.
- “NATO Benefits, Burdens, and Borders: Comment,” *Defence and Peace Economics*, Vol. 16, No. 4, August 2005, pp. 317-321.
- “Donors’ Mechanisms for Financing International and National Public Goods: Loan or Grants?,” (with Raechelle Mascarenhas), *World Economy*, Vol. 28, No. 8, August 2005, pp. 1095-1117.
- “Regional Public Goods and International Organizations,” *Review of International Organizations*, Vol. 1, No. 1, March 2006, pp. 5-25.
- “Distribution of Transnational Terrorism among Countries by Income Classes and Geography after 9/11,” (with Walter Enders), *International Studies Quarterly*, Vol. 50, No. 2, June 2006, pp. 367-393.
- “CBRN Incidents: Political Regimes, Perpetrators, and Targets,” (with Kate Ivanova), *Terrorism and Political Violence*, Vol. 18, No. 3, Fall 2006, pp. 423-448.
- “Global Terrorism: Deterrence versus Preemption,” (with Kevin Siqueira), *Canadian Journal of Economics*, Vol. 50, No. 4, November 2006, pp. 1370-1387.
- “Do Donors Cooperatively Fund Foreign Aid?,” (with Raechelle Mascarenhas), *Review of International Organizations*, Vol. 1, No. 4, 2006, pp. 337-357.
- “The Impact of Transnational Terrorism on US Foreign Direct Investment,” (with Walter Enders and Adolfo Sachsida), *Political Research Quarterly*, Vol. 59, No. 4, December 2006, pp. 517-531.
- “Terrorists Versus the Government: Strategic Interaction, Support, and Sponsorship,” (with Kevin Siqueira), *Journal of Conflict Resolution*, Vol. 50, No. 6, December 2006, pp. 878-898.
- “Hirshleifer’s Social Composition Function in Defense Economics.” *Defence and Peace Economics*, Vol. 18, No. 6, December 2006, pp. 645-655.
- “New Face of Development Assistance: Public Goods and Changing Ethics,” (with Daniel G. Arce), *Journal of International Development*, Vol. 19, No. 4, May 2007, pp. 527-544. Republished in *Reflexive Governance for Global Public Goods*, edited by Eric Brousseau, Tom Dedeurwaerdere, and Bernd Siebenhüner (Cambridge, MA: MIT Press) forthcoming 2009.
- “Applying Analytical Methods to Study Terrorism,” (with Walter Enders), *International Studies Perspectives*, Vol. 8, No. 3, August 2007, pp. 287-302.
- “Terrorist Backlash, Terrorism Mitigation, and Policy Delegation,” (with Kevin Siqueira), *Journal of Public Economics*, Vol. 91, No. 9, September 2007, pp. 1800-1815.
- “CBRN Attack Perpetrators: An Empirical Study,” (with Kate Ivanova) *Foreign Policy Analysis*, Vol. 3, No. 4, October 2007, pp. 273-294.
- “Terrorist Signalling and the Value of Intelligence,” (with Daniel G. Arce) *British Journal of Political Science*, Vol. 37, No. 4, October 2007, pp. 573-586.

- “Treaties: Strategic Considerations,” *University of Illinois Law Review*, Vol. 2008, No. 1, January 2008, pp. 155-179.
- “Growth Consequences of Terrorism in Western Europe,” (with Khusrav Gaibulloev), *Kyklos*, Vol. 61, No. 3, 2008, pp. 411-424.
- “IMF Retrospective and Prospective: A Public Goods Viewpoint,” (with Joseph P. Joyce), *Review of International Organizations*, Vol. 3, No. 3, September 2008, pp. 221-238.
- “Defensive Counterterrorism Measures and Domestic Politics,” (with Kevin Siqueira), *Defence and Peace Economics*, Vol. 19, No. 6, December 2008, pp. 405-413.
- “The Voluntary Provision of a Pure Public Good and the Montreal Protocol: Behavioral and Data Concerns,” (with James C. Murdoch), *Oxford Economic Papers*, Vol. 61, No. 1, January 2009, pp. 197-200.
- “9/11: What Did We Know and When Did We Know It,” (with Walter Enders and Beom S. Lee), *Defence and Peace Economics*, Vol. 20, No. 2, April 2009, pp. 79-93.
- “Games and Terrorism: Recent Developments,” (with Kevin Siqueira), *Simulation & Gaming*, Vol. 40, No. 2, April 2009, pp. 164-192.
- “Common Agency and State-Owned Enterprise Reform,” (with Kevin Siqueira and Jon Cauley), *China Economic Review*, Vol. 20, No. 2, June 2009, pp. 208-217.
- “Intergenerational Public Goods: Transnational Considerations,” *Scottish Journal of Political Economy*, Vol. 56, No. 3, July 2009, pp. 353-370.
- “Fitting In: Group Effects and the Evolution of Fundamentalism,” (with Daniel G. Arce), *Journal of Policy Modeling*, Vol. 31, No. 5, Sept.-Oct. 2009, pp. 739-757.
- “Hostage Taking: Understanding Terrorism Event Dynamics,” (with Patrick Brandt), *Journal of Policy Modeling*, Vol. 31, No. 5, Sept.-Oct. 2009, pp.758-778.
- “The Past and Future of Terrorism Research,” *Revista de Economía Aplicada*, Vol. 50, No. 3, Autumn 2009, pp. 5-25.
- “Protocolo de Kyoto: Dificultades para la Acción Colectiva,” *Papeles de Economía Española*, No. 120, October 2009, pp. 14-25.
- “The Impact of Terrorism and Conflicts on Growth in Asia,” (with Khusrav Gaibulloev), *Economics and Politics*, Vol. 21, No. 3, November 2009, pp. 359-383.
- “Deterrence: Credibility and Proportionality,” (with Daniel G. Arce), *Economics and Politics*, Vol. 21, No. 3, November 2009, pp. 384-408.
- “Hostage Taking: Determinants of Terrorist Logistical and Negotiation Success,” (with Khusrav Gaibulloev), *Journal of Peace Research*, Vol. 46, No. 6, November 2009, pp. 739-756.
- “Demands for UN and non-UN Peacekeeping: Non-voluntary Versus Voluntary Contributions to a Public Good,” (with Khusrav Gaibulloev and Hirofumi Shimizu), *Journal of Conflict Resolution*, Vol. 53, No. 6, December 2009, pp. 827-852.
- “Terrorist Networks, Support, and Delegation,” (with Kevin Siqueira) *Public Choice*, Vol. 142, No. 1-2, January-February 2010, pp. 237-253.
- “Overcoming Global and Regional Collective Action Impediments,” *Journal of Global Policy*, Vol. 1, No. 1, January 2010, pp. 40-50.
- “What Do Transnational Terrorists Target? Has It Changed? Are We Safer?,” (with Patrick Brandt), *Journal of Conflict Resolution*, Vol. 54, No. 2, April 2010, pp. 214-236.

- “Terrorist Spectaculars: Backlash Attacks and the Focus of Intelligence,” (with Daniel G. Arce), *Journal of Conflict Resolution*, Vol. 54, No. 2, April 2010, pp. 354-373.
- “Common-Property Resources: Privatization, Centralization, and Hybrid Arrangements,” *Public Choice*, Vol. 110, No. 3-4, June 2010, pp. 317-324.
- “Terrorism Shocks: Domestic Versus Transnational Responses,” *Studies in Conflict & Terrorism*, Vol. 33, No. 10, October 2010, pp. 893-910.
- “Recent Peacekeeping Burden Sharing,” (with Hirofumi Shimizu), *Applied Economics Letters*, Vol. 17, No. 15, October 2010, pp. 1479-1484.
- “Suicide Terrorism and the Backlash Effect,” (with B. Peter Rosendorff), *Defence and Peace Economics*, Vol. 20, No. 5-6, December 2010, pp. 443-457.
- “The Interplay between Preemptive and Defensive Counterterrorism Measures: A Two-Stage Game,” (with Subhayu Bandyopadhyay), *Economica*, Vol. 78, No.3, July 2011, pp. 546-564.
- “An Evaluation of INTERPOL’s Cooperative-Based Counterterrorism Linkages,” (with Daniel G. Arce and Walter Enders), *Journal of Law and Economics*, Vol. 54, No. 1, February 2011, 79-110.
- “Foreign Aid as Counterterrorism Policy,” (with Subhayu Bandyopadhyay and Javed Younas), *Oxford Economic Papers*, Vol. 63, No. 3, July 2011, pp. 423-447.
- “The Adverse Effect of Transnational and Domestic Terrorism on Growth in Africa,” (with Khusrav Gaibulloev), *Journal of Peace Research*, Vol. 48, No. 3, May 2011, pp. 355-371.
- “Domestic versus Transnational Terrorism: Data, Decomposition, and Dynamics,” (Walter Enders and Khusrav Gaibulloev), *Journal of Peace Research*, Vol. 48, No. 3, May 2011, pp. 319-337.
- “Assessing the Evolving Threat of Terrorism,” (with Khusrav Gaibulloev and Charlinda Santifort) *Global Policy*, Vol. 3, May 2012, forthcoming.
- “Aid for AIDS in Africa,” (with Khusrav Gaibulloev) *Empirical Economics*, forthcoming 2012 or 2013.

Journal articles – Non-refereed

- “Devaluation: An Analysis and Some Timely Questions,” *Arizona Business*, Volume 19, No. 2, February 1972, pp. 18-24.
- “The Dynamic Price Expectation Effect of Devaluation,” (with Nobuo Minabe), *Osaka City University Economic Review*, January 1973, No. 8, pp. 13-23.
- “International Monetary Reforms,” *Arizona Business*, Volume 20, No. 1, January 1973, pp. 17-24.
- “Dollars, Deficits, and Devaluation,” (with Elmer Gooding), *Arizona Business*, Volume 20, No. 5, May 1973, pp. 10-16.
- “The Demand for International Reserves: A Respecification,” (with Shigeo Minabe), *The Hikone Ronso*, No. 29, August 1973, pp. 1-11.

- “Domestic and International Policy Implications of the Inflation-Unemployment Trade-Off,” (with Phil Graves), *Akron Business and Economic Review*, Volume 5, No. 2, Summer 1974, pp. 9-14.
- “Outer Space: The New Market Frontier,” (with William Schulze), *Economic Affairs*, Vol. 5, No. 4, July-September 1985, pp. 6-10.
- “Britain, Europe, and the Atlantic Alliance,” Institute of Economic Affairs, *IEA Inquiry Paper* No. 10, London: IEA, September 1989.
- “On Terrorism, Guerrilla Warfare, and Insurrections,” *Defence Economics*, Vol. 3, No. 4, November 1992, pp. 259-261.
- “The Future of NATO,” *Economic Affairs*, Vol. 17(4), December 1997, pp. 15-21.
- “Os Desafios à NATO na região do Mediterrâneo e em outras Áreas,” *Economia & Defesa*, Vol. 90, No. 2, Summer 1999, pp. 35-62.
- “A Radical Approach to Development Assistance,” (with Ravi Kanbur and Kevin M. Morrison), *Development Outreach*, Vol. 1, No. 2, Fall 1999, pp. 15-17.
- “On Partnerships, CDF, and Collective Action,” posted at World Bank website: http://www.worldbank.org/html/oed/topics/cdfproceedings/pdfs/annex_sandler.pdf.
- “Understanding Global Public Goods,” *OECD Observer*, No. 228, September 2001, pp. 15-17.
- “What Economics Tells Us to Prevent Terrorism,” An Interview in *Challenge*, Vol. 45, No. 3, May/June 2002, pp. 5-12.
- “Terrorism and Game Theory, An Interview,” *Swiss Military Review*, No. 12, December 2002, pp. 4-5.
- “Economic Analysis of Civil Wars,” (with Håvard Hegre), *Defence and Peace Economics*, Vol. 13, No. 6, December 2003, pp. 429-433.
- “Internal and External Threats: Defence Economic Analysis,” (with Carlos Pestana Barros), *Defence and Peace Economics*, Vol. 14, No. 6, December 2003, pp. 385-388.
- “The Political Economy of Transnational Terrorism,” (with B. Peter Rosendorff), *Journal of Conflict Resolution*, Vol. 49, No. 2, April 2005, pp. 171-182.
- “Introduction: Security Challenges and Threats in a Post-9/11 World,” (with Carlos P. Barros and Christos Kollias), *Defence and Peace Economics*, Vol. 16, No. 5, October 2005, pp. 327-329.
- “Research Note: Using ITERATE and DOTS Database,” (with Peter A. Flemming and Edward Mickolus), *Journal of Strategic Security*, Vol. 1, No. 1, November 2008, pp. 57-75.
- “Terrorism and Policy: Introduction,” *Journal of Conflict Resolution*, Vol. 54, No. 2, April 2010, pp. 203-213.
- “New Frontiers of Terrorism Research: Introduction,” *Journal of Peace Research*, Vol. 48, No. 3, May 2011, pp. 279-286.
- “The Many Faces of Counterterrorism,” *Public Choice*, Vol. 149, No. 3-4, December 2011, pp. 225-234.

Articles appearing as chapters in edited volumes.

- “The Economic Theory of Alliances: Realigned,” in C. Liske, W. Loehr, J. McCamant (eds.), *Comparative Public Policy: Issues, Theories, and Methods*. (New York: John Wiley & Sons, 1975), pp. 223-239.
- “On the Public Character of Goods,” (with William Loehr), in W. Loehr and T. Sandler (eds.), *Public Goods and Public Policy* (Beverly Hills, California: Sage Publications, Inc., 1978), pp. 11-37.
- “Explorations in the Economics of Outer Space,” (with William Schulze), in Todd Sandler (ed.), *The Theory and Structures of International Political Economy* (Boulder, Colorado: Westview Press, 1980), pp. 175-195.
- “Defense Burdens and Prospects for the Northern European Allies,” (with James Murdoch), in David Denoon (ed.), *Constraints on Strategy: The Economics of Western Security* (New York: Pergamon-Brassey, 1986), pp. 59-113.
- “Economic Methods and the Study of Terrorism,” (with Scott Atkinson et al.), in Paul Wilkinson and A. W. Stewart (eds.), *Contemporary Research on Terrorism* (Aberdeen, Scotland: Aberdeen University Press, 1987), pp. 376-389.
- “Swedish Military Expenditures and Armed Neutrality,” (with James Murdoch), in Keith Hartley and Todd Sandler (eds.), *The Economics of Defence Spending: An International Survey* (London: Routledge, 1990), pp. 148-176.
- “Terrorism: Theory and Applications,” (with Walter Enders) in Keith Hartley and Todd Sandler (eds.), *Handbook of Defense Economics* (Amsterdam: North-Holland, 1995), pp. 213-249.
- “A Game-Theoretic Analysis of Carbon Emissions,” in Roger Congleton (ed.), *The Political Economy of Environmental Protection: Analysis and Evidence* (Ann Arbor: University of Michigan Press, 1996), pp. 251-272.
- “Intergenerational Public Goods: Strategies, Efficiency and Institutions,” in Inge Kaul, Isabelle Grunberg, and Marc A. Stern (eds.), *Global Public Goods: International Cooperation in the Twenty-First Century* (New York: Oxford University Press, 1999), pp. 20-50. Republished in *Governing the Global Environment*, edited by Carlo Carraro (Cheltenham, UK: Edward Elgar, 2003), pp. 104-134.
- “Challenges to NATO in the Mediterranean and Beyond,” in Jurgen Brauer and Keith Hartley (eds.), *The Economics of Regional Security: NATO, The Mediterranean, and Southern Africa* (Reading, UK: Harwood Academic Publishers, 2000), pp. 71-92.
- “Financing Global and International Public Goods,” in Christopher D. Gerrard, Marco Ferroni, and Ashoka Mody (eds.), *Global Public Policies and Programs: Implications for Financing and Evaluation* (Washington, DC: Operations Evaluation Department, World Bank, 2001), pp. 183-192.
- “On Financing Global and International Public Goods,” in Marco Ferroni and Ashoka Mody (eds.), *International Public Goods: Incentives, Measurement, and Financing* (Dordrecht, NL: Kluwer, 2002), pp. 81-117.
- “Nash, Game Theory, and Global Challenges,” in Constantina Kottaridi and Gregorios Siourounis (eds.), *Game Theory: A Festschrift in Honor of John F. Nash Jr.* (published in Greek, Athens: Eurasia Publications, 2002), pp. 148-152.
- “Assessing the Optimal Provision of Public Goods: In Search of the Holy Grail,” in Inge Kaul, Pedro Conceição, Katell Le Goulven, and Ronald U. Mendoza (eds.), *Providing Global Public Goods: Managing Globalization* (New York: Oxford University Press, 2002), pp. 131-151.

- “Global Challenges and the Need for Supranational Infrastructure,” in Omar Azfar and Charles Cadwell (eds.), *Market-Augmenting Government: The Institutional Foundations for Prosperity* (Ann Arbor, MI: University of Michigan Press, 2003), pp. 269-294.
- “Biosphere, Markets, and Governments: Comment,” in Omar Azfar and Charles Cadwell (eds.), *Market-Augmenting Government: The Institutional Foundations for Prosperity* (Ann Arbor, MI: University of Michigan Press, 2003), pp. 175-176.
- “What Do We Know about the Substitution Effect in Transnational Terrorism,” in Andrew Silke (ed.), *Researching Terrorism: Trends, Achievements, Failures* (Ilford, UK: Frank Cass, 2004), pp. 119-137.
- “Regional Public Goods: Demand and Institutions,” in Antoni Esteve, Brian Frantz, and Tam Nguyen (eds.) *Regional Responses to Globalization: Regional Public Goods and Development Assistance* (Washington, DC: Inter-American Development Bank and Asian Development Bank, 2004), pp. 11-30.
- “Regional Public Goods: The Comparative Edge of Regional Development Banks: Comments,” in Nancy Birdsall and Liliana Rojas-Suarez (eds.), *Financing Development: The Power of Regionalism* (Washington, DC: Center for Global Development, 2004), pp. 123-127.
- “Transnational Terrorism: An Economic Analysis,” in Harry W. Richardson, Peter Gordon, and James E. Moore II (eds.), *The Economic Impact of Terrorist Attacks* (Aldershot, UK: Edward Elgar, 2005), pp. 11-34.
- “Recognizing the Limits to Cooperation behind National Borders: Financing the Control of Transnational Terrorism,” in Inge Kaul and Pedro Conceição, (eds), *The New Public Finance: Responding to Global Challenges* (New York: Oxford University Press, 2006) pp. 194-216.
- “Economic Methods and the Study of Terrorism: An Evaluation,” in Jeffrey Victoroff (ed.), *Tangled Roots: Social and Psychological Factors in the Genesis of Terrorism* (Amsterdam: IOS Press, 2006), pp. 115-129.
- “Regional Public Goods and Regional Cooperation,” in Secretariat of the International Task Force on Global Public Goods (ed.), *Meeting Global Challenges: International Cooperation in the National Interest: Cross-Cutting Issues* (Stockholm: Secretariat, 2006), pp. 143-178.
- “Terrorism: A Game-Theoretic Approach,” (with Daniel G. Arce) in Todd Sandler and Keith Hartley (eds.), *Handbook of Defense Economics, Vol. 2* (Amsterdam: North-Holland, 2007), pp. 775-813.
- “Defense in a Globalized World: An Introduction,” (with Keith Hartley) in Todd Sandler and Keith Hartley (eds.), *Handbook of Defense Economics, Vol. 2* (Amsterdam: North-Holland, 2007), pp. 607-621.
- “Economic Consequences of Terrorism in Developed and Developing Countries: An Overview,” (with Walter Enders) in Philip Keefer and Norman Loayza (eds.), *Terrorism, Economic Development and Political Openness* (Cambridge: Cambridge University Press, 2008), pp. 17-47.
- “Transnational Terrorism,” (with Daniel G. Arce and Walter Enders) in Bjørn Lomborg (ed.), *Global Crises, Global Solutions, 2nd Edition*, (Cambridge: Cambridge University Press, 2009), pp. 516-562.

- “Strategic Analysis of Terrorism,” (with Daniel G. Arce) in Nasrullah Memon, Jonathan D. Farley, David L. Hicks, and Torbon Rosenorn (eds.), *Mathematical Methods in Counterterrorism* (Wien: Springer, 2009), pp. 333-348.

Conference proceedings – Non-referred

- “NATO Burden Sharing: Rules or Reality?” in the International Economic Association 1985 Volume entitled, *Peace, Defence and Economic Analysis* (London: Macmillan, 1987), pp. 363-383.

Other written works

International Terrorism: Attributes of Terrorist Events 1978-1987 (ITERATE 3) (with Edward Mickolus, Jean Murdock, and Peter Fleming). Distributed by Vinyard Software, Inc., Falls Church, VA, 1989. Update 1988-1989 (ITERATE 4) Vinyard Software, Inc., Falls Church, VA, 1990.

Professional and University Citizenship

Professional activities and committees

- Editorial Board, *Journal of Global Policy*, September 2009 on.
- Editorial Board, *Simulation and Gaming*, January 2009 on.
- Editorial Board, *International Studies Perspectives*, January 2007 on.
- Editorial Board, *American Journal of Political Science*, January 2006-December 2009.
- Associate Editor, *Review of International Organizations*, January 2006 on.
- Chairman, Editorial Board, *Journal of Conflict Resolution*, April 2004 on.
- Editorial Board, *Terrorism and Political Violence*, January 2004 on.
- Editorial Board, *Nação e Defesa*, March 2002 on.
- Editorial Board, *European Review of Economics and Finance*, January 2002 on.
- Editorial Board, *Public Finance Review*, July 2000 on.
- Editorial Board, *Fiscal Studies*, June 2000 on.
- Associate Editor, *Bulletin of Economic Research*, February 2000 on.
- Advisory Board on book series, *Institutional Analysis*, University of Michigan Press, edited by Workshop in Political Theory and Policy Analysis, Indiana University, 1999 on.
- Editorial Board, *International Studies Quarterly*, January 1999-December 2003, January 2004-December 2008, January 2009-December 2013.
- Associate Editor, *Journal of Public Economic Theory*, May 1997-December 2005.
- Editorial Board, *Social Science Quarterly*, March 1996-April 2005.
- Editorial Board, *Defence and Peace Economics*, January 1995 on. Advising Editor from January 1999 on.
- Editorial Council on *Journal of Environmental Economics and Management*, January 1986 to December 1987, reappointed for January 1992-December 1993, reappointed for January 1994-December 1995, January-December 1996, January-December 1997,

January-December 1998, January-December 1999, January-December 2000, January-December 2001.

- Editorial Board on *Monograph Series in World Affairs*, University of Denver, Graduate School of International Studies, 1979 on.
- Editor of *Defence Economics*, September 1988-December 1994. (First issue appeared January 1990).
- Executive Board, International Defense Economics Association, 1990 on.
- Executive Board Member of Economists Allied Against the Arms Race (ECAAR), Israel Section, 1994 on.
- Associate Editor of *Journal of Environmental Economics and Management*, January 1988 to January 1990.
- Advising Board Member for *Annual Editions: Violence and Terrorism*, Duskin Publishing Group, 1989 on.
- Editorial Board on Sage Series on *Comparative Economy and Public Policy*, 1975 to 1978.
- Associate Editor, *Intermountain Economic Review*, September 1972 to June 1974.
- Reviewer for NSF, major economics journals, and major political science journals.

Professional Committees

Nominating Committee for American Economic Association, 2007- 2008

Consultancies

1980 on	Consultant to book publishers
1984-1999	Consultant for James Savarese & Associates, a division of Ogilvy & Mather, Public Relations Firm.
October 1983 to October 1984	Consultant on “The Economics of Defense in 1980s,” A grant given by the Office of Net Assessment, Department of Defense. Principal investigator in charge of the assessment of the U.K., France, and West German's future in NATO. Project coordinator was David Denoon, New York University.
Summer 1987	Consultant with David Denoon, James Murdoch on a project for U.S. Department of Defense.
September 1990-96	Consultant for Institute of Defense Analyses, Alexandria, VA.
1998-99, 2001-05	Consultant and author for Global Public Goods Projects for UN Development Program.
1999	Author of paper for a project, Market Augmenting Governance, IRIS, University of Maryland.

1999	Project on reforming foreign assistance for Overseas Development Council.
1999-2002, 2005	Consultant for World Bank on various projects.
2001	Author of paper for a project on Health-Promoting Global Public Goods, Institute for Global Health, University of California at San Francisco.
2002	Consultant for Inter-American Development Bank on projects on Regional Public Goods
2004-2005	Consultant for the International Task Force for Global Public Goods, Stockholm, Sweden.
2006-2007	Senior advisor on global public goods for UNIDO, Geneva, Switzerland.

School activities and committees

Chair, Recruiting Committee in Economics, Fall 2006
 Chair, Recruiting Committee in Economics, Spring 2007 (Write up EECO report)
 Criminology Ad Hoc Committee for Tomislav Kovandzic, Spring 2007
 Chair, Ad Hoc Committee for Magnus Lofstrom, Spring 2007
 Micro Qualifying Exam, Spring and Summer 2007
 Micro Qualifying Exam, Summer 2010
 EPPS Peer Review Committee, Fall 2007
 Chair, Recruiting Committee in Economics, Fall 2007
 EPPS Faculty Advisory Committee, Fall 2007
 Economic Program Committee, Fall 2007
 Ad Hoc Committee for Clint Peinhardt, 2007
 Chair, Recruiting Committee in Economics, Spring 2008, Fall 2008, Fall 2011
 Ad Hoc Committee for Marie Chevrier, Fall 2008
 Ad Hoc Committee for Patrick Brandt, Fall 2009
 EPPS Peer Review Committee, 2008
 Economic Program Committee, Spring 2008
 Organizer, Conference on Terrorism and Policy, May 15-17, 2008 at UTD
 Organizer, Conference on Terrorism and Policy, May 20-22, 2009 at UTD
 Organizer, Conference on Terrorism and Policy, May 19-21, 2010 at UTD
 Organizer, Conference on Terrorism and Policy, May 20-22, 2011 at UTD

Courses and other curricula developed

Intermediate Micro; Intermediate Macro; Mathematical Economics; Graduate Seminar in Micro; Graduate Micro I; Graduate Micro II; Graduate Macro I; Principles of Economics (Micro, Macro); Graduate Seminar in Public Finance; Public Choice; Environmental

Economics; Graduate Managerial Economics; Graduate Welfare Theory; Graduate Theory of Public Goods and Externalities; Honors Microeconomic Principles, Honors Seminar on Terrorism; Undergraduate Public Finance; Seminar in Economics and Security; International Policy Analysis; Global Economy; International Terrorism and Liberal Democracy, Graduate Public Finance; Honors Game Theory; and Political Economy of Terrorism.

University activities and committees

Director of the Center for Global Collective Action – Fall 2006 to present
Guitar Advisory Committee in Arts and Humanities – Fall 2007 to present
Presentation at Chancellor's Council on January 26, 2007
Presentation on Terrorism at Scholar's Day in February 2007
Advisory Committee on Research – 2008-2010, 2011-2012
Committee on Education Policy – 2010-2011