

Robert T. Deacon

*Curriculum Vitae*

August 2011

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Education: Ph.D. University of Washington, 1972  
M.A. University of Washington, 1971  
B.A. University of Washington, 1968

**Personal Information**

Residence: 4468 Meadowlark Lane  
Santa Barbara, CA 93105  
Phone: (805) 729-4351

Married

Born: September 10, 1944

**Current Academic Positions**

University of California, Santa Barbara:  
Professor of Economics,  
Affiliated Faculty, Bren School of Environmental Science and Management,  
Affiliated Faculty, Environmental Studies Program

**Prior Academic Positions**

1998-2001 Chair, Department of Economics  
1990-1991 Chair, Dep't. of Economics, Univ. of California, Santa Barbara  
1989-1990 Gilbert White Fellow, Resources for the Future, Wash. D.C.  
1980-1981 Visiting Associate Prof. of Econ. and Env. Studies, University of Washington  
1975 Acting Chair, Environmental Studies Program, Univ. of Calif., Santa Barbara  
1972-1982 Assistant and Associate Prof. of Economics, Univ. of California, Santa Barbara

**Awards and Honors**

University Fellow, Resources for the Future, Inc., 1993-present.

Julian Simon Fellow, Property and Environment Research Center, Bozeman, MT, September-November, 2008.  
Visiting Foreign Scholar, Institute for Social and Economic Research, Osaka University, Osaka Japan, October-November 2006.  
Visiting Professor, International Center for Higher Education on Agronomics in the Mediterranean, Zaragoza Spain, February 2003, January 2005, January 2007, February 2009.  
Guest Professor, University of Witten-Herdecke, Witten, Germany, January 2004.  
Visiting Scholar, CentER, Tilburg University, The Netherlands, August-September 2002.  
Gilbert F. White Fellow, Resources for the Future, Washington, D.C., 1989-1990  
National Fellow, Hoover Institution, Stanford University, 1975-76.  
NDEA Fellowship, 1968-1972

### **Professional Positions and Memberships**

Editorial Board: *International Review of Environmental and Resource Economics*, 2010-present.  
Expert Editor (natural resource policy): *Encyclopedia of Resource, Energy, and Environmental Economics* (Elsevier)  
Member, International Advisory Committee, BESTTuna Research Consortium, Wageningen University, The Netherlands, July 2011-present.  
Member, International Selection Committee, *FEEM 20<sup>th</sup>* Anniversary Prize for Most Influential researcher in environmental and natural resource economics. Fall 2009-Spring 2010.  
Occupational Expert, *Environmental Economics*, for U.S. Department of Labor, Dictionary of Occupational Titles 2010.  
Managing Editor, *Journal of Environmental Economics and Management*, 1996-2001.  
Associate Editor, *Journal of Environmental Economics and Management*, 1991-1995.  
Editorial Board, *Environment and Development Economics*, 2001-2008.  
Editorial Board, *Evaluation Review*, 1987-1992.  
Member, Advisory Committee, Forest Economics and Policy Program, Resources for the Future, 1994-present.  
Member, Science Committee, DIVERSITAS: International Consortium to Preserve Biodiversity, Paris France, January 2003-March 2008.  
Member, Environmental Task Force, Initiative for Policy Dialogs, Columbia University, October 2006-2008.  
Member, Advisory Board, University of California Energy Institute 1997-2005.  
Chair, Nominating Committee for Officers, Western Economic Association International, Spring 2002.  
Member: NSF Panel on Coupled Human and Natural Systems, May 2001.  
External Review Panels:  
    Australian National University, College of Asia and the Pacific (Economics), September 2008.  
    University of Oregon, Department of Economics 2006 (Member)  
    Enviropreneurship Program, Property and Environment Research Center, Bozeman MT, 2006 (Chair).  
    Department of Economics, University of Calgary, 2004 (Co-chair);  
    Department of Economics, Claremont Graduate University, 1998 (Chair);

Department of Economics, Kuwait University, 1997 (Chair);  
Department of Economics, California State University-San Diego, 1996 (Co-Chair).

Member (Chair during 2003), Selection Committee for Paper of Enduring Quality, Association of Environmental and Resource Economists, November, 2001- 2003.

Member, Corporate Board, UCSB Economic Forecast Project, 1998-2002.

Member, Santa Barbara County Advisory Board, UCSB Economic Forecast Project, 1998-2002.

Member, Socioeconomics Review Panel, U.S. E.P.A., 1991-1996.

Member: American Economic Association, Association of Environmental and Resource Economists, European Association of Environmental and Resource Economists.

### **Published Articles and Chapters**

“Economic Optimization of a Single-Cell Aquifer”, (with Gardner M. Brown). In *Economics of Water Resources*, R. Quentin Grafton (ed.), Edward Elgar Publishing, Ltd. U.K., forthcoming. (Reprint: Originally published in *Water Resources Research*, 8 (3), June 1972, 557-64).

“Regulated Incomplete Ownership, Capacity Restrictions and Rent Dissipation,” (with David Finnoff and John Tschirhart). *Resource and Energy Economics*. Volume 33, Issue 2, (May 2011): 366-380

“Pathways to Fishery Reform: Accounting for Political Economy”. In Donald R. Leal, ed., *The Political Economy of Natural Resource Use: Lessons for Fisheries Reform*. World Bank: Washington DC., (2011): 119-142.

“The Spatial Extent of Public Good Benefits: Evidence from Voting on River Restoration in Switzerland” (with Felix Schlapfer). *Environmental and Resource Economics* Vol. 47, No. 3 (2010): 305-328

*Creating Marine Assets: Property Rights in Ocean Fisheries*. Policy Report Series, No. 43, Property and Environment Research Center, Bozeman MT, January 2009.

“Dictatorship, Democracy, and the Provision of Public Goods.” *Public Choice*. Vol. 139, 2009: 241-262.

“Encumbering Harvest Rights to Protect Marine Environments: A Model of Marine Conservation Easements.” (with Dominic P. Parker). *Australian Journal of Agricultural and Resource Economics*, Vol. 53, 2009: 37-58.

“Improving Efficiency by Assigning Harvest Rights to Fishery Cooperatives: Evidence from the Chignik Salmon Co-op” (with Chris Costello and Dominic Parker), *Arizona Law Review*, Vol. 50, No. 2, 2008: 479-509

“The Efficiency Gains from Fully Delineating Rights in an ITQ Fishery” (with Chris Costello), *Marine Resource Economics*. Vol. 22 Issue 4, (Winter 2007): 347-361.

“Strategies for Rent Capture in IITQ Fisheries” (with Christopher Costello), In R. Arnason, ed., *Advances in Property Rights Based Fishing: Extending the Role of Property in Fisheries Management*, Uglu Book Company, Iceland, 2009.

“Political Economy and Natural Resource Use: Perspectives on India”. Conference proceedings for *Economic Development and Environmental Sustainability: A Dialog on India*. Proceedings compiled and circulated by Initiative for Policy Dialogs, Columbia University, 2007.

“Is the Environmental Kuznets Curve an Empirical Regularity?” (with Catherine S. Norman). In R. Halvorsen and D. Layton, *Frontiers of Environmental and Natural Resource Economics*, Edward Elgar Publishers, 2007.

- “Does the Environmental Kuznets Curve Describe How Individual Countries Behave?” (with Catherine S. Norman), *Land Economics*, Vol. 82 (2) May 2006.
- “Public Goods Provision Under Dictatorship and Democracy,” (with Sarani Saha). In A. F. Ott and R. J. Cebula, eds., *The Companion in Public Economics: Empirical Public Economics*, Edward Elgar Publishing, 2006.
- “Political Economy and Natural Resource Use,” (with Bernardo Mueller, Universidade de Brasilia). In *The Environment and Sustainable Development*, R. Lopez and M. Toman, Eds., Oxford University Press, 2006.
- “Resource Intensity, Institutions, and Development,” (with Erwin H. Bulte and Richard Damania), *World Development*, Vol. 33, No. 7 (July 2005.)
- “A Note on the Measurement of Bias in Stated Willingness to Pay for Public Goods,” (with Felix Schlapfer and Nick Hanley) *Kyklos*, Vol. 58 No. 1, (2005) 145-152.
- “Economics of Exhaustible Resources,” with Edmund Balsdon. *Encyclopedia of the Social and Behavioral Sciences*, Elsevier Publishers, 2002.
- “Valuing Beach Recreation Lost in Environmental Accidents,” with Charles Kolstad. *Journal of Water Resource Economics*, Vol. 126 No. 6 (Nov./Dec. 2000) 374-381.
- “Ownership Risk, Investment, and the Use of Natural Resources,” with Henning Bohn. *American Economic Review*, Vol. 90, No. 3, (June 2000) 526-550. Reprinted in *Environmental Economics: Critical Concept in the Environment*, edited by Charles Mason and Erwin Bulte, London: Routledge, 2007.
- “Deforestation and Ownership: Evidence from Historical Accounts and Contemporary Data,” *Land Economics*, 71(3) August 1999.
- “Research Trends and Opportunities in Environmental and Natural Resource Economics,” (with D. S. Brookshire, A. C. Fisher, A. V. Kneese, C. D. Kolstad, D. Scrogin, V. K. Smith, M. Ward, and J. Wilen) *Environmental and Resource Economics* 11(3-4) 383-97 (June 1998.)
- “Economic Analysis,” (Listed, with several others, as contributor to chapter edited by Robin Cantor and Gary Yohe.) In *Human Choice and Climate Change: Tools for Policy Analysis*, Edited by Steve Rayner and Elizabeth L. Malone, Columbus: Battelle Press, 1998:1-103.
- “The Structure of an Environmental Transaction: The Debt-for-Nature Swap”, (with Paul Murphy) *Land Economics* Vol. 73 (1) (February 1997) 1-25. Reprinted in: Stephen Polasky ed., *The Economics of Biodiversity Conservation*. (International library of environmental economics and policy.) Ashgate Publishers, 2001.
- “Los recursos no renovables y el medio ambiente,” *Revista Española de Economía Agraria*, 179(1) 1997 11-40. (“Nonrenewable Resources and the Environment,” *Spanish Review of Agricultural Economics*.)
- “Economic Aspects of Forest Policy in Lithuania,” Environment Discussion Paper No. 13, Harvard Institute for International Development, Cambridge, MA: Harvard University, April 1996.
- “Deforestation, Investment, and Political Stability”, 1996. In Michelle R. Garfinkel and Stergios Skaperdis, eds., *The Economics of Conflict and Appropriation*, Cambridge University Press, 131-157.
- “Estimating the Demand for Public Goods: Comments and Extensions”, (with Perry Shapiro.) In D. Bjornstad and J. Kahn, eds., *The Contingent Valuation of Environmental Resources: Methodological Issues and Research Needs*, Cheltenham, U.K.:Edward Elgar Publishing, Ltd. 1996, 244-262.
- “Assessing the Relationship Between Government Policy and Deforestation”, *Journal of Environmental Economics and Management*, 28, 1995, 1-18. Reprinted in Peter J. Parks and Ian W. Hardie, Eds., *The Economics of Land Use*, Ashgate Publishing Ltd., U.K., March 2003.

- “Incomplete Ownership, Rent Dissipation, and the Return to Related Investments”, *Economic Inquiry*, Vol. XXXII, October 1994, 655-683.
- “Deforestation and the Rule of Law in a Cross Section of Countries”, *Land Economics*, Vol. 70, No. 4, November 1994, 414-430. Reprinted in *Leading Issues in Economic Development*, Gerald M. Meier and James E. Rauch, eds., Oxford University Press, 2001.
- “Swapping Debts for Nature: Direct International Trade in Environmental Services”, (with Paul Murphy) in T.L. Anderson, ed., *NAFTA and the Environment* San Francisco: Pacific Research Institute, 1993, 69-90.
- “Taxation, Depletion, and Welfare: A Simulation Study of the U. S. Petroleum Resource,” *Journal of Environmental Economics and Management*, Vol. 24, No. 2 (March 1993) 159-187.
- “Controlling Tropical Deforestation: An Analysis of Alternative Policies”, Working Paper, Public Economics Department, The World Bank, 1992
- “Price Controls and Rent Dissipation with Endogenous Transaction Costs” (with Jon Sonstelie) *American Economic Review*, Vol. 81, No. 5 (December 1991) 1361-1373.
- “Price Controls and Rent Dissipation in Developing Countries” (with Jon Sonstelie) *World Development*, Vol. 17, No.12 (1989) 1945-1954.
- “The Welfare Costs of Rationing by Waiting” (with Jon Sonstelie) *Economic Inquiry*, Vol. 27, No. 2 (1989) 179-196.
- “An Empirical Model of Fishery Dynamics” *Journal of Environmental Economics and Management*, Vol. 27, No. 12 (1989) 167-183.
- “What is the Impact of Severance Taxes?” Proceedings, *Conference on Rethinking Montana's Tax System: Possibilities for Reform*, Montana Council on Economic Education and Center for Political Economy and Natural Resources, Bozeman Montana, 1986.
- “Price Controls, Price Dispersion, and the Supply of Refined Petroleum Products” (with Vinod B. Agarwal) *Energy Economics*, Vol. 7, No. 4 (1985) 210-219.
- “Rationing by Waiting and the Value of Time: Results from a Natural Experiment” (with Jon Sonstelie) *Journal of Political Economy*, Vol. 93, No. 4 (1985) 627-648.
- “Introduction” (with M. Bruce Johnson) in *Forestlands, Public and Private*, Robert T. Deacon and M. Bruce Johnson, eds., Ballinger Publishing Company, Cambridge MA, 1985, 1-22.
- “The Simple Analytics of Forest Economics” in *Forestlands, Public and Private*, Robert T. Deacon and M. Bruce Johnson, eds., Ballinger Publishing Company, Cambridge MA, 1985, 1-22.
- “The Oil and Gas Industry: Regulation and Public Policy” (with Walter J. Mead) in William A. Vogely, ed., *Economics of the Mineral Industry*, 1984, 483-453.
- “Individual Preferences and Public Policy”, in *Advances in Consumer Research*, Vol. VIII, 1981, 517-522.
- “The Expenditure Effects of Alternative Public Supply Institutions”, *Public Choice*, Vol. 34 (1980) 381-397.
- “Proposed Windfall Profits Tax on Crude Oil: Some Major Errors in Estimation” (with Walter J. Mead), *Journal of Energy and Development*, Vol. V, No.1 (1979).
- “What Happened to the California Sales Tax?” (with Perry Shapiro and Terence R. Smith) *National Tax Journal*, Vol. 32, No. 2, (1979) 305-313.
- “An Economic Analysis of Gasoline Price Controls”, *Natural Resources Journal*, Fall 1978, 553-567; reprinted in *U.S. Energy Policy: Errors of the Past, Proposals for the Future*, Walter J. Mead and A. E. Utton, eds., Ballinger Publishing Co, Cambridge MA, 1979.

- “State and Local Government Expenditures”, in *State and Local Government Finance and Financial Management: A Compendium of Current Research*, John E. Petersen, Catherine L. Spain, and M.F. Laffey, eds., Municipal Finance Officers Association, Washington, D.C., 1978; reprinted in *Essays in Public Finance and Financial Management*, John E. Peterson and Catherine L. Spain, eds., Catham House Publishing Co., 1978, 22-34.
- “Optimizing the Time Stream of Benefits from State and Local Government Use of Landsat Data: An Application of Demand Revealing Processes” (with Terence R. Smith and David S. Simonett) in *Papers and Proceedings of the Second Conference on the Economics of Remote Sensing Information Systems*, San Jose State University, 1978.
- “A Demand Model for the Local Public Sector”, *Review of Economics and Statistics*, Vol. 50, No. 2 (1978).
- “Private Choice and Collective Outcomes: Evidence from Public Sector Demand Analysis”, *National Tax Journal*, Vol. 30, No. 4 (1977).
- “Review of the Literature on the Demand for Public Services”, in *National Conference on Non-metropolitan Community Services Research*, 95th Congress, 1st Session, U.S. Government Printing Office (1977) 207-229.
- “The Environment: A Challenge for Public Policy” in *Economic Analysis of Pressing Social Problems*, Second Edition, L. Phillips and H.L. Votey, eds., Rand McNally Publishing Co. (1977).
- “Private Preference for Collective Goods Revealed Through Voting on Referenda” (with Perry Shapiro), *American Economic Review*, Vol. 65, No. 5 (1975) 943-955.
- “Voting Behavior, Efficiency, and Equity” (with Yoram Barzel), *Public Choice*, Vol. 21 (1975) 1-14. Reprinted in *Productivity Change, Public Goods, and Transaction Costs: Essays at the Boundary of Microeconomics*, Yoram Barzel, ed., Edward Elgar Publishing, Ltd., 1995.
- “The Economics of Fish Protein Concentrate” (with James A. Crutchfield), in *The Technology and Economics of Fish Protein Concentrate*, N. S. Scrimshaw, et al, eds., M.I.T. Press, (1974) 510-598; reprinted in *Fish Protein Concentrate Information Package*, U.S. Department of Commerce, N.T.I.S., (1974).
- “Environmental Quality: A View from the Marketplace”, in *Economic Analysis of Pressing Social Problems*, L. Phillips and H.L. Votey, eds., Rand McNally Publishing Co., (1974) 151-180.
- “The Demand for Services of Non-Federal Governements” (with Thomas E. Borcharding), *American Economic Review*, Vol. 62, No. 5 (1972) 891-901.
- “Economic Optimization of a Single Cell Aquifer” (with Gardner Brown, Jr.), *Water Resources Research*, Vol. 8, No. 3 (1972) 557-564. Reprinted in: *Economics of Water Resources*, R. Quentin Grafton (ed.), Edward Elgar Publishing, Ltd. U.K., forthcoming.

## **Books and Monographs**

- Taxing Energy: Oil Severance Taxation and the Economy*, (with S. J. DeCanio, H. E. Frech, and M. B. Johnson), Holmes and Meyer Publishing Co., New York, 1990.
- Forestlands, Public and Private*, (co-edited with M. Bruce Johnson), Ballinger Publishing Co., Cambridge MA, 1985.
- Price Controls and International Petroleum Product Prices* (with Walter J. Mead), U. S. Department of Energy, Energy Information Administration, (DOE/EIA-6039-01, 1980) 1-153.

## **Books Reviews**

Review of: *Public Policies and the Misuse of Forest Resources*, by R. Repetto and M. Gillis, eds. Cambridge University Press, 1988, in *Forest Science*, November 1992.

Review of: *Politics, Prices, and Petroleum*, by David Glasner, Ballinger Publishing Co., in *The Energy Journal*, Vol. 7, No. 3 (1986) 162-164.

## **Papers Submitted and in Progress**

“The Gains from Coordinating Use of a Shared Resource: Evidence from a Self-selected Fishery Cooperative” (with Dominic P. Parker and Christopher Costello), *Journal of Law and Economics*. (Revise and resubmit.)

“The Political Economy of the Natural Resource Curse: A Review of Theory and Evidence”, *Foundations and Trends in Microeconomics*. (Revise and resubmit.)

“The Economics of Fishery Cooperatives”. *Review of Environmental Economics and Policy*. (Under review.)

## **Professional Presentations (since 1995)**

Invited presentation, “Property Rights Strategies for Reforming Fisheries in Diverse Political Contexts”. World Bank Workshop on Fishery Governance. Ministry of Fisheries, Dhaka, Bangladesh, July 2011.

Invited presentation, “Fishery Cooperatives: What do They Achieve? What Determines Success?” World Bank Workshop on Fishery Governance. Ministry of Fisheries, Dhaka, Bangladesh, July 2011.

Invited lecture, “Using Cooperatives to Manage Salmon? Lessons from the Chignik Cooperative.” University of Washington, Fisheries Research Institute Summer course on fishery management. Aleknagik, AK June 2011.

Invited lecture, “Adapting Conservation Easements to a Marine Setting: Experiences with TNC’s Morro Bay Project”. University of Washington, Fisheries Research Institute Summer course on fishery management. Aleknagik, AK June 2011.

Invited presentation, “The Efficiency Gains from of Coordinating Use of a Shared Resource: Evidence from a Self-Selected Fishery Coop” NBER Conference on Environmental Economics, Stanford University, April 9, 2011.

Invited lectures, “Non-renewable resource economics”, International Center for Advanced Studies in Agronomic Sciences in the Mediterranean, Zaragoza, Spain, February 2011.

Invited presentation, “Cooperatives as a Management Strategy for Developing Country Fisheries”, World Bank Workshop on Fisheries Reform, January 10, 2011.

Invited presentation, “The Economic Performance of a Fishery Cooperative: The Chignik Salmon Co-op.” Workshop: When, Why, and How do Fisheries Cooperatives Form? Bren School, UCSB, December 7-8, 2010.

Invited presentation, “Innovations in Rights-Based Management Strategies for Fisheries.” World Wildlife Fund, ‘Tuna Think Tank’: Workshop on managing tuna in the Western and Central tropical Pacific. Arnhem, Netherlands, August 31-Sept. 2, 2010.

Invited presentation, “Overcoming the Common Pool Problem through Voluntary Cooperation: The Rise and Fall of a Fishery Cooperative” Department of Economics, University of Oslo, Norway, June 17, 2010.

Invited keynote address, “Political economy dimensions in natural resource economics” Ulvon Conference on Environmental Economics, Umea, Sweden, June 22, 2010.

Presentation, “Why coordinate effort in a fishery? An economic assessment” UCSB Abalone management symposium, Bren School, January 8, 2010.

Discussant, PERC Workshop on Innovations in Fisheries Management, UCSB, October 2009.

Invited Presentation: “The Gains from Coordinating Effort in the Fishery: Theory and Evidence from the Chignik Salmon Co-op.” Resources for the Future, Washington, DC, May 2009.

Invited Presentation: “The Gains from Coordinating Effort in the Fishery: Theory and Evidence from the Chignik Salmon Co-op.” University of Maryland, AREC, College Park, MD, April 2009.

Invited Presentation: “The Gains from Coordinating Effort in the Fishery: Theory and Evidence from the Chignik Salmon Co-op.” Carleton University, Dept. of Economics, Ottawa, Canada, April 2009.

Invited Presentation: “The Gains from Coordinating Effort in the Fishery: Theory and Evidence from the Chignik Salmon Co-op.” Department of Economics and School of International Relations and Pacific Studies, UC San Diego, February, 2009.

Presentation: “The Gains from Coordinating Effort in the Fishery: Theory and Evidence from the Chignik Salmon Co-op.” Allied Social Science Assn., AERE Session, San Francisco, January, 2009.

Invited Presentation: “The Gains from Coordinating Effort in the Fishery: Theory and Evidence from the Chignik Salmon Co-op.” Department of Economics, University of Hawaii, Manoa, HI, December, 2008.

Invited Symposium Presentation: “Regulated Incomplete Ownership, Capacity Restrictions and Rent Dissipation.” Crocker-fest Symposium, University of Wyoming, Laramie, WY, November, 2008.

Invited Presentation: “Creating Marine Assets: Property Rights in Ocean Fisheries.” Property and Environment Research Center, Bozeman, MT, November, 2008.

Invited Presentation: “The Gains from Coordinating Effort in the Fishery: Theory and Evidence from the Chignik Salmon Co-op.” Department of Agricultural Economics and Economics, Montana State University, October, 2008.

Discussant, “Environmental Gentrification” PERC Workshop on Environmental Gentrification, Mountain Sky, MT, September, 2008.

Presentation: “Encumbering Harvest Rights to Protect Marine Environments: A Model of Marine Conservation Easements” (with Dominic Parker, UCSB) 10<sup>th</sup> Occasional Workshop on Environmental and Natural Resource Economics, UCSB March 2008.

Invited Presentation: “Improving Efficiency by Assigning Harvest Rights to Fishery Cooperatives: Evidence from the Chignik Salmon Co-op” . Program on Economics, Law and the Environment Symposium *Property Rights in Environmental Assets: Economic and Legal Perspectives*, University of Arizona, Tucson, October 2007.

Invited Presentation: ““The Spatial Extent of Public Good Benefits: Evidence from Voting on River Restoration in Switzerland”, Department of Economics, University of Central Florida, Orlando FL, April 2007.

Invited Presentation: “The Efficiency Gains from *Fully* Delineating Rights in an ITQ Fishery” (with Chris Costello), Workshop on Property Rights Approaches to Fisheries Management, National Center for Ecological Analysis and Synthesis, Santa Barbara, CA, January 2007.

Invited Lectures (4 presentations): “The Economics of Nonrenewable Resource Use.” Organized and sponsored by the Mediterranean Agronomic Institute of Zaragoza and held at the Centro Internacional de Altos Estudios Agronomicos Mediterraneos, (International Center for Advanced Studies in Agronomic Sciences in the Mediterranean), Zaragoza, Spain, January 15, 16, 2007.

Invited Presentation: “Political Economy and Natural Resource Use: Perspectives on India,” Institute for Policy Dialogs, Workshop on Sustainability, New Delhi, India, December 19, 2006.

Invited Presentation: “Public Good Provision under Dictatorship and Democracy,” Institute of Social and Economic Research, Osaka University, November, 2006.

Invited Presentation: “Public Good Provision under Dictatorship and Democracy,” Department of Economics, Kyoto University, November 27, 2006.

Invited Presentation: “The Political Economy of Protected Area Performance: A Framework for Evaluation,” Research Institute for Sustainability Science, Osaka University, November 15, 2006.

Invited Presentation: “The Efficiency Gains from *Fully* Delineating Rights in an ITQ Fishery” (with Chris Costello), Workshop on Advances in Property Rights Based Fisheries Management, Institute for Social Research, Reykjavik, Iceland, August 27-29, 2006.

Invited Keynote Address: “Assessing the Effectiveness of Protected Areas in Achieving Conservation Goals,” OECD Workshop on Distributive Issues Related to Biodiversity, Oaxaca, Mexico, April 2006.

Invited Presentation, Distinguished Lecture Series on Forest Economics and Policy: “Assessing the Effectiveness of Protected Areas in Achieving Conservation Goals,” Faculty of Forestry, University of British Columbia, April 2006.

Invited Plenary Address: “Assessing the Effectiveness of Protected Areas in Achieving Conservation Goals,” 7<sup>th</sup> BIOECON Conference, Cambridge University, UK, September 2005.

Discussant: “Biodiversity in Agriculture: Its Value in Spreading Risk,” 7<sup>th</sup> BIOECON Conference, Cambridge University, UK, September 2005.

Invited Presentation: “Dictatorship, Democracy, and the Provision of Public Goods,” Departments of Economics, Universitat Witten-Herdecke and Universitat Hagen, Witten, Germany, January 2004.

Invited Presentation: “Dictatorship, Democracy, and the Provision of Public Goods,” Centrum voor Economische Studien, Katholieke Universiteit Leuven, Belgium, January 2004.

Invited Presentation: “Is the Environmental Kuznets Curve an Empirical Regularity?,” Department of Economics, University of Central Florida, Orlando FL, December 2003.

Invited Presentation: “The Political Economy of Natural Resource Use,” Institute for Policy Dialogs, Columbia University, New York, October 2003.

Invited Presentation: “Is the Environmental Kuznets Curve an Empirical Regularity?,” Gardner Brown Conference, University of Washington, Seattle, WA, April 2003.

Presentation: “Dictatorship, Democracy, and the Provision of Public Goods,” American Economics Association, Washington, DC January 2003.

Invited Presentation: “Dictatorship, Democracy, and the Provision of Public Goods,” CentER, Tilburg University, The Netherlands, September, 2002.

Invited Presentation: “Dictatorship, Democracy, and the Provision of Public Goods,” Department of Economics, Emory University, Atlanta GA, March 2002.

Invited Presentation: “Dictatorship, Democracy, and the Provision of Public Goods,” Yoram Barzel Conference, University of Washington, Seattle WA, December 2001.

Invited Presentation: Department of Agricultural and Resource Economics, University of Maryland, November 2001.

Invited Presentation: Department of Economics, University of Texas, Austin, November 2001.

Session Chair: "Spatial Analysis in Economic Research," Specialist Meeting on Spatial Externalities, Santa Barbara, CA January 2001.

Presentation: Sixth Occasional Workshop on Environmental and Natural Resource Economics, UCSB, October 2001.

Invited Presentation: International Studies Program, Columbia University April 2001.

Invited Presentation: Dept. of Economics, University of Washington, January 2001.

Invited Presentation: Specialist Meeting on Spatial Externalities, Upham Hotel, Santa Barbara, 2000.

Invited Presentation: Dept. of Economics, University of Michigan, September 2000.

Invited Presentation: Dept. of Economics, Univ. of Redlands, April 2000.

Invited Presentation: Dept. of Political Science, Tulane University, April 2000.

Invited Presentation: Dept. of Economics, U.S. Air Force Academy, March 2000.

Invited Presentation: Department of Economics, Central Florida University, November 1999.

Invited Presentation: College of Forestry, University of Toronto, October 1999.

Invited Presentation: Toulouse Conference on Environmental Economics, Toulouse University, June 1999.

Invited Presentation: Department of Economics, Ryerson Polytechnic University, October 1998.

Invited Presentation: Department of Economics, University of Oregon, June 1998.

Presentation: World Congress of Envir. and Natural Resource Economists, Venice, June 1998.

Invited Presentation: Department of Economics, University of Calgary, January 1998.

Panelist: "Land Tenure and the Management of Land and Trees"  
Land Tenure and Management, IFPRI Workshop, Tokyo Metro. Univ., Tokyo, 1998.

Discussant: "Efficiency of Agroforestry Management in Sumatra."  
Land Tenure and Management, IFPRI Workshop, Tokyo Metro. Univ., Tokyo, 1998.

Invited Presentation: Dept. of Agric. and Res. Econ., University of California, Davis, December 1997.

Invited Presentation: NBER Summer Workshop, Boston, MA, August, 1997.

Invited Presentation: Geography Department, Univ. of Calif.-Santa Barbara, February 1997.

Invited Presentation: College of Administrative Sciences, Kuwait University, March 1997.

Invited Presentation: Department of Economics, Kuwait University, March 1997.

Invited Presentation: Department of Economics, University of Michigan, December 1996.

Invited Presentation: Department of Economics, University of Illinois, December 1996.

Invited Presentation: Department of Economics, Georgia State University, October 1996.

Invited Presentation: Department of Resource Econ., Univ. of Massachusetts-Amherst, September 1996.

Invited Presentation: Kennedy School of Government, Harvard University, September 1996.

Presentation: Third Occasional Workshop on Environmental and Natural Resource Economics and Policy, UCSB, May 17-18, 1996.

Invited Presentation: Department of Economics, University of Wyoming, Laramie, April 24, 1996.

Invited Presentation: Lithuanian Ministry of the Environment, Vilnius Lithuania, September 1995.

Invited Presentation: Universidad Internacional Menéndez y Pelayo (Summer institute associated with the Autonomous University of Barcelona) June 26, 1995.

Invited Presentation: Department of Economics, Claremont Graduate School, Claremont, CA, April 1995.

Presentation: Econometric Society, Washington, DC, January 1995.

Presentation: American Economic Association, AERE Session, Washington, DC, January 1995.

### **Invited Panelist Participation at Conferences (since 1995)**

Invited participant, Workshop on disposing of fishing assets in Central California groundfish fishery. The Nature Conservancy, Truckee, CA, July 13-14, 2010.

Session Chair, 11<sup>th</sup> Occasional Workshop on Environmental and Natural Resource Economics, October 2009.

PERC / UCSB Workshop: Innovations in Fishery Management, Bren School, UCSB. October 2009.

Session Chair: Discounting *and Climate Change*, 10<sup>th</sup> Occasional Workshop on Environmental and Natural Resource Economics, UCSB March 2008.

Political Economy Forum, “Managing the Public Lands”, Chico Hot Springs Lodge, Pray Montana, April 2005.

International Food Policy Research Institute Workshop, Tokyo Metropolitan Univ., Tokyo, 1998.

Institute on Global Conflict and Cooperation, “International Environmental Policy: Sources of Regional Environmental Cooperation Research Seminar, University of California, Berkeley, April 1997.

Discussant: Natural Resources, Environmental Quality, and Population Growth: A Comparison of Island and Non-Island Fertility,” Annual Meetings, American Economic Assn., January 1996.

Political Economy Forum, “Water Marketing: The Next Generation”, Mountain Sky Guest Ranch, Emigrant, Montana, June 1995.

### **Conference Organizing**

Co-organizer (with Paulina Oliva) 11th Occasional Workshop on Environmental and Natural Resource Economics, UCSB, 2009.

Co-organizer (with Joan Giovannoni), “Walter Mead Symposium”. Mosher Alumni House, UCSB, January 24, 2009.

Co-organizer (with Gary Libecap) 10th Occasional Workshop on Environmental and Natural Resource Economics, UCSB, 2008.

Co-organizer (with Kimberly Elliot), “Mort Andron Fellowship Recipients’ Symposium”. UCSB Department of Economics, March 3, 2007.

Co-organizer (with Mike Toman and Siddhartha Gupta), *Economic Development and Environmental Sustainability: A Dialog on India*. Sponsored by the Initiative for Policy Dialogs, Columbia University, International Food Policy Research Institute (IFPRI) and the National Institute of Urban Affairs. Location: New Delhi, India, December 18-20, 2006.

Co-Organizer (with Luc Anselin and Michael Goodchild), Specialist Meeting on Spatial Externalities, 2001.

- Co-organizer (with Charles Kolstad): “Fifth Occasional California Workshop on Environmental and Natural Resource Economics,” UCSB, May 6-7, 2000.
- (Co-organizer) “Fourth Occasional California Workshop on Environmental and Natural Resource Economics,” UCSB, Oct. 10-12, 1998.
- (Co-organizer) “Third Occasional California Workshop on Environmental and Natural Resource Economics,” UCSB, May 17-18, 1996.
- (Co-organizer) “Second Occasional California Workshop on Environmental and Natural Resource Economics and Policy,” UCSB, October 21-22, 1994.
- (Co-organizer) “California Workshop on Environmental and Natural Resource Economics and Policy,” UCSB, May 7 and 8, 1993.

### **Contracts, Grants, and Related Activity (since 1990)**

- Co-PI, “Social and economic effects of ITQs on the West Coast groundfish fishery: solving the weak stock/bycatch problem” Sea Grant, proposal under review. (Chris Costello, PI; Steve Gaines, Trevor Branch and Ray Hilborn, Co-PIs). Request: \$136,668.
- Co-PI, Rights-Based Innovations in Fisheries Managements, Waitt Foundation (PI, Steve Gaines), \$400,000, Jan. 2011-Jan 2012.
- Co-Principal Investigator (PI Charles Kolstad), “Economics and Environmental Science Program,” NSF-IGERT Program, \$3.1 million, 2002-2008.
- Principal Investigator, “The Resource Curse and Economic Development,” U.N. Food and Agriculture Organization, (with Richard Damania and Erwin Bulte), \$15,000.
- Associated Investigator, “Quantitative Methods in the Social Sciences,” UCSB Research Across Disciplines Program.
- Co-Principal Investigator, “Support of Undergraduate Business Economics Program,” 1999-2000, J. M. Long Foundation, \$20,000.
- Principal Investigator, “The Political Economy of Environment-Development Relationships,” 1998-2001, National Science Foundation, Economics Division. \$170,000.
- Principal Investigator, “Regional Environmental Policy-making Through International Trade,” Institute on Global Conflict and Cooperation, University of California, San Diego, 1997-1998, \$20,000.
- Co-Principal Investigator (with Charles Kolstad), “Valuing Coastal Resources--Understanding Substitution in Time and Space,” U.S. Minerals Management Service, Department of Interior, 1995-1996, \$50,000.
- Consultant, “Economic Aspects of Forest Policy in Lithuania” Sponsored by Harvard Institute for International Development and Lithuanian Ministry of the Environment, Vilnius Lithuania, 1995.
- University of California, Office of the President, “California Workshop on Resource and Environmental Economics and Policy”, awarded for 1993-1994.
- Principle Investigator: “The Political Economy of Natural Resource Use in Developing Countries: Selected Studies”, National Science Foundation, 1993-1995.
- Principle Investigator: “Political Stability, Security of Tenure, and Environmental Protection in Developing Countries”, National Science Foundation, 1992-1993.
- World Bank: contract to evaluate research on, and develop conceptual framework to study, the economic aspects of tropical deforestation; 1990.

Gilbert F. White Fellowship, Resources for the Future, Inc.: research support and salary for projects on non-renewable resource taxation and analysis of policy toward common property resources, 1989-1990.

### **Technical Reports (since 1980)**

- “Designing Limited Access Privileges to Incorporate Fishing Community Interests and Conservation Goals without Sacrificing Efficiency, . Environmental Defense Fund, 2010.
- “Independent Peer Review: Diablo Canyon Power Plant, Clean Water Act Section 316(b), Economic Benefits Valuation Studies”, for Pacific Gas and Electric Co., June/July 2006.
- “Labor markets following the *Exxon Valdez* cleanup project, ” Submitted in *Exxon/Mobil vs. Seahawk Seafoods*, September 2003.
- “Socioeconomic Aspects of Alaska’s Redistricting Plan.” Submitted in Consolidated Case No. 3AN-01-8914 CI, Superior Court for the State of Alaska, Third Judicial District at Anchorage, 2002.
- “Economic Aspects of Forest Policy in Lithuania,” prepared for the Harvard Institute for International Development, at the request of the Lithuanian Ministry of the Environment, September 1995.
- “A Proposed Forest Harvest Tax for Lithuania,” prepared for the Harvard Institute for International Development, at the request of the Lithuanian Ministry of the Environment, September 1995.
- “Economic Analysis of the Proposed Royalty Schedule for Huntington Beach/Cal Resources Leases” Report prepared at the Request of the California State Lands Commission, Mineral Resource Management Division, April 1995.
- “Nonrenewable Resources and the Environment,” Universidad Internacional Menéndez y Pelayo (Summer institute associated with the Autonomous University of Barcelona) June 26, 1995.
- “Comments on Estimated Damages Following the *American Trader Oil Spill*”, (with Charles Kolstad) unpublished, 1995.
- “Interim Report on alleged Economic Damages to Municipalities, Part 3,” with Benjamin Klein. August 1993.
- “The Performance of the Alaska Economy Following the *Exxon Valdez Oil Spill*”, unpublished, 1993.
- “Effects of Two Offshore Petroleum Development Projects on the California Economy: An Application of the California Multiclient Interindustry Model” (with Stephen J. DeCanio), The Economics Group Inc., Santa Barbara, CA 1985.
- “The Role of the Petroleum Industry in the California Economy: A Non-Technical Summary of the California Multiclient Interindustry (CMI) Model” (with Stephen J. DeCanio), The Economics Group Inc., Santa Barbara, CA 1985.
- “The Role of the Petroleum Industry in the California Economy: Technical Documentation for the California Multiclient Interindustry (CMI) Model, Volumes I and II” (with Stephen J. DeCanio), The Economics Group Inc., Santa Barbara, CA 1985.
- “A Review of the Socioeconomic Impact Analysis for the Point Arguello Field Development and Gaviota Processing Facility”, Report Commissioned by Chevron Co. U.S.A., The Economics Group Inc., Santa Barbara, CA 1984.

- “A Review of the SAI Revised Draft Environmental Impact Statement/Report” (with Stephen J. DeCanio), Report Commissioned by Exxon Co. U.S.A., The Economics Group Inc., Santa Barbara, CA 1984.
- “Government Revenues from Crude Oil Production: Interstate Comparisons Extended to Alaska” (with Stephen J. DeCanio), Report Commissioned by Chevron U.S.A., The Economics Group Inc., Santa Barbara, CA 1983.
- “The Future of Private Pensions”, Report commissioned by United Security Trust Co., The Economics Group Inc., Santa Barbara, CA 1983.
- “The Proposed Crude Oil California Severance Tax: An Economic Analysis” (with Stephen J. DeCanio and others), Report Commissioned by Chevron Co. U.S.A. and other companies, The Economics Group Inc., Santa Barbara, CA 1983.
- “The Economic Impacts of Proposed Changes in Lead Additive Standards in California”, Report Commissioned by Wickland Oil Co., Submitted to California Air Resources Bd., The Economics Group Inc., Santa Barbara, CA 1982.
- “The Role of Independent Gasoline Blenders and the E.P.A. Lead Phasedown Regulations”, Report commissioned by Independent Gasoline Blenders and Terminal Operators Assn., The Economics Group Inc., Santa Barbara, CA 1982.

### **Testimony (since 1996) and Consulting (since 1980)**

- (Consultant) Fishery Cooperatives in Bangladesh: What do they achieve? What determines success? World Bank, May-November 2011.
- (Consultant) Valuing conservation encumbrances for quantitative fishing rights, The Nature Conservancy, Fall 2010.
- (Consultant) Valuing ITQs for over-fished species in the West Coast groundfish fishery. The Nature Conservancy, March, 2011.
- (Consultant) Evaluating the economics of consolidation caps in catch share approaches to managing fisheries. Environmental Defense Fund, Summer 2010.
- (Consultant) Pacific Gas and Electric Co., Peer review of economic analysis related to Diablo Canyon Power Plant, Clean Water Act Section 316(b), Economic Benefits Valuation Studies, June/July 2006.
- (Testimony) Economic analysis municipal suits stemming from the *Exxon Valdez* oil spill, Alaska Superior Court, Anchorage, July 2002. (Retained by counsel for Exxon/Mobil Corp.)
- (Declaration) In re. *Exxon Valdez*, U.S. District Court for the District of Alaska, Anchorage, June 2002
- (Testimony) Socioeconomic Aspects of Alaska’s Redistricting Plan, Alaska Superior Court, Anchorage, January 2002.
- (Consultant) Economic Analysis Corp., Los Angeles, CA. Evaluation of economic damages stemming from bridge collapse in Republic of Palau, March-April, 1998. (Retained by counsel for Republic of Palau.)
- (Consultant) Economic Analysis Corp., Los Angeles, CA. Evaluation of economic damages stemming from the *American Trader* oil spill, December 1994-May 1996. (Retained by counsel for Golden West Refining Corp.)
- (Consultant) California State Lands Commission, Evaluation of proposed sliding scale royalty formula for leases on state lands, March-April, 1995.
- (Testimony) Evaluation of proposed sliding scale royalty formula for leases on state lands, California State Lands Commission, April 1995.

- (Temporary Advisory Board Member) State Water Resources Control Board, Technical Advisory Committee for SB 1764, March 1995.
- (Consultant) Exxon Co. U.S.A., litigation support related to municipal suits stemming from the *Exxon Valdez* oil spill, 1993-1994. (Retained by counsel for Exxon Corp.)
- (Consultant) Exxon Co. U.S.A., Natural Resource Damage Assessment and litigation support related to *Exxon Valdez* oil spill, 1989-1992. (Retained by counsel for Exxon Corp.)
- (Consultant) Law and Economics Consulting Group, Berkeley, CA., consultation on oil supply modeling related to suit between City of Long Beach and Exxon Co. U.S.A., 1991-92.
- (Consultant) County of Santa Barbara, Review of groundwater plan and policy for County of Santa Barbara, 1992.
- (Consultant) U.S. Minerals Management Service, Department of Interior, Los Angeles Regional Office. Served as member of quality review panel for research on the impact of offshore oil development on coastal recreation, 1984-85.
- (Consultant) Kissam, Halpin, and Genovese, on behalf of Phillips Petroleum. Preparation of testimony/research for *Bogosian vs. Guf Oil*. Analysis of the effects of petroleum price controls. (Case settled prior to testimony.)