

# DEAN LUECK

Professor of Agricultural and Resource Economics  
Professor of Economics (by courtesy), Professor of Law (by courtesy)  
Co-Director Program on Economics, Law and the Environment  
University of Arizona

## PERSONAL & CONTACT INFORMATION

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Google scholar <http://scholar.google.com/citations?user=mul70xwAAAAJ&hl=en>

## EDUCATION

Ph.D. University of Washington; Economics, 1987.  
M.S. University of Montana; Environmental Studies, 1983.  
B.A. Gonzaga University; Biology (*Magna Cum Laude*), 1980.

## RESEARCH FIELDS

Environmental and Natural Resource Economics, Law & Economics, Economic Organization, Property Rights.

## PROFESSIONAL EXPERIENCE

2010- Professor of Agricultural & Resource Economics, Professor of Economics, Professor of Law, University of Arizona.  
2004-2010 Bartley P. Cardon Professor of Agricultural & Resource Economics, Professor of Economics, Professor of Law, University of Arizona.  
1997-2004 Professor (Associate Professor), Department of Agricultural Economics & Economics, Montana State University.  
1995-1997 Associate (Assistant) Professor, Department of Agricultural & Resource Economics, North Carolina State University.  
1994-1995 John M. Olin Faculty Fellow, Yale Law School, Yale University  
1991-1995 Associate (Assistant) Professor, Department of Economics, Louisiana State University.  
1988-1991 Visiting Assistant Professor of Economics, Brigham Young University.  
1987-1988 Adjunct Instructor, Department of Agricultural Economics & Economics, Montana State University.

## AWARDS, FELLOWSHIPS, PROFESSORSHIPS, HONORS

2014 Erasmus Mundus Fellowship in Law and Economics, University of Bologna, ITALY  
2012 Lone Mountain Fellow, PERC, Bozeman, MT.  
2011 Visiting Fellow, Collegio Carlo Alberto, Moncalieri (Torino), ITALY.  
2011 Senior Lecturer, European School on New Institutional Economics, Cargese, FRANCE.  
2009-2010 Research Fellow, International Centre for Economic Research, Torino, ITALY.  
2008 Visiting Professor of Law and Economics, University of Oslo, Oslo, NORWAY.

- 2004 Plenary Speaker at the 8<sup>th</sup> Annual meeting of the International Society for the New Institutional Economics, Tucson, Arizona.
- 2004 Senior Lecturer, European School on New Institutional Economics, Cargese, FRANCE.
- 2002-2003 Visiting Professor of Law, University of Virginia School of Law.
- 2003 Distinguished Visiting Professor in Law and Economics, University of Toronto, Faculty of Law.
- 2000-2002 Visiting Professor of Business and the Environment, Business School, University of Hertfordshire, Hertford, United Kingdom.
- 2001 Keynote Speaker. Annual General Meeting of the Law and Economics Association of New Zealand, Victoria University of Wellington, Wellington, NEW ZEALAND.
- 2001 Visiting Professor of Economics. Universitat Pampeu Fabra, Barcelona, SPAIN.
- 2000 John M. Olin Fellow in Law & Economics, Cornell Law School, Cornell University.
- 1999 Guest Lecturer. J. Fish and Lillian Smith Endowment for Free Market Economics, Brigham Young University.
- 1994-1995 John M. Olin Faculty Fellow, Yale Law School, Yale University.
- 1994 Participant, “Law Institute for Academic Economists,” George Mason University Law School.
- 1992 Best Article for Western Economics Association, “Ownership and Regulation of Wildlife,” in the 1991 Volume of *Economic Inquiry*.

### PROFESSIONAL SERVICE

- 2013-present Member of the Executive Committee for the Graduate Interdisciplinary Program in Ethics, Economy, and Entrepreneurship, University of Arizona.
- 2013 Co-Director, LEC-PERC Workshop on Environmental Economics for Law Professors, Big Sky, Montana.
- 2012-13 Board of Directors, International Society for New Institutional Economics.
- 2007-2009 Board of Directors, International Society for New Institutional Economics.
- 2008-2010 Editorial Council, Journal of Agricultural and Resource Economics.
- 2007 – present Scientific Advisory Board for the Malpai Boderlands Group, Douglass, Arizona.
- 2005 - present Faculty Affiliate, Institute for the Environment, University of Arizona.
- 1997-2004 Faculty Affiliate, Mountain Research Center, Montana State University.

### PROFESSIONAL AFFILIATIONS

American Economic Association, Association of Environmental and Resource Economists, American Law and Economics Association, American Agricultural Economics Association, International Society for New Institutional Economics.

### ARTICLES

- “Contracting for Control of Landscapes.” With Karen Bradshaw Schultz. October 2014 (forthcoming in *Iowa Law Review*).
- “The Economic Evolution of Wildfire Suppression Organizations.” September 2014. With Jonathan Yoder. (forthcoming in the *Journal of Forestry*).
- “Human Capital Accumulation and the Expansion of Women’s Rights.” 2012. With Rick Geddes and Sharon Tennyson. *Journal of Law and Economics* 55: 839-867.
- “Large Scale Institutional Changes: Land Demarcation within the British Empire.” 2011. With Gary D. Libecap and Trevor O’Grady. *Journal of Law and Economics* 54:S295-S327.
- “The Demarcation of Land and the Role of Coordinating Property Institutions.” 2011. *Journal of Political Economy*. 119:426-467. With Gary D. Libecap.

- “Land Demarcation Systems.” 2011. *Research Handbook on the Economics of Property Law* (Cheltenham, UK: Edward Elgar). Henry E. Smith and Kenneth Ayotte, eds. With Gary D Libecap.
- “Custom and Incentives in Contracts.” 2009. *American Journal of Agricultural Economics*. 91:880-894. With Douglas W. Allen.
- “The Role of Property Rights in Determining the Environmental Quality – Income Relationship.” 2009. *Ecological Economics* 68:2511-2524. With Haimanti Bhattacharya.
- “Asymmetric Information and the Structure of Servitude Law.” 2009. *Journal of Legal Studies*. Vol. 38:89-120. With Antony Dnes.
- “Property Rights and the Environment.” 2008. *Arizona Law Review*. Vol 50: 373-377. With Kirsten Engel.
- “Economics of Property Law.” 2008. (in *The New Palgrave Dictionary of Economics*, 2<sup>nd</sup> ed. Steven Durlauf and Lawrence Blume).
- “Wildlife in American: Sustainability and Management.” 2008. (in *Resource Sustainability in America*, 2<sup>nd</sup> ed. Roger Sedjo).
- “Property Law.” 2007. *Handbook of Law and Economics*. A. Mitchell Polinsky and Steven Shavell, eds.) With Thomas Miceli.
- “Forest Management under the Endangered Species Act.” 2006. *Explorations in Environmental and Natural Resource Economics: Essays in Honor of Gardner M. Brown*, D. Layton and R. Halverson, eds. Edward Elgar Publishing Ltd. With Jeffrey A. Michael.
- “Agricultural Contracts.” In Claude Menard and Mary M. Shirley, eds. 2004. *Handbook of the New Institutional Economics* (Norwell MA: Kluwer Academic Publishers). With Douglas W. Allen.
- “Preemptive Habitat Destruction under the Endangered Species Act.” 2003. *Journal of Law & Economics* 46:27-60. With Jeffrey A. Michael.
- “Natural Resource Exploitation Under Common Property Rights.” 2003. *Natural Resource Modeling* 16: 1-29. With Michael R. Caputo.
- “The Gains from Self Ownership and the Expansion of Women’s Rights.” 2002. *American Economic Review* Vol. 92 No.4:1079-1092. With Rick Geddes.
- “The Extermination and Conservation of the American Bison.” 2002. *Journal of Legal Studies* 31:S609-S652.
- “A Transaction Cost Primer on Farm Organization.” 2001. *Canadian Journal of Agricultural Economics* 48: 643-652. With Douglas W. Allen.
- “A Hotelling-Faustmann Explanation of the Structure of Christmas Tree Pricing.” 2001. *American Journal of Agricultural Economics* Vol. 83:513-525. With Tomislav Vukina and Christiana E. Hilmer.
- “Searching for Ratchet Effects in Agricultural Contracts.” 1999. *Journal of Agricultural and Resource Economics* Vol.24 No.2: 536-552. With Douglas W. Allen.
- “The Role of Risk in Contract Choice.” 1999. *Journal of Law, Economics & Organization* Vol.15 No.3: 704-736. With Douglas W. Allen.

- “The Nature of the Farm.” 1998. *Journal of Law and Economics* Vol.41 No.2: 343-386. With Douglas W. Allen. [Summarized in *Economic Intuition: Executive Summaries of Leading Research in Management, Finance, and Economics* (1999).]
- “Auctions, Markets, and Spectrum Ownership: A Comment on Spiller and Moreton.” 1998. *Journal of Law and Economics* Vol.41 No.2 Part 2: 717-726.
- “First Possession.” in Peter Newman, ed. 1998. *The New Palgrave Dictionary of Economics and the Law*, Macmillan Press, Vol.2: 132-144.
- “Wildlife Law.” in Peter Newman, ed. 1998. *The New Palgrave Dictionary of Economics and the Law*, Macmillan Press, Vol.3: 696-701.
- “Why Do Family Farms Still Dominate Agriculture?” 1997. *Review of Economic Development* pp. 15-38. With Douglas W. Allen.
- “An Economic Analysis of Unitized and Non-Unitized Reservoirs.” in *Proceedings of the 1996 Society of Petroleum Engineers Annual Technical Conference*. (1996): 67-76. With Philip Schenewerk.
- “The Rule of First Possession and the Design of the Law.” 1995. *Journal of Law and Economics* Vol.38 No.2: 393-436.
- “Property Rights and the Economic Logic of Wildlife Institutions.” 1995. *Natural Resources Journal* Vol.35 No.3: 625-670.
- “Risk Preferences and the Economics of Contracts.” 1995. *American Economic Review* (Papers and Proceedings) Vol.85 No.2: 447-451. With Douglas W. Allen.
- “Market and Regulatory Forces in the Pricing of Legal Services.” 1995. *Journal of Regulatory Economics* Vol.7 No.1: 63-83. With Reed Olsen and Michael Ransom.
- “Modeling Common Property Ownership as a Dynamic Contract.” 1994. *Natural Resources Modeling* Vol.8 No.3: 225-245. With Michael R. Caputo.
- “Common Property as an Egalitarian Share Contract.” 1994. *Journal of Economic Behavior and Organization* Vol.25 No.2: 93-108.
- “Transaction Costs and the Design of Cropshare Contracts.” 1993. *RAND Journal of Economics* Vol.24 No.1: 78-100. With Douglas W. Allen.
- “Land Tenure and Agricultural Productivity on Indian Reservations.” 1992. *Journal of Law and Economics* Vol.35 No.2: 427-454. With Terry L. Anderson.
- “Contract Choice in Modern Agriculture: Cash Rent vs. Cropshare.” 1992. *Journal of Law and Economics* Vol.35 No. 2: 397-426. With Douglas W. Allen.
- “The Back Forty on a Handshake: Reputation, Specific Assets, and the Structure of Farmland Contracts.” 1992. *Journal of Law, Economics, and Organization* Vol.8 No.2: 366-376. With Douglas W. Allen. [Reprinted in Bruce Ackerman, Robert C. Ellickson, and Carol M. Rose, eds. *Fundamentals of Property Law* Little, Brown (1995).]

“Why Do States Regulate Admission to the Bar? Theories and Empirical Evidence.” 1991. *George Mason Law Review* Vol.14 No.2: 253-86. With Reed Olsen and Michael Ransom. [Reprinted in Sidney A. Shapiro and Joe Tomain, *Regulatory Law and Policy*, 2<sup>nd</sup> edition, Michie Company (1998).]

“Ownership and the Regulation of Wildlife.” 1991. *Economic Inquiry* Vol.29 No.2: 249-260.

“The Economic Nature of Wildlife Law.” 1989. *Journal of Legal Studies* Vol.18 No.2: 291-324.

## **WORKING PAPERS**

“Economic Organization and the Lease-Ownership Decision in Water.” December 2014. With Kyle J. Emerick. (under review at *Journal of Agricultural and Resources Economics*)

“A Legacy of History: 19<sup>th</sup> Century Land Demarcation and Agriculture California” with Gary D. Libecap and Adrian Lopes. April 2013.

“The Collapse of the Bison-Hunting Societies on the Great Plains.” April 2012.

“Contracting, Organization and the Behavior of Public Bureaucracy.” September 2009. With Dominic Parker. (revision in process for the *Journal of Law, Economics and Organization*).

## **WORK IN PROGRESS**

“The Effect of Checkerboard Land Patterns on Land Markets” With Sidra Haye. September 2014.

“Land Demarcation and the Great Roman Network.” December 2013. With Gary D. Libecap.

“The Domestication and Ownership of Wild Animals.” October 2010.

## **BOOKS**

*WILDFIRE POLICY: LAW AND ECONOMICS PERSPECTIVES*. 2012. (Resources for the Future Press. Co-edited with Karen Bradshaw.

*THE NATURE OF THE FARM: Contracts, Risk and Organization in Agriculture*. MIT Press (2003). With Douglas W. Allen.

## **BOOK CHAPTERS**

“Land Demarcation in Ancient Rome.” in Giuseppe Dari-Mattiacci, ed. *Roman Law and Economics* (in press). With Gary D. Libecap.

“Property and Natural Resources.” in Francesco Parisi ed. *Oxford Handbook of Law and Economics* (in press).

“Economic Organization and Wildfire Suppression.” in *WILDFIRE POLICY: LAW AND ECONOMICS PERSPECTIVES*. 2012. (Resources for the Future Press. Co-edited with Karen Bradshaw.

“First Possession as the Basis of Property.” In Terry L. Anderson and Fred S. McChesney, eds. *Property Rights: Contract, Conflict and Law*, Princeton University Press (2003), chapter 8, pp. 200-226.

“The Law and Politics of Federal Wildlife Preservation.” in Terry L. Anderson, ed. *Political Environmentalism*, Hoover Institution Press: Stanford, CA (2000).

- “Federalism and Wildlife Conservation in the West.” in Terry L. Anderson and Peter J. Hill, eds. *Environmental Federalism in the West*, Rowman & Littlefield Press (1997): 89-131. With Jonathan Yoder.
- “The Transaction Cost Approach to Agricultural Contracts.” in David Martimort, ed. *Agricultural Markets: Mechanisms, Failures, Regulations*, North-Holland Press (1996): 31-64. With Douglas W. Allen.
- “The Economic Organization of Wildlife Institutions.” in Terry L. Anderson and Peter J. Hill, eds. *Wildlife in the Market Place*, Rowman & Littlefield Press (1995): 1-24.
- “Contracting into the Commons.” in Terry L. Anderson and Randy Simmons, eds. *The Political Economy of Custom and Culture*, Rowman & Littlefield Press (1993): 43-60.
- “Agricultural Development and Land Tenure on Indian Country.” in Terry L. Anderson, ed. *Property Rights and Indian Economies*, Rowman & Littlefield Press (1992): 147-166. With Terry L. Anderson.

## BOOK REVIEWS

- Review of “The Evolution of a Nation: How Geography and Law Shaped the American States by Daniel Berkowitz and Karen B. Clay,” *Journal of Economic History*. Vol. 72, No. 3 (September 2012):839-41.
- Review of Lee J. Alson, Gary D. Libecap, and Bernardo Mueller, *Titles, Conflict, and Land Use: The Development of Property Rights and Land Reform on the Brazilian Amazon Frontier* in the *Journal of Economic Literature* Vol. 39, No.2 (June 2000):617-619.
- Review of Kyle D. Kauffman, editor. *New Frontiers in Agricultural History: Advances in Agricultural Economic History* in the *Journal of Economic History* Vol. 60, No.3 (September 2000):917-918.
- Review of Don E. Carlton, *A Breed So Rare: The Life of J.R. Parten, Liberal Texas Oil Man, 1896-1992* in the *Journal of Economic History* Vol. 59 No. 3 (October 1999):828-829.
- Review of Louis S. Warren, *The Hunter’s Game: Poachers and Conservationists in Twentieth-Century America* in the *Journal of Economic History* Vol. 58 No. 4 (December 1998): 1170-1171.
- Review of Thomas S. Morris, *Southern Slavery and the Law, 1619-1860* in the *Journal of Economic History* (December 1997): 969-970.
- Review of Glenn G. Stevenson, *Common Property Economics* in the *Journal of Economic Literature* Vol. 31 No. 1 (March 1993): 283-285.
- Review of Elinor Ostrom, *Governing the Commons* in *Constitutional Political Economy* Vol. 3 No. 2 (Spring/Summer 1992): 279-282.

## GRANTS

- 2013 “The Economic Structure of Water Market Transactions.” \$15,000. Earhart Foundation Fellowship Research Grant.
- 2008-2010 Extension “Lowering Transaction Costs through Institutional Arrangements: The Causes and Consequences of the Rectangular Survey in Assigning Property Rights to Land.” \$158,000. National Science Foundation
- 2008 PERC Lone Mountain Fellowship. “The Economics of Domestication.” \$8,000.
- 2006-2008 “Lowering Transaction Costs through Institutional Arrangements: The Causes and Consequences of the Rectangular Survey in Assigning Property Rights to Land.” \$208,000. National Science Foundation.

- 2002-2003 “The Organization and Behavior of Bureaucracy: An Empirical Analysis of State Wildlife Agencies.” \$15,000. Earhart Foundation Fellowship Research Grant.
- 2000-2001 “The Economics of Conservation Easements.” \$12,000. Maytag Foundation grant.
- 1999-2000 “The Economics of Wildlife Regulation and Game Department Behavior.” \$20,000. D and D Foundation research grant.
- 1998-1999 “Petroleum Conservation in Montana, North Dakota, and Wyoming: A Study of Oil Field Unitization Agreements.” \$2,000. Political Economy Research Center research grant for masters thesis research.
- 1998-1999 “The Effect of the Endangered Species Act on the Management of Private Forests.” \$15,000. Earhart Foundation Fellowship Research Grant.
- 1997-1998 “The Effect of Listing the Red-Cockaded Woodpecker as an Endangered Species on the Management of North Carolina Forests.” \$8,000. College of Agriculture and Life Sciences, North Carolina State University.
- 1995-1998 “Transaction Costs and Agricultural Contracts.” \$103,049. National Science Foundation Research Grant, 1995-1998.
- 1995 “Transaction Costs in Agriculture.” \$5,000. Center for Research on Contracts and the Structure of Enterprise, Katz Business School, University of Pittsburgh, 1995.
- 1993-1994 “A Study of Conservation Regulation: Reservoir-Wide Unitization and Large Tract Leasing of Oil and Gas in Louisiana.” \$19,470. Resources for the Future Small Grant Award, 1993-1995.
- 1993 “Wildlife Trade and the Protection of Wild Populations.” \$12,000. Earhart Foundation Fellowship Research Grant, 1993.
- 1993 “Farmland Leasing and Ownership in Louisiana.” \$6,000. LSU College of Business Administration Summer Research Grant, 1993.
- 1993 “Farmland Leasing and Ownership in Louisiana.” \$500. LSU Real Estate Research Institute, 1993.
- 1993 “Agricultural Contracts.” \$30,000. The Social Science and Humanities Research Council of Canada (with Douglas W. Allen), 1993.
- 1992 “The Economics of Landowner-Farmer Contracts in Modern Agriculture.” \$6,000. LSU Council on Research Summer Faculty Research Award, 1992.
- 1989-1990 “The Economics of Share Contracts.” \$3,750. BYU Summer Research Grant, 1989-1990.

### PROFESSIONAL REFEREE

*American Economic Review, American Journal of Agricultural Economics, American Law and Economics Review, Canada Council for the Arts, Economic Inquiry, Encyclopedia of Law and Economics, European Economic Review, Handbook of the New Institutional Economics, Journal of Agricultural and Resource Economics, Journal of Economic Behavior and Organization, Journal of Economic History, Journal of Environmental Economics and Management, Journal of Labor Economics, Journal of Law and Economics, Journal of Law, Economics, & Organization, Journal of Legal Analysis, Journal of Political Economy, Journal of Policy Analysis and Management, Journal of Regulatory Economics, Land Economics, MIT Press, National Science Foundation, Natural Resources Journal, Quarterly Journal of Economics, Quarterly Journal of Economics and Business, RAND Journal of Economics, Social Science and Humanities Research Council of Canada, University of Chicago Press.*

### PUBLIC OUTREACH & PROFESSIONAL SERVICE

- Guest Lecture, “Wildfire Suppression: Economics, History and Policy,” Annual Scientific Meetings of the Malpai Borderlands Group, January 9, 2013.
- Board of Directors, International Society for New Institutional Economics. June 2012 – present.
- Co-Organizer, Symposium on “Wildfire: Economics, Law and Policy,” University of Arizona, forthcoming November 12-13, 2010.

- Guest Lecture, “Economic Incentives under the ESA,” University of Arizona Environmental Summit, April 22, 2009.
- Co-Organizer, Symposium on “Property in Environmental Assets: Economic and Legal Implications,” University of Arizona, October 26, 2007.
- Board of Directors, International Society for New Institutional Economics. June 2007 – 2010.
- Editorial Council, *Journal of Agricultural and Resource Economics*, 2006-2009.
- Program Committee Chair for the 2006 annual meeting of the International Society for New Institutional Economics.
- Introduction for Gary D. Libecap’s presidential address to the Western Economics Association annual meetings, San Diego, California. July 1, 2006.
- Member of the Scientific Advisory Committee for the Malpai Borderlands Group, Douglas, Arizona. October 2005 – present.
- Co-Organizer (with George Frisvold and Russ Tronstad) of the 2005 University of Arizona Ag Business Forum, “Urbanization and Agriculture,” Tempe, Arizona. February 2005.
- Co-Organizer (with Jon Cannon), Olin Conference on Watershed Management, University of Virginia, School of Law, March 2003.
- Moderator, Panel on “Federal Wildfire Policy for Public Lands,” Conference on Public Interest and the Law, University of Virginia, School of Law, March 2003.
- Lecture on “Bison Conservation” to the Environmental Law Forum, University of Virginia, School of Law, November 2002.
- Program organizer for the M.L. Wilson Distinguished Lecture at Montana State University, 1997-2002.
- Member of the Nominating Committee (Robert T. Deacon, Chair) for the Western Economic Association, 2002.
- Team Leader for “Changing Values, Changing Times” project on wildlife management sponsored by FWP and USFS. (1: participated in planning meeting in Missoula, January 15, 2002. 2: led discussion on “Markets and Natural Resources” in Bozeman, May 30, 2002).
- Guest speaker, Montana Natural Resource Leadership Institute, March 15, 2002. Helena, MT. “Markets and Natural Resources.” Sponsored by the Montana Consensus Council.
- Faculty host for Markus Brem, an economics Ph.D. student from Humboldt University in Berlin, Germany, Fall 2001.
- Member of the Association of Environmental and Resource Economics Site Selection Committee (Charles Howe, Chair) for 2<sup>nd</sup> World Congress of Resource and Environmental Economists. 2000.
- “The Efficacy of the Endangered Species Act.” Debate with Professor Jeffrey Rachlinski, Law School, Cornell University, Ithaca, NY, April 2000.
- Lecture on “The Economics of Wildlife Management” in a graduate course (FW 520) in *Wildlife Management*. Montana State University, Fall 2000.
- PERC summer lecture to undergraduates on: “The Law and Economics of Wildlife Management,” July 1999.
- Lecture to Stanford Law students: “The Law and Economics of Wildlife Management,” April 1999.
- Lecture to BYU undergraduates: “The Law and Economics of Wildlife Management,” March 1999.
- Guest lectures: “The Economics of Wildlife Law” in an Environmental Law course and “The Economic Approach to Conservation” in a Conservation Biology course at North Carolina State University (April 1997).
- Scientific Advisory Panel for the Center for Environmental Education Research. Served as an expert on the economics of wildlife for *Facts, Not Fear: A Parent’s Guide to Teaching Children About the Environment* by Michael Sanera and Jane S. Shaw published by Regnery Press, 1996.
- Lecture on “The Economics of Farm Organization” in a course titled *Ownership and Control of Enterprise*, Yale Law School, Fall 1994.

## CONFERENCES

- Wildland Fire Litigation Conference, Monterey, California, April 25-27, 2014.
- LEC-PERC Workshop on the Law and Economics of Environmental Federalism, Case Western Reserve University School of Law, October 17-20, 2013.
- Workshop on the Institutions of Property Rights, Free University of Bolzano, Bolzano Italy, September 12, 2013
- German Law and Economic Association annual meetings, September 13-14, 2013/
- National Bureau of Economic Research. Law and Economics Program Meeting, Cambridge, Massachusetts, February 28-March 1, 2013.

- Annual Scientific Meetings of the Malpai Borderlands Group, Douglas, Arizona, January 9, 2013.
- Ronald Coase Institute, Workshop on Economic Institutions, Santiago, Chile, December 9-15, 2013.
- “Tackling the Global Fisheries Challenge” PERC, Bozeman, Montana, November 14-15, 2012.
- “Arizona Energy and Environmental Policy Conference” organized by University of Arizona Department of Economics and Institute for the Environment. Tucson, Arizona, May 15-16, 2012.
- PERC Conference on “The Political Economy of Environmental Collapse” Clemson, South Carolina, April 12-15, 2012
- “Contracts, Procurement and Public-Private Agreements.” conference organized by IAE Paris - University of Paris I Pantheon-Sorbonne. May 30-31, 2011.
- “The Role of Property Rights and Institutions in North American Indian Economies.” conference organized by the “Property and Environment Research Center, August 8-10, 2010, Bozeman, Montana.
- “Law and Economics of Climate Change.” University of Pennsylvania Law School, October 2009, Philadelphia, Pennsylvania.
- “The Law and Economics of Intellectual Property.” Boston University Law School, April 2009, Boston, Massachusetts.
- “The Roundtable on Solomon’s Knot: How Can Law End the Poverty of Nations.” Searle Center on Law, Regulation and Economic Growth, Northwestern University Law School, December 10-11, 2008. Chicago, Illinois.
- “The Law and Economics of Innovation Roundtable.” Searle Center on Law, Regulation and Economic Growth, Northwestern University Law School, Jan 31- Feb 1, 2008. Chicago, Illinois.
- “Property in Environmental Assets: Economics and Legal Implications.” Symposium sponsored by the Program on Economics, Law and the Environment, University of Arizona. October 26, 2007. Tucson, Arizona.
- “9th Occasional Meetings on Environmental and Resource Economics.” University of California, Santa Barbara, November 3-4, 2006.
- “The Economics of Recreational Fisheries Management.” conference organized by the Property and Environment Research Center, October 4-6, 2006, Emigrant, Montana.
- “Frontiers in Natural Resource and Environmental Economics.” conference on Honor of Gardner M. Brown, Department of Economics, University of Washington, April 2003.
- “John M. Olin. Conference on Watershed Management.” University of Virginia School of Law, March 2003.
- “Federal Wildfire Policy for the Public Lands.” Conference on Public Service and the Law, University of Virginia School of Law, March 2003.
- “The Law and Economics of Contracts and Festschrift to the Work of Charles J. Goetz and Robert E. Scott.” Olin Conference on Law and Economics, University of Virginia School of Law, September 2002.
- “The Economics of Fisheries Regulation.” Conference sponsored by the Political Economy Research Center, March 2002.
- “The Barzel Conference: In Honor of Yoram Barzel’s 70<sup>th</sup> Birthday.” University of Washington, Seattle, WA, December 16, 2001.
- “The Evolution of Property Rights.” Northwestern University Law School, Chicago, April 20-22, 2001.
- “A Critique of Free Market Environmentalism.” Conference held at Big Sky, MT, April 1-3, 2001.
- Conference: “The Economics of Contracting in Agriculture.” Canadian Society of Agricultural Economists, Saskatoon, SK, Canada, December 8-9, 2000.
- Workshop on “Effectiveness of Resource and Environmental Regulation.” Association of Environmental and Resource Economists. La Jolla, CA. June 11-13, 2000.
- Workshop on “Contracting in Agriculture,” USDA Economic Research Service. Washington, D.C. May 23-24, 2000.
- Conference on the Law and Economics of Property Rights, Hoover Institution, Stanford, CA. May 15-16, 2000.
- “The Technology of Property Rights.” Conference sponsored by the Political Economy Research Center, December 2-4, 1999.
- “12<sup>th</sup> Annual Western Conference, Advanced Workshop in Regulation and Competition: Meeting the Competitive Challenge in Network Industries.” Center for Research in Regulated Industries, San Diego, July 6-7, 1999.
- “Northeast Universities Development Consortium” 1998 Annual Conference, Yale University, October 16-17, 1998.

- “The Common Law and the Environment.” Conference sponsored by the Political Economy Research Center, October 1-4, 1998.
- “World Congress of Environmental and Resource Economists.” Venice, ITALY, June 25-27, 1998.
- “Protecting Endangered Species: Alternatives to Legislation.” Fraser Institute, Vancouver, BC, Canada. April 15, 1998.
- “Inaugural Conference for the International Society for New Institutional Economics.” Washington University, St. Louis, September 19-21, 1997.
- “Research Transformations in Environmental Economics: Policy Design in Response to Global Change.” Center for Environmental and Resource Economics and NOAA, Duke University, May 5-6, 1997.
- “Camp Resources IV.” Triangle Resource and Environmental Economists. Wilmington, NC. August 20-21, 1996.
- “The Law and Economics of Property Rights to the Radio Spectrum.” Tomales Bay, CA. July 27-29, 1996.
- “Environmental Federalism in the West.” Conference sponsored by the Political Economy Research Center, June 13-16, 1996.
- “Industrial Organization and the Food-Processing Industry.” Institut d’Economie Industrielle, University of Toulouse, France, March 28-29, 1996.
- “Institutions and Economic Performance in the Past.” Institute of Economics, University of Copenhagen, September 29-30, 1995.
- “Camp Resources III.” Triangle Resource and Environmental Economists. Wilmington, NC. August 18-19, 1995.
- “EcoRealism: Toward the Next Generation of Environmental Policy.” Yale Law School, New Haven, CT. April 8, 1995
- “Social Benefits of Education: Can They Be Measured?” United States Department of Education, Washington, D.C. January 3-4, 1995.
- “Agricultural Markets: Mechanisms, Failures, Regulations” Institut d’Economie Industrielle, University of Toulouse, France, October 21-23, 1993.
- “Wildlife in the Marketplace.” Conference Sponsored by the Political Economy Research Center, June 1993.
- “The Political Economy of the American West.” Conference Sponsored by the Political Economy Research Center, June 1992.
- “The Political Economy of Customs and Culture: Informal Solutions to the Commons Problem.” Conference sponsored by the Political Economy Research Center, June 1991.
- “Constitutions, Property Rights, and Indian Economies.” Conference sponsored by the M.J. Murdock Charitable Trust, June 1989.

## **PROFESSIONAL PRESENTATIONS**

2014

- Wildland Fire Litigation Conference , “The Economic Evolution of Wildfire Suppression” Monterey, California, April 25-27, 2014.
- Annual meetings of the American Law and Economics Association, New York. “Land Demarcation and the Great Roman Network.”
- Annual meetings of the International Society for New Institutional Economics, Toronto. “Land Demarcation and the Great Roman Network.”
- “Land Demarcation: Law and Economic Perspective on Property”, Erasmus Mundus Lecture in Law and Economics, University of Bologna, Bologna, Italy.

2013

- University of Southern California School of Law. “Land Demarcation and the Great Network of Ancient Rome.”
- University of Wisconsin. “Land Demarcation and the Great Network of Ancient Rome.”
- Workshop on the Institutions of Property Rights, Free University of Bolzano, Bolzano Italy, “Economic Organization and Wildfire Suppression.”
- German Law and Economic Association annual meetings, “Land Demarcation and the Great Network of Ancient Rome; and “Economic Organization and Wildfire Suppression.”
- Clemson University. “A Legacy of History: 19<sup>th</sup> Century Land Demarcation and Agriculture in California.”

2012

Workshop on Institutional Analysis sponsored by the Ronald Coase Institute, Diego Portales University, Santiago Chile. “Economic Institutions and the Natural Environment”

Conference on Arizona Energy and Environmental Policy, University of Arizona. “Economic Organization and the Lease – Ownership Decision in Water.”

University of Virginia School of Law. “A Legacy of History: 19<sup>th</sup> Century Land Demarcation and Agriculture California.”

PERC Conference on “The Political Economy of Environmental Collapse” Clemson, SC. “The Collapse of the Bison-Hunting Societies on the Great Plains.”

2011

Collegio Carlo Alberto, Moncalieri, ITALY. “The Demarcation of Land and the Role of Coordinating Property Institutions.”

University of Illinois School of Law. “The Demarcation of Land and the Role of Coordinating Property Institutions.”

George Mason University Law School. “The Demarcation of Land and the Role of Coordinating Property Institutions.”

University of Bologna ITALY. “The Demarcation of Land and the Role of Coordinating Property Institutions.”

University of Paris I Pantheon-Sorbonne, FRANCE. “The Demarcation of Land and the Role of Coordinating Property Institutions.”

Universitat Pompeu Fabra, Barcelona, SPAIN. “The Demarcation of Land and the Role of Coordinating Property Institutions.”

CUNEF, Madrid, SPAIN. “The Demarcation of Land and the Role of Coordinating Property Institutions.”

Conference on Contracts, Procurement and Public-Private Agreements Paris, FRANCE. “Economic Organization and the Lease – Ownership Decision in Water.”

2010

Symposium on Wildfire: Economics, Law and Policy at the University of Arizona. “The Economic Organization of Wildfire Suppression.”

Resources for the Future. “The Demarcation of Land and the Role of Coordinating Institutions.”

Montana State University. “The Demarcation of Land and the Role of Coordinating Institutions.”

Washington State University. “The Demarcation of Land and the Role of Coordinating Institutions.”

Annual meetings of the American Law and Economics Association, Princeton University. “Economic Organization and the Lease – Ownership Decision in Water.”

Annual meetings of the International Society for new Institutional Economics, Sterling University, SCOTLAND. “Economic Organization and the Lease – Ownership Decision in Water.”

University of Siena, ITALY. “The Demarcation of Land and the Role of Coordinating Institutions.”

2009

Haas School of Business University of California - Berkeley. “The Demarcation of Land.”

University of Arizona. “The Demarcation of Land and the Role of Coordinating Institutions.”

Boston University School of Law. “Possession Rules in Property – Implications for IP.”

Conference on Empirical Legal Studies, USC Law School, Los Angeles. “The Demarcation of Land and the Role of Coordinating Institutions.”

Australian National University, Canberra, AUSTRALIA. “The Demarcation of Land and the Role of Coordinating Institutions.”

Monash University, Melbourne, AUSTRALIA. The Demarcation of Land and the Role of Coordinating Institutions.”

2008

Annual meetings of the American Economic Association, New Orleans. “The Demarcation of Land.”

University of Hawaii. “The Demarcation of Land.”

Annual meetings of the American Law and Economics Association, New York. “The Demarcation of Land.”

Annual meetings of the International Society for New Institutional Economics, Toronto. “The Demarcation of Land.”

University of Chicago School of Law. “The Demarcation of Land.”  
Harvard Law School. “The Demarcation of Land.”  
Northwestern University School of Law. “The Demarcation of Land.”  
Cornell Law School. “The Demarcation of Land.”

2007

Workshop on Law, Economics, and Organization, Yale University. “The Rectangular Survey versus Metes and Bounds: Systematic and Unsystematic Land Demarcation.”  
Annual meetings of the European Association of Law and Economics, Copenhagen, DENMARK. “The Rectangular Survey versus Metes and Bounds: Systematic and Unsystematic Land Demarcation.” and “The Effects of the Expansion of Women’s Rights.”  
Annual meetings of the International Society for the New Institutional Economics, Reykjavik, ICELAND. “The Rectangular Survey versus Metes and Bounds: Systematic and Unsystematic Land Demarcation.” and “The Effects of the Expansion of Women’s Rights.”

2006

Annual meetings of the International Society for the New Institutional Economics, Boulder, Colorado. “The Organization and Behavior of Bureaucracy: The Case of the Wildlife Agency.”  
Annual meetings of the Western Economic Association, San Diego. “The Organization and Behavior of Bureaucracy: The Case of the Wildlife Agency.”  
Cornell University. “The Organization and Behavior of Bureaucracy: The Case of the Wildlife Agency.”

2005

University of California – Santa Barbara. “The Organization and Behavior of Bureaucracy: The Case of the Wildlife Agency.”  
Annual meetings of the American Agricultural Economics Association, Providence, Rhode Island. “The Organization and Behavior of Bureaucracy: The Case of the Wildlife Agency.”  
Annual meetings of the American Law and Economics Association, New York University. “The Organization and Behavior of Bureaucracy: The Case of the Wildlife Agency.”

2004

Stanford University Law School. “Property Law.”  
University of Michigan Law School. “Property Law.”  
European Institute for the New Institutional Economics, Corsica, FRANCE. Lecture on Property Rights.  
Plenary Address at the 8<sup>th</sup> Annual meeting of the International Society for the New Institutional Economics, Tucson, Arizona. “Yoram Barzel and the New Institutional Economics.”  
Workshop on Institutional Analysis, The Ronald Coase Institute, Tucson, Arizona. “Empirical Work in Agricultural Contracts.”

2003

University of Toronto. “The Extermination and Conservation of the American Bison.”  
*Frontiers in Natural Resource and Environmental Economics*, Conference on Honor of Gardner M. Brown, University of Washington. “Forest Management under the Endangered Species Act.”  
University of Pennsylvania Law School. “Common Law, Statute Law and the Conservation Easement.”  
University of Arizona. “Preemptive Habitat Destruction under the Endangered Species Act.”  
Resources for the Future. “Common Law, Statute Law and the Conservation Easement.”

2002

Montana Natural Resources Leadership Institute, Carroll College, Helena, Montana. “Markets and Natural Resources.”  
Annual meetings of the American Law and Economics Association, Harvard University. “The Extermination and Conservation of the American Bison.”  
Annual meetings of the Western Economic Association, Seattle. “Common Law, Statute Law and the Birth of the Conservation Easement.”

University of Virginia Law School. “The Extermination and Conservation of the American Bison.”

2001

Washington State University. “The Control of Assets: Ownership and Contracting in Agriculture.”

Montana State University. “The Control of Assets: Ownership and Contracting in Agriculture.”

Conference on *The Evolution of Property Rights*, held at Northwestern University. The Extermination and Conservation of the American Bison.”

Oklahoma State University. “The Control of Assets: Ownership and Contracting in Agriculture.”

Waikato University, Hamilton, NEW ZEALAND. “The Control of Assets: Ownership and Contracting in Agriculture.”

Keynote address to the Annual General Meeting of the Law and Economics Association of New Zealand, Wellington, NEW ZEALAND. “Ronald Coase Visits the Farm: Contracts and Organization in Agriculture.”

Western Economics Association annual meetings, San Francisco. “The Control of Assets: Ownership and Contracting in Agriculture.”

The Barzel Conference: In Honor of Yoram Barzel’s 70<sup>th</sup> Birthday, University of Washington, Seattle. “The Extermination and Conservation of the American Bison.”

2000

Workshop on Contracting in Agriculture, USDA, Washington, DC. “Incentives and Efficient Agricultural Contracts.”

Conference on the Law and Economics of Property Rights, Hoover Institution, Stanford University. “First Possession as the Basis of Property.”

Stanford Law School. “The Law and Economics of Wildlife Management.”

Cornell University. “Preemptive Habitat Destruction under the Endangered Species Act.”

Debate with Professor Jeffrey Rachlinski, Law School, Cornell University. “The Efficacy of the Endangered Species Act.”

University of Pennsylvania Law School. “Preemptive Habitat Destruction under the Endangered Species Act.”

Association of Environmental and Resource Economics Workshop, La Jolla, California. “Preemptive Habitat Destruction under the Endangered Species Act.”

Conference: The Economics of Contracting in Agriculture. Saskatoon, SK, Canada. Efficient Incentives in Agricultural Contracts and Organization.”

1999

American Economic Association annual meetings, New York City. “Self Ownership and the Rights of Women.” and “Preemptive Habitat Destruction under the Endangered Species Act.”

Brigham Young University. “Preemptive Habitat Destruction under the Endangered Species Act.” and lecture to undergraduate students.

University of Calgary. “Preemptive Habitat Destruction under the Endangered Species Act.”

Stanford University Law School. “Preemptive Habitat Destruction under the Endangered Species Act.”

American Law and Economics Association annual meetings, Yale University. “Preemptive Habitat Destruction under the Endangered Species Act.”

Advanced Workshop in Regulation and Competition: Meeting the Competitive Challenge in Network Industries, Center for Research in Regulated Industries. “Preemptive Habitat Destruction under the Endangered Species Act.”

1998

Northwestern University. “Self Ownership and the Rights of Women.”

University of Illinois. “Self Ownership and the Rights of Women.”

University of Arizona. “Self Ownership and the Rights of Women.”

Protecting Endangered Species: Alternatives to Legislation.” Fraser Institute, Vancouver, BC, Canada. “Forest Management Under the Endangered Species Act.”

University of Georgia. “Self Ownership and the Rights of Women.”

World Congress of Environmental and Resource Economists, Venice, ITALY. “A Theory of Natural Resource Use under Common Property Rights.”

Northeast Universities Development Consortium Annual Conference, Yale University. “Self Ownership and the Expansion of Women’s Rights.”

1997

Montana State University. “Risk Sharing and Agricultural Contracts,” and “The Nature of the Farm.”

George Mason University Law School. “Self Ownership and the Rights of Women.”

Wake Forest University. “Self Ownership and the Rights of Women.”

American Law and Economics Association annual meetings, Toronto. The Economics of Petroleum Conservation.”

American Petroleum Institute, Washington, D.C. “The Economics of Petroleum Conservation.”

Inaugural Conference for the International Society for New Institutional Economics. St. Louis. “Self Ownership and the Rights of Women.”

1996

Conference on “Industrial Organization and the Food-Processing Industry” Institut d’Economie Industrielle, University of Toulouse, FRANCE. “The Nature of the Farm.”

American Law and Economics Association annual meetings, Chicago. “The Nature of the Farm” and “Self-Ownership and the Rights of Women.”

Conference on “Environmental Federalism in the West” sponsored by PERC, Bozeman, MT. “Federalism and Wildlife Conservation in the West.”

University of South Carolina. “The Nature of the Farm.”

Annual Technical Meetings of the Society of Petroleum Engineers, Denver. “The Economics of Unitized and Non-Unitized Production.”

Triangle Economic History Workshop, National Humanities Institute, Raleigh, NC. “Self Ownership and Women’s Rights: A Historical Perspective.”

1995

American Economic Association annual meetings, Washington, D.C. “Risk Preferences and the Economics of Contracts,”

Columbia University School of Law. “The Rule of First Possession and the Design of the Law.”

University of Connecticut. “The Rule of First Possession and the Design of the Law.”

Colby College, “The Economics of Farm Contracts and Farm Organization,”

University of Michigan. “Risk, Uncertainty, and Contracts,”

University of Pittsburgh. “Risk, Uncertainty, and Contracts.”

Policy Analysis Department, American Petroleum Institute, Washington, D.C. “The Law and Economics of Petroleum Conservation,”

University of Quebec-Montreal. “Risk, Uncertainty, and Contracts.”

North Carolina State University. “The Rule of First Possession and the Design of the Law.”

Center for Law, Economics, and Public Policy, Yale Law School, Yale University. “The Law and Economics of Petroleum Conservation,”

University of California - Davis. “The Nature of the Farm.”

North Dakota State University. “Risk, Uncertainty, and Contracts.”

Conference on “Institutions and Economic Performance in the Past” sponsored by the Institute of Economics, University of Copenhagen, DENMARK “The Nature of the Farm.”

University of Kentucky. “The Nature of the Farm.”

1994

American Economic Association annual meetings, Boston. “Common Property and Natural Resources.”

Oregon State University “Common Property as an Egalitarian Share Contract.”

North Carolina State University. “Risk, Uncertainty, and Contracts.”

Louisiana State University. “Risk, Uncertainty, and Contracts.”

University of California - Davis “Risk, Uncertainty, and Contracts,”

University of California - Santa Barbara. “Risk, Uncertainty, and Contracts.”  
UCLA “Risk, Uncertainty, and Contracts.”  
Yale Law School, Yale University. “Risk, Uncertainty, and Contracts.”  
George Mason University Law School. “The Rule of First Possession and the Design of the Law.”  
Texas A&M University. “Risk, Uncertainty, and Contracts.”  
University of Massachusetts. “Risk, Uncertainty, and Contracts.”

1993

Washington University. “The Commons and the Law,”  
American Law and Economics Association annual meetings, Chicago. “The Commons and the Law.”  
Conference on “Wildlife in the Marketplace” sponsored by the Political Economy Research Center, Bozeman, MT. “The Economic Organization of Wildlife Institutions.”  
Western Economic Association annual meetings, San Francisco. “The Commons and the Law,”  
Canadian Law and Economics Association annual meetings, Toronto.  
“The Commons and the Law,”  
Conference on “Agricultural Markets: Mechanisms, Failures, Regulations” sponsored by the Institut d’Economie Industrielle, University of Toulouse, FRANCE. “Risk, Uncertainty, and Contracts.”

1992

LSU Law School, Louisiana State University. “The Economics of Wildlife Law,”  
Florida State University. “Common Property as an Egalitarian Share Contract,”  
American Economic Association annual meetings, New Orleans. “Common Property as an Egalitarian Share Contract,”  
Western Economic Association annual meetings, Lake Tahoe. “Market and Regulatory Forces in the Pricing of Legal Services,”

1991

Simon Fraser University “Common Property as an Egalitarian Share Contract,”  
Western Economic Association annual meetings, Seattle. “Reputation, Specific Assets, and the Structure of Farmland Contracts,”  
University of California - Berkeley. “Contract Choice in Modern Agriculture,”  
University of California - Davis. “Contract Choice in Modern Agriculture,”  
University of Alberta. “Contract Choice in Modern Agriculture,”  
American Economic Association annual meetings, Washington, D.C. “Contract Choice in Modern Agriculture,”  
Louisiana State University. American Economic Association annual meetings, Washington, D.C.  
LSU Law School, Louisiana State University. “Reputation, Specific Assets, and the Structure of Farmland Contracts,”

1990

American Economic Association annual meetings, Washington, D.C. “Land Tenure and Agriculture on Indian Reservations,”  
Department of Economics, Simon Fraser University “Land Tenure and Agriculture on Indian Reservations,”  
Western Economic Association annual meetings, San Diego. “Land Tenure and Agriculture on Indian Reservations,”  
Department of Finance, Business, and Economics, University of Southern California.  
“Land Tenure and Agriculture on Indian Reservations,”  
Brigham Young University. “Land Tenure and Agriculture on Indian Reservations,”

1989

Western Economic Association annual meetings, San Francisco. “Contract Choice in Modern Agriculture,”  
Conference on “Constitutions, Property Rights and Indian Economies” sponsored by the Political Economy Research Center, Bozeman, MT. “Land Tenure and Agriculture on Indian Reservations,”  
Brigham Young University. “Contract Choice in Modern Agriculture,”

Southern Economics Association annual meetings, San Antonio. “Land Tenure and Agriculture on Indian Reservations,”

1988

Brigham Young University. “Ownership and Regulation of Wildlife,”

Clemson University. “Ownership and Regulation of Wildlife,”

Western Economics Association annual meetings, Los Angeles. “The Economic Nature of Wildlife Law,”

## **COURSES TAUGHT**

### Undergraduate Economics

Principles of Economics  
Introductory Microeconomics  
Introductory Macroeconomics  
Intermediate Microeconomics  
Law and Economics  
Natural Resource Economics (current)  
Industrial Organization  
Farm & Ranch Management  
Seminar: Economics of Wildlife

### Graduate Economics

Law and Economics  
Natural Resource Economics  
Transaction Costs in Contracts & Organization  
Seminar in Research Methodology  
Seminar in Economics, Law and the Environment (current)

### Law

Federal Land and Natural Resources Law  
Law, Economics & Organization  
Law and Economics of the Natural Environment  
Natural Resource Law (current)  
Property Theory  
Seminar in Economics, Law and the Environment (current)