

HEIDI J. ALBERS

Department of Forest Resources, College of Forestry
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CURRENT POSITION

Associate Professor, Forest Resources, Oregon State University. (7/04-present)

EDUCATION

Ph.D. in Economics. University of California at Berkeley, Department of Economics. (1993)
Fields: Natural Resource and Environmental Economics, Development Economics.
Dissertation: "Economic Management of Tropical Forests: Irreversibility, Uncertainty, and Spatial Constraints."

Master of Environmental Studies. Yale School of Forestry and Environmental Studies. (1987)
Focus on natural resource economics.

Bachelor of Science. Duke University. (1985) Majors: Geology and Economics.

PUBLICATIONS (refereed or peer-reviewed)

- "Spatial-Temporal Aspects of Cost-benefit Analysis for Park Management: An Example from Khao Yai National Park, Thailand" Heidi J. Albers and Elizabeth J. Z. Robinson. Forthcoming in *Journal of Forest Economics*.
- "Implications of Agricultural Policy for Species Invasion in Shifting Cultivation Systems" Heidi J. Albers, Michael J. Goldbach, and Daniel T. Kaffine. *Environment and Development Economics* **11**:4:429-452. August, 2006.
- "The Economics of Terrestrial Biodiversity Conservation in Developing Nations." Heidi J. Albers and Paul Ferraro. in **Economic Development and Environmental Sustainability: New Policy Options**. Ramon Lopez and Michael A. Toman, editors. Oxford University Press. Oxford, UK. 416 pp. August 2006.
- "The Impact of NTFP Sales on Rural Households' Cash Income in India's Dry Deciduous Forest" Ajay Kumar Mahapatra, Heidi J. Albers, and Elizabeth J. Z. Robinson. *Environmental Management* **25**:3, March, 2005.
- "Biodiversity" Jeffrey A. McNeely, Daniel P. Faith, and Heidi J. Albers, Coordinating Lead Authors. Chapter 5 in **Ecosystems and Human Well-Being: Policy Responses**. Millennium Ecosystem Assessment, editors. Island Press. 2005.
- "Enforcement, Payments, and Development Projects near Protected Areas: How the Market Setting Determines What Works Where" Jeffrey Muller and Heidi J. Albers. *Resource and Energy Economics* **26** (2004) 185-204. Special Issue on Biodiversity.
- "Could State-Level Variation in the Number of Land Trusts Make Economic Sense?" Heidi J. Albers and Amy W. Ando. *Land Economics* **79**:3:311-327. August, 2003.
- "How Markets Alter the Effectiveness of Enforcement, Payments, and Agricultural Projects Near Protected Areas." Heidi J. Albers and Jeffrey Muller. *ASEAN Biodiversity*. **2**:2. April-June, 2002.

- “The Impact of Markets and Policy on Spatial Patterns of Non-Timber Forest Product Extraction” Elizabeth J.Z. Robinson, Jeffrey C. Williams, and Heidi J. Albers. *Land Economics*. **78**:2:260-271. May, 2002.
- “Irreversible Ecosystem Change, Species Competition, and Shifting Cultivation” Heidi J. Albers and Michael J. Goldbach. *Resource and Energy Economics* **22** (2000) 261-280.
- “Forests Under Economic Reform in China.” Scott D. Rozelle, Heidi J. Albers, and Li Guo. *China Information*. **13**:1:106-130, 1998.
- “China’s Forests Under Economic Reform: Timber Supplies, Environmental Protection, and Rural Resource Access.” Heidi J. Albers, Scott D. Rozelle, and Li Guo. *Contemporary Economic Policy*. **26**:22-33. January, 1998.
- “A Comparison of the Enforcement of Access Restrictions Between Xishuangbanna Nature Reserve (China) and Khao Yai National Park (Thailand)” Heidi J. Albers and Elisabeth Grinspoon. *Environmental Conservation*. **24**:4:351-362, 1997.
- “Economic Management of Tropical Forests: Reply.” *Journal of Environmental Economics and Management*. **33**: 214-219, 1997.
- “Valuation of Tropical Forests: Implications of Uncertainty and Irreversibility” Heidi J. Albers, Anthony C. Fisher, and W. Michael Hanemann. *Environmental and Resource Economics*. **8**: 39-61, 1996.
- “Modeling Ecological Constraints on Tropical Forest Management: Spatial Interdependence, Irreversibility and Uncertainty.” *Journal of Environmental Economics and Management*. **30**, 73-94, 1996.
- “The Benefits of Reducing Exposure to Waste Disposal Sites: A Hedonic Housing Value Approach,” Mark Thayer, Heidi Albers, and Morteza Rahmatian, *Journal of Real Estate Research*. **7**:3, 265-282, 1992.

OTHER ARTICLES (non-peer reviewed) and PUBLICATIONS

- “Equilibrium Patterns of Land Conservation: Crowding In/Out, Agglomeration, and Policy.” Heidi J. Albers, Amy W. Ando, and Michael Batz. In review, 2006. SSRN: <http://ssrn.com/abstract=910983>.
- “A Spatial-Econometric Analysis of Attraction and Repulsion of Private Conservation by Public” Heidi J. Albers, Amy W. Ando, and Xiaoxuan Chen. In review, 2006. SSRN: <http://ssrn.com/abstract=909559>.
- “Spatial and Temporal Modeling of Community Non-Timber Forest Extraction” Elizabeth J Z Robinson, Heidi J Albers, and Jeffrey C Williams. Centre for the Study of African Economies Working Paper Series 2006-03, University of Oxford. 2006.
- “Certificación de Café Sostenible en México: Prospectos, Restricciones y Políticas Públicas” Beatriz Avalos Sartorio, Allen Blackman, and Heidi J. Albers. Instituto Nacional de Ecología (Ministry of Environment, Mexico) pamphlet on certification. January, 2006.
- “The Impact of Markets and Policy on Spatial Patterns of Non-Timber Forest Product Extraction” Originally published in *Land Economics* (above). Elizabeth J.Z. Robinson, Jeffrey C. Williams, and Heidi J. Albers. Reprinted in **Spatial Aspects of Environmental Policy**. Jacqueline Geoghegan and Wayne Gray (editors). International Library of Environmental Economics and Policy. Aldershot, UK, Ashgate. 2005.

- “Discussant Comments” in Proceedings of Session 1: Trends in Housing, Land Use, and Land Cover Change of U.S. Environmental Protection Agency’s Socioeconomic Causes and Consequences of Future Environmental Changes Workshop. EPA Region 9 Office, San Francisco, CA. November, 2005.
<http://yosemite.epa.gov/ee/epa/erm.nsf/vwRepNumLookup/EE-0492?OpenDocument>
- “Deforestation and Shade Coffee in Oaxaca, Mexico: Key Research Findings” Allen Blackman, Heidi Albers, Beatriz Avalos Sartorio, and Lisa Crooks. August, 2005. RFF Discussion Paper 05-39.
- “Made in the Shade: Can Shade Coffee Help Stem Deforestation in Latin America?” Allen Blackman, Heidi Albers, Beatriz Avalos Sartorio, and Lisa Crooks. *Resources*. Spring 2005. Issue Number 157. pp.23-26.
- “Shade Grown Coffee: Simulation and Policy Analysis for Coastal Oaxaca” Michael Batz, Heidi J. Albers, Beatriz Avalos, and Allen Blackman. 2005. RFF Discussion Paper 05-61.
- “Analyzing the Impact of Excluding Rural People from Protected Forests: Spatial Resource Degradation and Rural Welfare.” Elizabeth J.Z. Robinson, Heidi J. Albers, and Jeffrey C. Williams. February, 2005. Oxford Centre for the Study of African Economies Working Paper Series. WPS/2005-3.
- “Spatial Analysis of Private Land Conservation Decisions.” Heidi J. Albers and Amy Ando. December, 2004. Proceedings of EPA conference “Valuation of Ecological Benefits: Improving the Science behind Policy Decisions. Session V. Conservation and Urban Growth: Finding the Balance.” pp 47-80. [yosemite.epa.gov/ee/epa/ermfile.nsf/vwAN/EE-0489-08.pdf/\\$File/EE-0489-08.pdf](http://yosemite.epa.gov/ee/epa/ermfile.nsf/vwAN/EE-0489-08.pdf/$File/EE-0489-08.pdf)
- “The Economics of Terrestrial Biodiversity Conservation in Developing Nations.” Heidi J. Albers and Paul Ferraro. October, 2004. Initiative for Policy Dialogue, Environmental Economics Working Papers Series. Columbia University.
<http://www0.gsb.columbia.edu/ipd/programs/item.cfm?prid=17&iyid=13&itid=453>
- “Land Trusts in the United States: Analyzing Abundance.” Heidi J. Albers, Amy W. Ando, and Daniel Kaffine. *Resources*. Spring 2004. Issue Number 153. pp. 9-13.
- “Land Cover in a Managed Forest Ecosystem: Mexican Shade Coffee.” Allen Blackman, Heidi Albers, Beatriz Avalos, and Lisa Crooks. RFF Discussion Paper 03-60. November, 2003.
- “Modeling Ecological Constraints on Tropical Forest Management: Spatial Interdependence, Irreversibility and Uncertainty.” Originally published in *JEEM* (above). Reprinted in **The Economics of Land Use** (eds. Peter J. Parks and Ian W. Hardie) in the International Library of Environmental Economics and Policy Series (series eds. Tom Tietenberg and Kathy Segerson). September, 2003. Ashgate Publishing Group. Hampshire, U.K.
- “A Spatial-Intertemporal Model for Tropical Forest Management Applied to Khao Yai National Park, Thailand.” RFF Discussion Paper 01-35. 2001.
- “Variation in Land Trust Abundance: Could it Make Economic Sense?” with Amy Ando. RFF Discussion Paper 01-36. 2001.
- “Valuation and Management of Tropical Forests: A Theoretical and Empirical Analysis.” Giannini Foundation of Agricultural Economics Working Paper No. 681, UC Berkeley. July, 1993.

PAPERS IN DRAFT AND REVIEW

- “Spatial Endogenous Fire Risk and Efficient Fuel Management and Timber Harvest.” Masashi Konoshima, Claire A. Montgomery, Heidi J. Albers, and Jeffrey L. Arthur. In review, 2006.
- “Equilibrium Patterns of Land Conservation: Crowding In/Out, Agglomeration, and Policy.” Heidi J. Albers, Amy W. Ando, and Michael Batz. In review, 2006.
- “A Spatial-Econometric Analysis of Attraction and Repulsion of Private Conservation by Public” Heidi J. Albers, Amy W. Ando, and Xiaoxuan Chen. In review, 2006.
- “Spatial and Temporal Aspects of NTFP Extraction: The Role of Community Resource Management.” E.J.Z. Robinson, H.J. Albers, and J.C. Williams. In review. 2006.
- “Maintenance Costs, Price Uncertainty, and Abandonment in Shade-Grown Coffee Production: Coastal Oaxaca, Mexico.” Heidi J. Albers, Beatriz Ávalos-Sartorio, Michael Batz, and Allen Blackman. In review. 2005.
- “Excluding Rural People from Protected Forests: Displacement, Degradation, and Rural Welfare.” Elizabeth J.Z. Robinson, Heidi J. Albers, and Jeffrey C. Williams. In review. 2005.
- “Land Cover in a Managed Forest Ecosystem: Mexican Shade Coffee.” Allen Blackman, Heidi J. Albers, Beatriz Avalos, and Lisa Crooks. In review. 2006.
- “Spatial Enforcement and Extraction in Developing Country Protected Areas.” 2004.
- “Nonrenewable Stocks: An Economic Perspective of Geology,” Heidi J. Albers and Robert O. Mendelsohn. December 1986.

CURRENT PROJECTS

- “Managing Forests under Fire Risk”
- “Tamarisk Invasion in the Columbia River Basin” with Steve Radosevich (OSU).
- “Land Conservation: Fragmentation, Roads, and Conservation Demand” with Amy Ando (UIUC).
- “Spatial Management of Invasive Alien Species: An Application to Cheatgrass in the Great Basin” with Jim Sanchirico (RFF), Carolyn Fisher (RFF), and Paul Doescher (OSU).
- “Spatial Aspects of Riparian Buffers for Ecosystem Health” with R. David Simpson (USEPA) and Steve Newbold (USEPA).
- “Economic Underpinnings of Spatial Management in Developing Country Forests” with Jeffrey C. Williams (UCDavis) and Elizabeth J. Z. Robinson (Oxford).

EXPERIENCE

- Faculty Affiliate, Rural Studies Program, Oregon State University (2006-present).
- Special Government Employee with NCEE of USEPA on benefits from ecosystems and ecosystem services (9/04-present).
- Fellow, Resources for the Future. Quality of the Environment Division. Research and outreach in biodiversity and land conservation. (10/98-7/04, promoted to “indefinite appointment” 3/03)
- Visiting Professor, School of International Service, American University (Fall, 2003). Environmental Economics for Non-economists. (masters students)

Lecturer. "Biodiversity and Conservation Management." Executive Environmental Program "Strategic Management of Environmental Policy" through Goldman School of Public Policy at UC-Berkeley for Mexico's State Ministers of the Environment. Mexico City. August, 2002.

Visiting Lecturer. Bren School of Environment. University of California, Santa Barbara. Winter, 2000. Co-taught course on international forest management.

Assistant Professor, Food Research Institute, Stanford University (1/93-9/98, institute closure). Teaching, advising, and research in the economics of natural resources in developing countries (PhD, masters, and undergraduate levels).

Visiting Scholar, Department of Agricultural and Resource Economics. University of California at Berkeley. Fall, 1996.

Lecturer, University of California at Santa Cruz (Fall, 1991). Natural Resource Economics, Environmental Economics.

Lecturer, School of Public Policy Summer Program, University of California, Berkeley (1991). Module entitled "Deforestation as a Public Policy Issue."

Graduate Student Researcher, Department of Agricultural and Resource Economics, UC – Berkeley (1989-1992). Projects in tropical deforestation (including economic modeling and valuation), environmental policy, and forest policy.

Graduate Student Instructor, University of California, Berkeley (1988-1991). Introductory Economics, Intermediate Microeconomics, Natural Resource Economics

Research Intern in Resource Economics, Ford Foundation in New Delhi, India (summer, 1988).

Environmental Economist, Economic Analysis Branch, U.S. Environmental Protection Agency. Summer 1987. Intern, summer 1986.

GRANTS AND HONORS

USDA Forest Service PNW Research Station JVA. PNW 06-JV-11261975-312. "Ecological and Economic Aspects of Tamarisk Invasion in the Columbia River Basin." 2006-2009 (\$25,791)

USDA Forest Service PNW Research Station JVA. PNW 06-JV-11261975-308. "Forest Fragmentation: Comparison of Trends in Western Oregon & Washington and Investigating Measures of Road Network Characteristics to Improve Land Conservation Analyses." 2006-2009 (\$30,000)

Two papers listed in SSRN's "Top Ten Downloaded Property Papers" July-September, 2006.

USDA/ERS PREISM grant for "Spatial Management of Invasive Alien Species: An Application to Cheatgrass in the Great Basin" with Jim Sanchirico, Carolyn Fisher, and Paul Doescher. 2004-2006. (\$380,000)

NSF grant for "Private Land Conservation Decisions: The Role of Information and Public Land" with Amy W. Ando (2003-2006). (\$320,000)

Tinker Foundation grant for "Oaxaca's Shade-grown Coffee and the Protection of Biodiversity" with Allen Blackman and Beatriz Avalos (2003). (\$50,000)

World Bank grant for "Rural Natural Resource Wealth and Rural Livelihoods in India" with Urvashi Narain and Shreekant Gupta (2001-2002). (\$75,000)

CEC grant for "Oaxaca's Shade-grown Coffee and the Protection of Biodiversity" with Allen Blackman and Beatriz Avalos (2000). (\$15,000)

Ford Foundation/Institute of International Studies Grant for Curriculum Development in Natural Resources (1995). (\$6500)

MacArthur Foundation grant for “Southwestern China’s Changing Forest Composition and Biodiversity” with Scott D. Rozelle (1994-1998). (\$220,000)

Stanford University Institute of International Studies/Hewlett Foundation Travel Grant (1993). (\$5000)

Stanford Institute for Research on Women and Gender Research Trainee Stipend Recipient (1993). (\$5000)

Dissertation funded by grants from Mellon, UC-Berkeley’s Center for Southeast Asian Studies, and NSF.

James L. Goodwin Scholarship Holder, 1985-1987.

Duke University: Magna Cum Laude, Dean’s List, Class Honors, Geology Honor Society.

PROFESSIONAL and SERVICE ACTIVITIES

Associate Editor (for Forests and Land Conservation). 2006-present. *Agricultural Economics*.

Editorial Board Member. 1996 to present. *Contemporary Economic Policy*.

Oregon State University activities: College of Forestry Advisory Council (2006-present). College of Forestry Committee on Academic Freedom and Responsibility (2006). Post-UGFE Transition Committee (2006-2007). UGFE Scholarship Selection Committee (2006). Forest Resources Department Search Committee for post-doc position in fire (2006). Forest Resources Department Promotion and Tenure Committee (2005-2006). Forest Resources Department Advisory Committee (2005-2007). College of Forestry Building Community Committee (2005-2006). FR review of core economics courses (2005). Search and Screen Committee for Silviculture position (2005).

Reviewer: *Journal of Economic Literature*. *Environmental and Resource Economics*. *Journal of Environmental Economics and Management*. *American Journal of Agricultural Economics*. *International Regional Science Review*. *Resource and Energy Economics*. *Environmental Conservation*. *Contemporary Economic Policy*. *Conservation Biology*. *Forest Science Review*. *Marine Resource Economics*. *Environmental Management*. *Land Economics*. *Forest Policy and Economics*. *Agricultural and Resource Economics Review*. *Ecology and Society*. *Environment and Development Economics*. *Biodiversity and Conservation*. *Journal of Forest Economics*.

Oregon 4-H Wildlife Steward. Completed Training (24 hours) 12/05 (Master Science Educators Program). Hoover Habitat Team Member for Hoover Elementary School. Science and Nature education activities including habitat awareness tours and invasive species identification and removal.

Coordinating Lead Author. Biodiversity chapter. Response Options Working Group of the Millennium Ecosystem Assessment. 2002-2005.

Guest Lecture on Forests, Fire, and Biodiversity. Junjie Wu’s undergraduate natural resource economics course. 2005.

NSF Proposal Review Panel for Biocomplexity Research Centers. 2003.

Environmental Education Volunteer for Kindergarten at Stoddert Elementary School. 2003-2004.

American Association for the Advancement of Science Roger Revelle Fellowship in Global Stewardship Ad Hoc Selection Committee. Winter, 2003. Winter, 2001.

Environmental Education Volunteer and International Education Coordinator and Volunteer for Pre-K at Stoddert Elementary Public School. 2002-2003.

Participant. The World Bank's Participatory Conservation e-discussion. Winter, 2002.

AERE Paper Selection Committee. 1999-2001.

Session Coordinator. WEA meetings, 2001.

Participant. RFF-Beijer Workshop "Biodiversity and Land Use." October 2000.

Session Chair. Natural Resource Management Session. AERE session at AAEA meetings, January 2000.

Session Coordinator. WEA meetings, 1999. 2001.

Joseph L. Fisher Dissertation Fellowship Selection Committee. 1999.

RFF Summer Internship Selection Committee. 1999.

Session Coordinator. Western Economics Association Meetings Session "Natural Resources and Population in Developing Countries." June 1997.

Visiting Scholar. Department of Agricultural and Resource Economics at University of California at Berkeley. Fall, 1996.

Guest Lecturer. Professor John Barton's International Environmental Law Class. Stanford Law School. Spring 1993.

Participant. Asia Foundation Discussion Group on U.S. - Asia Environmental Partnership. Spring, 1993.

Guest Lecturer. Professor Larry Goulder's undergraduate Environmental Economics course. Stanford Department of Economics. 1993, 1994.

ADVISING

(at Oregon State University)

Co-advisor (with Claire Montgomery - Dissertation): Gwen Busby (FR)
Committee Member (Dissertation): Masashi Konoshima (FR)—completed 6/2006; Mani Balasubramanian (Env. Studies)
Graduate Representative: Jiayin Lai (AREC); Donald E. Lyons (Fisheries and Wildlife); Abel Brumo (Fisheries and Wildlife)

(at Stanford University)

Principal Advisor (Dissertation): Beatriz Avalos Sartorio (Universidad del Mar) and Jeffrey Muller (The World Bank)

Second Advisor (Dissertation): Manuela Ferro (The World Bank), David Widawsky (U.S. E.P.A.), Humberto Valencia (National University of Mexico), Elizabeth Robinson (Oxford), Michael Goldbach

Undergraduate Honors Thesis Advisor: Lisa Goldman

SELECTED PRESENTATIONS

- “Parks, Buffer Zones, and Costly Enforcement.” Protected Areas and Parks session at the Third World Congress of Environmental and Resource Economists. Kyoto, Japan. July 2006.
- “Maintenance Costs, Price Uncertainty, and Abandonment in Shade-Grown Coffee Production: Coastal Oaxaca, Mexico.” Biodiversity Case Studies session at the Third World Congress of Environmental and Resource Economists. Kyoto, Japan. July 2006.
- “Protected Areas and Local People: Capturing Benefits and Creating Incentives.” OECD Workshop on Distributive Issues Related to Biodiversity, Mexico. 26-27 April 2006.
- “Equilibrium Patterns of Land Conservation: Crowding In/Out, Agglomeration, and Policy.” AERE session “Economics of Renewable Resource Management” at ASSA national meetings. Boston. January, 2006.
- Discussant in session “Trends in Housing, Land Use, and Land Cover Change” of U.S. Environmental Protection Agency’s Socioeconomic Causes and Consequences of Future Environmental Changes Workshop. EPA Region 9 Office, San Francisco, CA. November, 2005.
- “Spatial Analysis of Private Land Trust Behavior.” 14th Annual Meeting of the European Association of Environmental and Resource Economists. Bremen, Germany. June, 2005.
- Discussant in session “Renewable Resources 1” at 14th Annual Meeting of the European Association of Environmental and Resource Economists. Bremen, Germany. June, 2005.
- “Spatial and Temporal Land Management under the Threat of Invasive Species: Cheatgrass in the Great Basin.” Oregon Ad Hoc Workshop in Environmental and Resource Economics. Salem, Oregon. April, 2005.
- “Spatial Aspects of Land Conservation: Interactions of Public and Private Actors” in OSU Department of Agricultural Economics Seminar Series, February 2005.
- “The Number of Private Land Trusts: Specialization, Coordination, and Government Crowding Out/In” with Amy Ando at Resources for the Future Wednesday Seminar Series. November, 2003.
- “Land Trusts in the U.S.: Analyzing Abundance and Behavior” with Amy Ando at DOGEE in Johns Hopkins University. November 2003.
- “Agricultural Policy’s Impact on Invasive Species and Forest Recovery” at Oregon State University, College of Forestry. October 2003.
- “Agricultural Policy’s Impact on Invasive Species” at University of Illinois, Department of Agricultural and Consumer Economics. October 2003.
- “The Role of Markets in Determining the Effectiveness of Conservation Policy” at NCEE of US EPA in Washington, D.C. February 2003.
- “Markets and Policy near Protected Areas: What Works Where?” at DRMI of the Naval Postgraduate School in Monterey, CA. January 2003.
- “Extraction from Government Forests: Spatial and Temporal Considerations” at the World Congress of Environmental and Resource Economists in Monterey, CA. June 2002.
- “Enforcement, Payments, and ICDPs in Protected Areas: What Works Where?” at the World Congress of Environmental and Resource Economists in Monterey, CA. June 2002.
- Panel Discussant on Tropical Forest Policy at the World Congress of Environmental and Resource Economists in Monterey, CA. June 2002.

Discussant in "Topics in Forest and Land Management" AERE session at ASSA meetings in Atlanta. January 2002.

"Conservation Policy and Rural People's Incentives." RFF-Beijer Workshop "Biodiversity and Land Use." October 2000.

"The Impact of Markets and Policy on Spatial Patterns of Non-Timber Forest Product Extraction." RFF Wednesday Seminar Series. May 2000.

Discussant in land use session at SEA Meetings. November 1998.

"Spatial Extraction and Enforcement in Developing Country Protected Areas." World Congress of Environmental and Resource Economists. Venice, Italy. June 1998.

"Comments on Forests: Sustainability, Optimal Use, and Measurement Issues" as symposium participant. World Congress of Environmental and Resource Economists. Venice, Italy. June 1998.

"Policy Implications of Forest Recovery in Models of Shifting Cultivation." Resources for the Future. February 1998.

"Policy Implications of Forest Recovery in Models of Shifting Cultivation." Rutgers University - State University of New Jersey. February 1998.

"Incorporating Ecological Characteristics of Shifting Cultivation into Economic Analysis." School of the Environment, Dartmouth University. February 1998.

"Forest Recovery Dynamics and Shifting Cultivation." Department of Economics, University of Colorado at Boulder. September 1997.

"Forest Recovery Dynamics and Shifting Cultivation." Department of Economics, University of New Mexico. September 1997.

Discussant in session "Natural Resources and Population in Developing Countries." Western Economics Association Meetings. June 1997.

"Policy Implications of Forest Recovery Dynamics in Shifting Cultivation." East-West Center, University of Hawaii. May 1997.

"Spatial Extraction from Protected Areas in Developing Countries." Department of Economics, University of Hawaii. May 1997.

"Policy Implications of Forest Recovery Dynamics in Shifting Cultivation." Nicholas School of the Environment, Duke University. March 1997.

"Interdisciplinary Approach to Analyzing Policy Concerning Shifting Cultivation." Department of Geography, University of New Hampshire. March 1997.

"Spatial and Dynamic Implications of Forest Recovery in Protected Area Management, Shifting Cultivation, and Rural Resource Policy: A Research Agenda." Department of Agricultural and Resource Economics, University of California at Davis. February 1997.

"Economics and Policy Implications of Forest Recovery in Long-Fallow Systems." Department of Agricultural and Resource Economics. University of California at Berkeley. January 1997.

"Economic Modeling of the Ecological Base in Shifting Cultivation Systems." School of the Environment, University of California at Santa Cruz. Fall, 1996.

"Spatial Land Use in Developing Countries." Western Economics Association Meetings. July 1996.

- “China’s Economic Reform of the Rural Forest Sector.” Occasional California Workshop on Environmental and Resource Economics and Policy. May 1996.
- “Rural People and Economic Reform of the Forest Sector.” Beijing University of Forestry Conference on Development and the Environment. 1995.
- “Shifting Cultivation and Forest Recovery Dynamics.” Occasional California Workshop on Environmental and Resource Economics and Policy. Fall, 1994.
- Discussant. Western Economics Association Meetings Session “Markets and the Environment in Africa and Asia.” July 1994.
- “Integrating Ecological, Economic, and Social Aspects of Managing Khao Yai National Park.” Conservation Biology Seminar Series. Stanford University. Spring, 1994.
- “Spatial Issues in the Management of Protected Areas: Case Study of Khao Yai National Park.” AERE Workshop “Integrating the Environment and the Economy: Sustainable Development and Economic/Ecological Modeling,” Boulder, Colorado. May 1994.
- “People and Parks: Economic Management of Khao Yai National Park, Thailand.” Stanford University Institute of International Studies Environmental Policy Forum. Fall, 1993.
- “Spatial Relationships, Irreversibility, and Uncertainty in Tropical Forest Management.” Occasional California Workshop on Environmental and Resource Economics and Policy. Spring, 1993.
- “Observations on Rural Resource Management and Policy in Asia.” Asia Foundation Discussion Group on U.S. - Asia Environmental Partnership. Spring, 1993.
- “Modeling Spatial Relationships, Irreversibility, and Uncertainty in Tropical Forest Management.” FRI, Stanford University. Winter, 1992.
- “Nonrenewable Stocks: An Economic Perspective of Geology” AERE Session of the ASSA meetings, December 1986.