

CV OF UJJAYANT CHAKRAVORTY

MAIN ACADEMIC POSITION

Professor of Economics, Tufts University (from July 1, 2012)
Professor and Canada Research Chair, School of Business and Department of
Economics, University of Alberta (2008-12)
Professor of Economics, UCF Business School, Orlando (2005-08)
Associate Professor of Economics, Emory University, Atlanta (1998-2005)
Associate and Assistant Professor of Resource and Environmental Economics,
University of Hawaii (1989-98)

VISITING POSITIONS

Fellow, Toulouse School of Economics (INRA, LERNA) (since 2011)
Fellow, CESifo Munich (since 2011)
Adjunct Professor, Alberta School of Business (since 2012)

ADDRESS

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Website: <http://www.business.ualberta.ca/uchakravorty/>

FIELD/RESEARCH INTERESTS

Resource and Environmental Economics; Energy, Water, Climate Change,
Development

EDUCATION

Ph.D, Resource and Environmental Economics, University of Hawai'i at Manoa, 1989.
Visiting Student, UC Berkeley, 1988-89.
B.S, Civil Engineering, Indian Institute of Technology, Delhi, 1979.

RECENT AFFILIATIONS

Visiting Professor, Toulouse School of Economics (INRA, LERNA), France (2003-10)
Andre Hoffmann Chair Visiting Professor, Graduate Institute of International Studies,
Geneva (2010)
Visiting Professor, Paris School of Economics (2008,09,11)

RESEARCH GRANTS AND AWARDS

Distributional Impacts of Biofuel Mandates (Social Sciences and Humanities
Research Council, \$49,846), 2011-13, PI.
School of Energy and the Environment, Conference Grant (\$10,000), 2010, PI.
Canada Research Chair Grant for Research in Natural Resource Economics (SSHRC:
\$1.4 million), 2008-14, PI.
Resource Scarcity, Environmental Regulation and the Allocation of Energy (SSHRC,
\$63,500), 2009-12, PI.

Fisheries Regulation in the North Pacific Ocean (National Oceanic and Atmospheric Administration: \$220,000), 1997-2002, PI.
 Workshop in Environmental Economics and Policy (Quadrangle Fund, Emory University: \$20,000), 2000-02, PI.
 Sustainable Use of Energy Resources and Global Warming (National Science Foundation: \$116,000), 1994-97, Co-PI.
 Deforestation and Energy Use in Sub-Saharan Africa (FASID, Government of Japan \$40,000), 1997-98, Co-PI.
 Economics of Forestry in Hawaii (Governor's Advisory Council: \$40,000), 1996-97, Co-PI.
 Effect of GATT on Asia-Pacific Commodity Trade (East-West Center/University of Hawaii Collaborative Research Program: \$30,000), 1994-95, Co-PI.
 Production, Consumption and Trade in Primary Commodities (UN-ESCAP: \$40,000), 1993-94, Co-PI.

PUBLICATIONS

Published Journal Articles

"Cycles in Nonrenewable Resource Prices with Pollution and Learning-By-Doing," (with Andrew Leach and Michel Moreaux), forthcoming, ***Journal of Economic Dynamics and Control***.

"Endogenous Resource Substitution under a Climate Stabilization Policy: Can Nuclear Power Provide Clean Energy?" ***Journal of Public Economic Theory*** 14(2), 2012, (with Bertrand Magne and Michel Moreaux).

"Political Influence of Firms in the Tradable and Non-Tradable Sectors: A Cross-Country Analysis," ***Economics and Politics*** 23(3), 2011 (with Mahmut Yasar, Roderick Rejesus and Yanjing Chen). Lead Article

"Will Hotelling Kill The Electric Car?" ***Journal of Environmental Economics and Management*** 61(3), 2011 (with Andrew Leach and Michel Moreaux).

"Politique pro-carburant et climatique americaine: impact sur les choix energetiques et bilan carbone," ***Revue Economique***, 61(1), 2010 (with Marie Helene Hubert and Michel Moreaux (in French)).

"Fuel vs Food," ***Annual Review of Resource Economics*** 1(1), Inaugural Issue, October 2009 (with Marie Helene Hubert and Linda Nostbakken).

"Water Allocation under Distribution Losses: Comparing Alternative Institutions," ***Journal of Economic Dynamics and Control*** 33(2), February 2009 (with Eithan Hochman, Chieko Umetsu and David Zilberman).

"Ordering the Extraction of Polluting Nonrenewable Resources," ***American Economic Review*** 98(3), June 2008 (with Michel Moreaux and Mabel Tidball).

"A Dynamic Model of Food and Clean Energy," ***Journal of Economic Dynamics and Control*** 32(4), 2008 (with Bertrand Magne and Michel Moreaux).

"Openness, Lobbying and Provision of Infrastructure," ***Southern Economic Journal*** 74(4), 2008 (with Joy Mazumdar).

"Clean Air Regulation and Heterogeneity in US Gasoline Prices," ***Journal of Environmental Economics and Management*** 55, 2008 (with Celine Nauges and Alban Thomas).

"Environmental Effects of Intensification of Agriculture," ***Environmental Economics and Policy Studies*** 8(4), 2007 (with Donna Fisher and Chieko Umetsu).

"A Hotelling Model with a Ceiling on the Stock of Pollution," ***Journal of Economic Dynamics and Control*** 30(12), 2006 (with Bertrand Magne and Michel Moreaux).

"Discontinuous Extraction of a Nonrenewable Resource," ***Economics Letters*** (90), 2006 (with Eric Im and James Roumasset).

"Plafond de Concentration Atmospherique en Carbone et Substitutions Entre Ressources Energetiques," ***Annales d'Economie et de Statistique*** 81, 2006 (with Bertrand Magne and Michel Moreaux)

"Efficiency and Technical Change in the Philippine Rice Sector during the Post-Green Revolution Era" ***Studies in Regional Science***, 36(1), 2006 (with Chieko Umetsu and Thamana Lekprichakul).

"Water Management with Downstream Externalities: The Case of the Ogeechee River Basin," ***Indian Journal of Environmental Economics*** 4(1), 2006 (with Donna Fisher).

"Specialization and Nonrenewable Resources: Ricardo Meets Ricardo," ***Journal of Economic Dynamics and Control*** 29(9), 2005 (with Darrell Krulce and James Roumasset).

"Basinwide Water Management: A Spatial Model," ***Journal of Environmental Economics and Management*** 45, 2003 (with Chieko Umetsu), Lead Article.

Reprinted in J. Geoghegan and W. Gray, eds. *Spatial Aspects of Environmental Policy*, Ashgate Publishing, 2006.

"Protecting Forests Through Farming: A Dynamic Model of Nontimber Forest Extraction," ***Environmental and Resource Economics***, 24(1), 2003 (with Herath Gunatileke), Lead Article.

"Efficiency and Technical Change in the Philippine Rice Sector: A Malmquist Total Factor Productivity Analysis," ***American Journal of Agricultural Economics***, 85(4), 2003 (with Chieko Umetsu and Thamana Lekprichakul).

"Globalization and the Agriculture-Environment Relationship: Comment," ***Environment and Development Economics*** 6(4), 2001.

"Modeling the Effects of Area Closure and Tax Policies: A Spatial-Temporal Model of the Hawaii Longline Fishery," **Marine Resource Economics** 15(3) Fall 2001 (with Keiichi Nemoto).

"Water Conveyance Costs and Conjunctive Use," **International Journal of Social Economics** (27), 2000 (with Chieko Umetsu).

"Domestic Energy Demand in OPEC Countries," **OPEC Review** XXIV(1), 2000 (with Fereidun Fesharaki and Sara Zhou).

"Demand for Ground Transportation Fuel and Pricing Policy in Asian Tigers: A Comparative Study of Korea and Taiwan," **Energy Journal** 20(2), July 1999 (with Sara Banaszak and PingSun Leung).

"Transition from Fossil Fuels to Renewable Energy: Evidence from a Dynamic Simulation Model with Endogenous Resource Substitution," **Indian Journal of Quantitative Economics** 14(1), 1999 (with KinPing Tse).

"Water Conveyance, Return Flows and Technology Choice," **Agricultural Economics** (19), 1998 (with Chieko Umetsu).

"Endogenous Substitution of Energy Resources and Global Warming," **Journal of Political Economy**, 105(6), 1997 (with James Roumasset and KinPing Tse).

Reprinted in Michael Hoel, ed, *Recent Developments in Environmental Economics*, Edward Elgar Publishing, 2004.

"Estimating Economic Impacts from Tourism: A Comparison of Computable General Equilibrium and Input-Output Techniques," **Annals of Tourism Research** 24(1), 1996 (with Deying Zhou, John Yanagida and PingSun Leung).

Reprinted in Clem Tisdell, ed, *The Economics of Tourism*, Edward Elgar Publishing, 2000.

"A Spatial Model of Optimal Water Conveyance," **Journal of Environmental Economics and Management** 29(1995) (with Eithan Hochman & David Zilberman).

Reprinted in K. William Easter and Mary E. Renwick, eds., *Economics of Water Resources: Institutions, Instruments and Policies for Managing Scarcity*, Ashgate Publishing, 2004.

Reprinted in R. Quentin Grafton, ed., *Economics of Water Resources*, in press, Edward Elgar Publishing, 2008.

"Technology Adoption and the Economics of Groundwater Extraction," **American Journal of Agricultural Economics** 77, May 1995 (with Farhed Shah and David Zilberman).

"Heterogeneous Demand and Order of Resource Extraction," **Econometrica** 62(6), 1994 (with Darrell Krulce).

"Integrating Economic Analysis in Irrigation Design and Management," *American Society of Civil Engineers' Journal of Water Resources Planning and Management*, 120(6), 1994 (with James Roumasset).

"Efficient Spatial Allocation of Irrigation Water," *American Journal of Agricultural Economics*, 73(1), February 1991 (with James Roumasset).

Reprinted in K. William Easter and Mary E. Renwick, eds., *Economics of Water Resources: Institutions, Instruments and Policies for Managing Scarcity*, Ashgate Publishing, 2004.

"Competitive Oil Prices and Scarcity Rents When the Extraction Cost Function is Convex," *Resource and Energy Economics*, 12(1990) (with James Roumasset).

Edited Volumes

Optimal Control: Applications and Methods Special Issue on Optimal Control Theory in Natural Resources and Energy Economics, 31(1), January-February 2010, 1-79.

India and Global Climate Change: Perspectives on Economics and Policy from a Developing Country, Washington, D.C.: RFF Press, September 2003, 367 pp. (with Michael Toman and Shreekant Gupta). Published internationally by Oxford University Press. Available at Amazon.com.

Environment and Development Economics Special Issue on "The Economics of Water: Environment and Development," 7(4), October 2002 (with Timothy Swanson).

Agricultural Economics Special Issue on "Management of Water Resources for Agriculture," 24(1), 1-126, December 2000 (with David Zilberman).

Monitoring Systems for Managing Natural Resources: Economics, Indicators and Environmental Externalities in a Costa Rican Watershed, Discussion Paper No. 73, The International Food Policy Research Institute and the World Bank, March 2001, 138 pp. (with Peter Hazell, John Dixon and Rafael Celis).

Ocean-Scale Management of Pelagic Fisheries: Economic and Regulatory Issues, Joint Institute of Marine and Atmospheric Research Contribution 99-321, 1999, 102 pp. (with John Sibert).

Chapters in Books

"Oceans and the Energy Market," in Ivar Ekeland et al., eds., *The Ocean as a Global System*, Eska Publishing, forthcoming, November 2012 (with Marie Helene Hubert and Beyza Ural Marchand).

"State Tax Policy and Oil Production: The Role of the Severance Tax and Credits for Drilling Expenses," in Gilbert E. Metcalf, ed., *U.S. Energy Tax Policy*, Cambridge University Press (with Shelby Gerking and Andrew Leach), 2010.

"Endogenous Substitution of Energy Resources: Theory and Application to the Indian Energy Sector," in M. Toman et al., eds., **India and Global Climate Change: Perspectives on Economics and Policy from a Developing Country**, Washington, D.C.: RFF Press, 2003.

"Economic Development and the Environment in the Asia-Pacific Region: Critical Issues," in M. Tait, ed., **Sustainable and Balanced Development in the Asia-Pacific**, EDAP Joint Policy Studies Series No.4, 1998, Seoul: Korea Development Institute.

"Transboundary Water Allocation between Israel and the Gaza Strip: Desalination, Recycling and Fresh Water," in Richard Just and Sinaia Netanyahu, eds., **Conflict and Cooperation on Transboundary Water Resources**, Boston: Kluwer Academic Publishers, 1998 (with Eyal Brill and Eithan Hochman).

Reprinted in A. Al-Kawaz, ed., **New Economic Developments and their Impacts on Arab Economies**, Elsevier-North-Holland, 1999.

"The Economic and Environmental Impacts of Irrigation and Drainage in Developing Countries," in Ernst Lutz with Hans Binswanger, Peter Hazell and Alex McCalla, eds., **Agriculture and the Environment: Perspectives on Sustainable Rural Development**, Washington, D.C.: A World Bank Book, 1998.

"Efficient Management of Water in Agriculture" in D. Parker and Y. Tsur, eds., **Decentralization and Coordination of Water Resource Management**, Kluwer Academic Publishers, 1997 (with David Zilberman and Farhed Shah).

"Allocation of Water Among Agricultural and Urban Users: A Bargaining Model with Application to Israel" in John J. Pigram, ed., **Security and Sustainability in a Mature Water Economy**, Armidale: Center for Water Policy Research, November 1996 (with Eyal Brill and Eithan Hochman).

"Review of Principal Production Patterns and Intraregional Trade Flows," in **Assessing the Potential and Direction of Agricultural Trade within the ESCAP Region**, New York: United Nations, Studies in Trade and Investment (10), 1995.

"Water Rights Doctrines and Technology Adoption," in Karla Hoff, Avishay Braverman and Joseph Stiglitz eds. **The Economics of Rural Organization: Theory, Practice and Policy**. Oxford: Oxford University Press, 1993 (with Farhed Shah and David Zilberman).

"Dynamic Considerations in the Design of Drainage Canals," in Ariel Dinar and David Zilberman, eds. **The Economics and Management of Water and Drainage in Agriculture**, Boston: Kluwer Academic Publishers, 1991 (with Eithan Hochman and David Zilberman).

"Fertilizer and Crop Yield Variability," in Jock Anderson & Peter Hazell eds. **Variability in Grain Yields: Implications for Agricultural Research and Policy in Developing Countries**, Baltimore: Johns Hopkins University Press, 1989 (with James Roumasset, Mark Rosegrant and Jock Anderson).

Working Papers

"Does US Biofuel Policy Increase Poverty in India?" (with Marie-Helene Hubert and Beyza Ural Marchand), Unpublished manuscript.

"Do Biofuel Mandates Really Raise Food Prices?" (with Marie-Helene Hubert, Michel Moreaux and Linda Nostbakken), in submission.

"Global Impacts of US and EU Biofuel Mandates and Carbon Taxes," (with Marie-Helene Hubert), in submission.

"The Effect of Flow and Stock Regulation on Pollution from a Nonrenewable Resource," (with Jean-Pierre Amigues and Michel Moreaux).

"Gasoline Content Regulation and Compliance Behavior among US Refineries," (with Celine Nauges and Henry Thille).

"The Economics of Market Power in the Extraction of Nonrenewable Resources," (with Matti Liski).

"Does Imitation by Developing Countries Hurt Innovation?" (with Runjuan Liu and Joy Mazumdar).

Other Publications

"Food vs Fuel," Resources for the Future **Policy Brief**, June, 2010 (with Marie-Helene Hubert and Linda Nostbakken).

Nuclear Energy in Alberta: What You Need to Know, Environmental Research and Studies Center, University of Alberta (with co-authors), 2010.

"The Energy Crisis," **The New Economy**, Winter 2008.

Book Review, "Global Warming and the American Economy," edited by Robert Mendelsohn, Edward Elgar Publishing, in **Journal of Regional Science** 44(2) (2004).

"More Hot Air: Climate Change, Carbon Permits and International Politics," **Academic Exchange**, Emory University, April/May 2000.

"The Role of Women in Resource Conservation in Sub-Saharan Africa: Rural Energy Use in Ethiopia," Foundation for Advanced Studies on International Development (FASID), Ministry of Foreign Affairs, Govt. of Japan, 127 pp. (with Chieko Umetsu), 1999.

"Water Conveyance, Spatial Technology Choice and Rents," *Agricultural Economics Papers of Kobe University*, 31(3), 1998 (with Chieko Umetsu).

"Deregulation in Oil and Gas in South Asia," *East-West Center Energy Advisory*, 1997 (with Fereidun Fesharaki).

"California's Water Revolution: Lessons of the Drought," **Down To Earth**, June 1997 (with David Zilberman).

"Recycle Organics: from Wastes to Resources," College of Tropical Agriculture and Human Resources, University of Hawaii (with J. Hollyer, J. Sullivan, J. Yanagida and N. Hue). May 1997.

"Integrating Economics, Ecology and Thermodynamics" by Matthias Ruth; Book Review, in **Journal of Natural Resource Management and Life Sciences Education**, 1995.

"Hawaii's Forests: An Inventory and Analysis of Economic Potential," Report prepared for the Governor's Agriculture Coordinating Committee, Honolulu, 1993 (with John Yanagida, John Halloran and Donna Lee).

"Political Regimes and Economic Growth: East Asian Miracles in Neo-Classical theory," Discussion Paper, Institute for Southeast Asian Studies, Discussion paper, Singapore, 1992 (with Tilak Doshi).

Management of Natural Resources for the Environment, Food and Agriculture Organization of the United Nations (1986), 75 pp, Rome.

"Habitat" in *State of the Environment: A Citizen's Report*, Center for Science and Environment, New Delhi, 1982.

"A Health Project That Works: Progress in Jamkhed," **World Health Forum**, 4, 1983.

"A Highly Desirable Slum," **New Scientist** 92(1273), 1981.

CONSULTING WORK

Garten-Rothkopf/Toyota Long-Range Planning Unit (2009)
Water Policy Center, Georgia State and Georgia Southern University (2002-05)
International Food Policy Research Institute, Washington DC (1998-2001)
World Bank (1999)

SHORT-TERM VISITING APPOINTMENTS

Indian Statistical Institute Delhi, University of California at Berkeley, Ben-Gurion University, Israel; UN Economic and Social Commission for Asia and the Pacific, Bangkok; Food and Agriculture Organization, Rome; Jadavpur University, Kolkata; University of Peradeniya, Sri Lanka; Kobe University, Japan

PROFESSIONAL ACTIVITIES

Program Committee, European Environmental Economics Conference, Prague 2012;
Rome 2011
Program Committee, IWREC Conference, Stockholm, August 2012

Chair, IWREC Conference on Management of Water Resources, Banff, June 2011
Program Committee, IASTED Conference on Economics of Unconventional Oils, Calgary, July 2011
Advisory Board (2010-), International Water and Resource Economics Consortium (IWREC)
Program Committee, Environmental Economics World Congress, Montreal (2010)
Program Committee, Canadian Resource and Environmental Economics Meetings, Guelph (2010)
Program Committee Chair, Canadian Resource and Environmental Economics Meetings, Alberta (2009)
Program Committee, European Environmental and Resource Economics Conference, Amsterdam (2009)
Program Committee, Environmental Economics World Congress, Kyoto (2006)
Member (2002-05), Global Ecosystem Dynamics (GLOBEC) Focus 4 Working Group, United Nations
President (1999-2002), International Water and Resource Economics Consortium (IWREC)
Co-chair, IWREC Conference in Waikoloa, Hawaii (1999) and Girona, Spain (2001)
Chair, Conference on *Clean Energy Asia: Profiting from New Trends in Environmentally Correct Strategies, Products and Systems*, 1999, Singapore
Course Director, *Environmental Controls and Practices*, Singapore (1999), and Kuala Lumpur (2000)
Training to Swiss Diplomats, Geneva; Faculty of Chongqing University
Attendee, Kyoto Protocol meetings, Kyoto (1997)

TEACHING

Taught a wide variety of courses at the PhD, MBA, MA and Undergraduate Levels including Resource/Energy/Environmental Economics and Policy and Microeconomics such as Graduate Micro Theory (I and II), Environmental Management (MBA), Industrial Organization and Game Theory; and Undergraduate Micro/ Honors Macroeconomics and Calculus. Nominated for Teaching Award at Emory University and Voted Favorite Teacher of the Year by Mortar Board. 2011 MBA Teaching Evaluation: 4.7/5.0

SELECTED RESEARCH PRESENTATIONS

Conferences

2011-12: Indian Growth and Development Economics Conference, American Economic Association, European Resource and Environmental Econ Association, American Environmental and Resource Economics Inaugural Conference

Previous: American Economic Association, Environmental Economics World Congress, European Resource and Environmental Econ Association (3), Southern Economics Association, World Congress of Environmental Economics (3), Montreal Resource Economics Workshop, Heartland Environmental and Resource Economics Conference, Canadian Resource and Environmental Economics Meetings (6), International Industrial Organization Conference (2), Conference on Econometrics of Industrial Organization, Marseille, Toulouse Conference on Environmental Economics, International Institute of Public Finance Conference, International

Energy Economics Association Meetings, American Ag Econ Association Meetings (4), Econometric Society Meetings, International Ag Econ Association Meetings (2), European Ag Econ Association Conference (2), International Society for Ecological Modeling Istanbul, SURED Conference, Switzerland (2); World Tuna Conference, Lake Arrowhead (2).

Participant, Annual NBER Summer Institute (2008 to Present)

Invited Seminars

2010-12: University of Maryland (scheduled), RFF (scheduled), EPA (scheduled), Toulouse (scheduled), Paris School of Economics (scheduled), Virginia Tech, University of Oslo, Tufts University, ETH Zurich (2), University of Hawaii at Manoa, Ohio State, Tinbergen Institute Amsterdam, University of Western Australia, University of Rennes, Cal State San Luis Obispo, University of Copenhagen, Rice University, Indian Statistical Institute Delhi, Curtin Business School, Perth

Previous: Indian Statistical Institute Delhi, Graduate School of International Studies Geneva, University of British Columbia, University of Alabama, Tilburg University, University of Heidelberg, University of Calgary, University of Alberta (3), CORE Belgium, Paris Sorbonne (2), Delhi School of Economics, Oslo, UCF (3), Emory (4), Georgia Tech (3), UC Berkeley (2), Hawaii (5), University of Toulouse (2), Connecticut, UC Davis, East-West Center (4), Georgia Southern, Georgia State, Rice, Clemson, Columbia, Maryland, Harvard, Jadavpur (2), Kyoto, Kobe, FASID Tokyo, Toulouse Business School, Free University Berlin, University of Freiberg, European Commission (IPST) Seville, University of Auckland, University of Waikato (NZ), University of Florida Gainesville, Hebrew University, Technion Haifa, Yonsei University, Seoul, Japan Energy Institute, Tokyo, Asian Institute of Technology, Bangkok.

Invited Speaker

Keynote Speaker, CERDI Conference on Environmental Economics, Clermont-Ferrand, October 2012 (scheduled)
5th Berkeley BioEconomy Conference, March 2012
Workshop on Biofuel Policies, Hajfelli, Norway, March 2012
Keynote Speaker, *CESifo* Conference on Climate Change Economics, Munich 2011
FEEM Summer School, Recent Developments in Resource Economics, Venice 2011
Energy Transitions Workshop, Cardiff University, Wales, April 2011
Keynote Speaker, Conference on Oceans, Green Shipping and Sustainable Energy, Institut Oceanographique, Paris, 2011
4th Berkeley Bioeconomy Conference, 2011
"Did China and India Sabotage the Copenhagen Treaty?" Geneva (2010)
Conference on "Managing Climate Change," Organized by Nicholas Stern and Roger Guesnerie, University of Paris (2010)
Keynote Speaker, Exploring Alberta's Approach to Market Governance (2010)
Distinguished Speaker, UBC Okanagan, Sustainability Week (2010)
Panel at Conference on Water Economics, UC Berkeley (2009)
American Tax Policy Institute Conference on US Energy Taxes, Washington DC (2009)
Graduate School of International Studies, Public Lecture, Geneva (2009)

Eric Geddes Lecture "Will Global Warming Take a Backseat in the Economic Downturn?" Edmonton (2009)
"Energy and Climate Change," French Ministry of Ecology, Energy and Development Paris (2008)
Workshop on Natural Resource Management and Dynamic Optimization, Girona Spain (2008)
Economics of Biofuels Conference, UC Berkeley (2007)
Keynote, Potsdam Conference on Stabilization of Climate Change Policy (2006)
Workshop on Environmental Economics, Toulouse Business School (2006)
Panelist, Public Forum on *The War in Iraq: Beyond the Sound Bites* sponsored by Central Florida for Democracy (2006)
Public Lecture on the Economics and Politics of Climate Change, Strom Thurmond Institute, Clemson University (2002)
NSF Conference on Renewable Energy Technologies, Georgia Tech (2001)
Conference in honor of Eithan Hochman, Hebrew University Jerusalem (2001)
Arab Planning Institute Conference on Middle East Economic Development, Tunis (1999)
US-Japan NSF Workshops on Climate Change (1997, 1999)
World Bank Conference on Watershed Management, Costa Rica (1994)

REFeree WORK/EDITORSHIPS

Referee for Journal of Political Economy, Econometrica, Review of Economic Studies, Rand Journal of Economics, International Economic Review, Journal of Development Economics, Journal of Economic Dynamics and Control, Journal of Environmental Economics and Management, Journal of Public Economic Theory, Operations Research, Journal of Mathematical Economics, International Journal of Industrial Organization, Canadian Journal of Economics, Optimal Control: Applications and Methods, Economic Inquiry, Economica, Environmental and Resource Economics, Macroeconomic Dynamics, Journal of Economic Behavior and Organization, Energy Journal, American Journal of Agricultural Economics, Resource and Energy Economics, Berkeley Electronic Press Journal of Benefit-Cost Analysis, Ecological Economics, Environment and Development Economics, Managerial and Decision Economics, Energy Economics, Southern Economic Journal, Applied Economics, Natural Resource Modeling, Water Resources Research, Agricultural Economics, Structural Change and Economic Dynamics, Indian Journal of Environmental Economics, Agricultural Water Management, Journal of Water Resources Planning and Management, Journal of Production Agriculture, Journal of Aquaculture Economics and Management, Population and Development Review, Population and Environment, Socio-Economic Reviews, New Zealand Economic Papers, Environmental Practice

Reviewer for NSF, NOAA, US-Israel Bi-national Research Foundation (BARD), National Institutes for Water Resources, USDA NRI (Member, Review Panel), MIT Press, Springer, Killam Professorship Award, European Research Council, Qatar National Research Fund, SSHRC Insight Grants Program (Member, Review Panel)

Member, Editorial Council, *Journal of Environmental Economics and Management* (2010-)

Associate Editor, *Resource and Energy Economics* (2006-)

Member, Editorial Board, *Environmental Economics and Policy Studies* (2010-)

Associate Editor for Economics and Policy, *Water Resources Research* (2000-02)

Guest Editorship of Journals

Optimal Control: Applications and Methods

Environmental and Development Economics

Agricultural Economics

MEDIA

Appearances on television news (Atlanta, Orlando, Edmonton) and in the print media (e.g., *San Francisco Chronicle*, *Atlanta Journal-Constitution*, *Honolulu Advertiser*, *Palm Beach Post*, *Orlando Sentinel*, *Edmonton Journal*, *Vancouver Sun*, etc.) as a commentator on energy and environmental issues. Panelist on TV Show *Alberta PrimeTime*. Participated in energy briefings for Congressional and White House staff in Washington DC, for staff of German Chancellor Schroeder in Berlin and Senator Daniel Inouye (Hawaii).

SERVICE

Alberta: Elected Tenure Representative (2011); Elected Member of Faculty Evaluation Council which decides on all T&P cases, annual evaluations and salary incrementation at the School of Business (2009-11); Coordinator, Workshop in Energy and Environmental Economics; Co-Chair, Working Papers Committee; *UCF*: Seminar Coordinator, Working Paper Series Coordinator, Member, Graduate and Undergraduate Committees, Member, Orange County Chair Search Committee, Member, Galloway Endowed Chair 5-year Review Committee; Member, 5-year Review Committee for Department Chair of Finance; Member, College Research Committee, Member, College Technology Committee
Emory: Seminar Coordinator 2001-05; Chair, Graduate Admissions 2005, Executive Board Member, Institute for International and Comparative Studies 2003-05; Member, University Research Council 2001-03; Member, T&P Committee and Faculty Search Committee in Environmental Studies, Chair, Micro Theory Core Exam Committee
Hawaii: Member, Department Personnel Committee; Chair, Resource Economics Core Exam Committee

External Thesis Examiner: University of British Columbia, University of Calgary, University of Sydney, Tilburg University, Jadavpur University; Graduate Institute Geneva (3)

T&P Evaluation: UC Berkeley, UBC (2), Michigan State, York, McGill, Claremont Colleges, Southern Illinois, Brock, Institut Universite de France (IUF), Hong Kong Polytechnic

GRADUATE STUDENT/POST-DOC SUPERVISION (Major Advisor)

Martino Pelli, post-doctoral fellow, Alberta (Ph.D, Lausanne), current
Marie-Helene Hubert, post-doctoral fellow, Alberta (Ph.D, Toulouse), Assistant Professor of Economics, University of Rennes
Anna Risch, PhD candidate (Lausanne), current
Yanjing Chen, Ph.D completed (Emory), CDC

Anthony Radich, Ph.D completed (Emory), US Department of Energy
Asclepias Indriyanto, Ph.D completed (Hawaii), Energy Consulting
Keiichi Nemoto, Ph.D. completed (Hawaii), Government
Chieko Umetsu, Ph.D completed (Hawaii), Assistant Professor, Kobe University
Deliana Kostova, M.S. completed (Emory), UPS
Jing Zhao, M.S. completed (Emory)
Sara Banaszak, M.S completed (Hawaii), Chief Economist, American Natural Gas
Alliance
Sara Zhou, M.S. completed (Hawaii), HSBC
Minhnhat Ho, M.S. completed (Florida)
HanXiao Li, ABD (Alberta).
Bo Liu, M.A. completed (Alberta)
McKay White, ABD (Alberta)
Kaili Zhang, M.A. completed (Alberta)

Revised: April 2012