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University of British Columbia
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EDUCATION

Stanford University - Ph.D. (Economics), 1987
University of Western Ontario - M.A. (Economics), 1980
University of British Columbia - B.A. (Economics), 1979

EMPLOYMENT

Professor, Department of Economics, UBC, 1996 – present.
Associate Professor, Department of Economics, UBC, 1991-96.
Assistant Professor, Department of Economics, UBC, 1985-91.
Visiting Assistant Professor, Department of Economics, University of Alberta, 1989-90.

RESEARCH AND TEACHING FIELDS

International trade theory and policy
Environmental economics

EDITORIAL ACTIVITIES

Associate Editor, *Journal of International Economics*, 2004 -
Co-editor, *Journal of Environmental Economics and Management* 2001 - 2002
Associate Editor, *Journal of Environmental Economics and Management*, 1996 – 2000
Editorial Board, *Environmental Economics and Policy Studies*, 2010 -
Editorial Board, *Resource and Energy Economics*, 2008 -
Editorial Board, *New Zealand Economic Papers*, 2008 -
Editorial Board, *Australian Economic Papers*, 2007 -
Editorial Council, *Journal of Environmental Economics and Management* 2003 - 2007
Editorial Board, *Canadian Journal of Economics*, 1994 - 1996

AWARDS

Doug Purvis Memorial Award in Canadian Economics, 2004
UBC Killam Research Prize, 2002
Royal Bank Research Professorship, 2001-2004
Killam Faculty Leave Fellowship, 1998-99

RESEARCH**A. Books**

Trade and the Environment: Theory and Evidence (with M. Scott Taylor), Princeton University Press, 2003.

B. Journal Articles

"Trade, tragedy and the commons," (with M. Scott Taylor) *American Economic Review*, 99 (2009): 725-49

"Free trade and global warming: A trade theory view of the Kyoto Protocol," (with M. Scott Taylor), *Journal of Environmental Economics and Management* 49 (2005): 205-34.

"Trade, growth and the environment," (with M. Scott Taylor), *Journal of Economic Literature*, 42 (2004): 7-71.

"Is free trade good for the environment?" (with W. Antweiler and M. Scott Taylor), *American Economic Review*, 91 (2001): 877-908.

[Reprinted in *The WTO, Trade, and the Environment*, ed. Gary Sampson and John Whalley. Edward Elgar Publishing, 2005. Also reprinted in *Environmental Economics*, ed. Charles F. Mason and Erwin H. Bulte, Routledge, 2007].

"Trade and environment: Policy linkages," *Environment and Development Economics*, (Special issue on Trade and the Environment), 5 (2000): 405-432.

"Trade, spatial separation, and the environment," (with M. Scott Taylor), *Journal of International Economics* 47 (1999): 137-168.

[Reprinted in *The WTO, Trade, and the Environment*, ed. Gary Sampson and John Whalley. Edward Elgar Publishing, 2005.]

"The Trade-Induced Degradation Hypothesis," (with M. Scott Taylor), *Resource and Energy Economics*, (Special issue on Trade and the Environment), 19(1997): 321-344.

"Quality-biased Technical Progress and North-South Trade," (with A. Kotwal) *Journal of International Trade and Economic Development*, 6 (1997): 1-14.

"Pollution Content Taxes, Environmental Rent Shifting and the Control of Foreign Pollution," *Journal of International Economics*, 40 (1996): 459-76.

"Product Quality and the Theory of Comparative Advantage," (with A. Kotwal), *European Economic Review*, 40 (1996): 1745-1760.

"Trade and Transboundary Pollution," (with M. Scott Taylor), *American Economic Review*, 85 (1995): 716-737.

[Reprinted in: *The Economics of International Trade and the Environment*, ed. A. Batabyal and H. Beladi. CRC Press, 2001. Also reprinted in *International Trade and the Environment*, ed. Judith M. Dean. Ashgate Publishing, 2002. Also reprinted in *Recent Developments in Environmental Economics*, ed. M. Hoel. Edward Elgar, 2004]

"Trade and the Environment: A Partial Synthesis," (with M. Scott Taylor), *American Journal of Agricultural Economics*, 77 (1995): 765-771.

"North-South Trade and the Environment," (with M. Scott Taylor), *Quarterly Journal of Economics*, 109 (1994): 755-87.

[Reprinted in *Readings in Development Economics*, Vol. 1, ed. Pranab Bardhan and Christopher Udry. MIT Press, 2000. Also reprinted in *International Trade and the Environment*, ed. Judith M. Dean. Ashgate Publishing, 2002. Also reprinted in *Environmental Economics*, ed. Charles F. Mason and Erwin H. Bulte, Routledge, 2007]

"International Trade and the Environment: Policy Reform in a Polluted Small Open Economy," *Journal of Environmental Economics and Management*, 26 (1994): 44-65.

[Reprinted in *International Trade and the Environment*, ed. Judith M. Dean. Ashgate Publishing, 2002]

"Tourism, Welfare, and De-industrialization in a Small Open Economy," *Economica*, 58 (1991): 515-29.

[Reprinted in *The Economics of Tourism*, ed. Clem Tisdell. Elgar, 2000]

"International Trade in Waste Products in the Presence of Illegal Disposal," *Journal of Environmental Economics and Management* 20 (1991): 143-162.

[Reprinted in *The Economics of International Trade and the Environment*, ed. A. Batabyal and H. Beladi. CRC Press, 2001]

"Strategic Enhancement and Destruction of Fisheries and the Environment in the Presence of International Externalities," *Journal of Environmental Economics and Management*, 19 (1990): 212-226.

"Strategic Interaction Among Nations: Negotiable and Non-negotiable Trade Barriers," *Canadian Journal of Economics*, 23 (1990): 84-108.

[Reprinted in *Critical Perspectives on the Global Trading System and the WTO: The WTO's Core Rules and Disciplines*, ed. K. Anderson and B. Hoekman, Edward Elgar Publishing, 2006.]

"Efficiency Wages in a Ricardian Model of International Trade," *Journal of International Economics*, 27 (1989): 221-244.

"Tariffs and Quotas: Retaliation and Negotiation with Two Instruments of Protection," *Journal of International Economics*, 26 (1989): 179-188.

"On Negotiated Quotas, Tariffs and Transfers," (with E. Tower and M. Webb), *Oxford Economic Papers*, 41 (1989): 774-788.

"Of Mice and Elephants: The Canada-U.S. Free Trade Agreement," *Contemporary Policy Issues*, 7 (1989): 42-60.

C. Other Publications

"How does trade affect the environment?" in Geoffrey Heal, Ed., *Is Economic Growth Sustainable?*, Palgrave MacMillan, 2010.

"Globalization and the Environment," in Kym Anderson, ed., *Australia's Economy in its International Context: The Joseph Fisher Lectures, Vol. II: 1956-2009*, University of Adelaide Press, 2009.

"The Pollution Haven Hypothesis," in Kevin P. Gallagher, ed., *Handbook on Trade and the Environment*, Edward Elgar, 2009.

"Pollution Haven Hypothesis," in K.A. Reinhert and R.S. Rajan, eds., *The Princeton Encyclopedia of the World Economy*, Princeton University Press, 2008.

"Trade and the Environment: What do we know?" in William A. Kerr and James D. Gaisford, eds. "Handbook On International Trade Policy," Edward Elgar, 2007.

"Is There a Case for Trade and Investment Promotion Policy?" in *Trade Policy Research 2007*, Government of Canada, 2007.

"The basic economics of services trade," (with Aaditya Matoo), in Aaditya Mattoo, Robert M. Stern, and Gianni Zanini, *A Handbook of International Trade in Services*, Oxford University Press, 2007.

"Trade and the Environment in Developing Countries," (with S. Gulati), IPD Book Series: *Economic Development and Environmental Sustainability*, Volume Editors: Ramon E. Lopez, and Michael Toman. Series Editor: Joseph E. Stiglitz. Oxford University Press, 2006.

"Policy endogeneity and the effects of trade on the environment," *Agricultural and Resource Economics Review*, 34 (April 2005): 1-15. [Invited paper; keynote address]

"Benefits and Costs of Trade and Investment Liberalization in Services," in J.M. Curtis and D. Ciuriak, eds. *Trade Policy Research 2002*, Government of Canada, 2002, pp. 107-218.

"Economics and the Environment: The Recent Canadian Experience and Prospects for the Future". Canada in the Twenty-first Century Series, Industry Canada, 1999.

"Trade, environment and growth in the Asia-Pacific region: Implications for Canada," in R.G. Harris, ed., *The Asia Pacific Region in the Global Economy: A Canadian Perspective*, University of Calgary Press, 1996.

PH.D. STUDENTS SUPERVISED

Emily Yu, PhD 2010, now at Foreign Affairs and International Trade, Government of Canada
 Horatiu Rus, PhD 2009, now at University of Waterloo
 Andrei Stoyanov, PhD 2008, now at York University
 Stephanie McWhinnie, PhD. 2006, now at University of Adelaide
 Shinya Kawahara, PhD 2006, now at Fukushima University
 Kazutaka Takechi, PhD 2004, now at Hosei University
 Naoto Jinji, Ph.D. 2001, now at University of Kyoto
 Heather Eckert, Ph.D. 2001, now at University of Alberta
 Joel Bruneau, Ph.D. 2000, now at University of Saskatchewan
 Zhihao Yu, Ph.D. 1999, now at Carleton University
 Gorazd Ruseski, Ph.D. 1998, now at Fisheries Canada
 Chayun Tantivasadakarn, Ph.D. 1995, now at Thammasat University
 Larry Qiu, Ph.D. 1993, now at University of Hong Kong
 Sajid Anwar, Ph.D. 1992, now at University of South Australia
 Don Wright, Ph.D. 1989, now at University of Sydney

INVITED PRESENTATIONS (since 1995)

École Polytechnique, Palaiseau, France, Sept. 2010. Invited talk.
 Hitotsubashi University, Japan, July 31, 2010. Conference on International Trade and Industrial Organization
 University of Adelaide, Sept. 2009, Fisher Lecture.
 Venice International University, Venice, Italy. June 2008. Workshop on "Trade, Growth and the Environment: State of Art and Future Research"
 University of Paris, Dauphine, Paris, France. June 2008. Invited seminar
 Tsinghua University, Beijing, China. July 13-14, 2007. Roundtable Conference for International Economic Association (IEA): The Sustainability of Economic Growth
 Initiative for Policy Dialogue (IPD) conference: Economic Development and Environmental Sustainability: A Dialogue on India, Delhi, India, December 2006.
 Hitotsubashi University, Japan. Invited seminar, March 2006
 Hitotsubashi University, Japan. Invited Lecture, March 2006
 University of Canterbury, New Zealand. Invited seminar, October 2006
 Motu Economic and Public Policy Research, Wellington, New Zealand, Invited Public Policy Lecture, September 2005
 University of Auckland, New Zealand. Invited seminar, July 2005
 University of California, Santa Barbara. Trade and Environment Conference, March 2005

Newkirk Center For Science And Society, University of California, Irvine, Oct. 2004
NAREA/CAES Workshop on International Trade and the Environment, Halifax, Nova Scotia, invited speaker, June 2004
World Bank, invited presentation, April 2004
Initiative for Policy Dialogue Conference on Environmental Policy in Developing Countries, Columbia University, invited presentation, Oct. 2003.
University of Colorado Environmental and Resource Economics Workshop, Keynote talk, July 17-18, 2003
University of California, Santa Cruz, invited speaker, Trade and Environment Workshop, June 2003.
University of Basel, invited seminar, June 2002
University of Sydney, invited seminars, June 2002
Southern Methodist University, invited speaker, conference on The Political Economy of Economic Integration, April 2002.
University of Nottingham, invited seminar, June 2001
City University, Hong Kong, invited seminar, May 2001
University of Miami, invited seminar, April 2001
Dalhousie University, invited seminar, March, 2001
University of California, Santa Cruz, 3rd annual international economics conference, Nov. 2000.
Canada-US Border Conference, Vancouver BC, Oct. 2000
IIFET International Fisheries Conference, Corvallis, Oregon, July 2000.
University of California, Santa Barbara, invited seminar, April 2000.
University of Northern British Columbia, invited seminar, March 2000
National Bureau of Economic Research Summer Workshop on Public Policy and the Environment, Cambridge, Mass., Aug. 1999.
Conference on "WTO and World Trade," Seattle, Washington, Dec. 1999 (discussant)
University of Alberta, invited seminar, Sept. 1998.
National Bureau of Economic Research Universities Research Conference on Trade, Resources, and the Environment, Cambridge, Mass., May 1998.
Canadian Economics Association conference, Ottawa, May 1998. Invited survey talk.
Global Environment and Trade Study conference, London, England, June 1998.
Kobe Conference on "Recent Developments in International Trade: Theoretical and Empirical Investigations," Kobe, Japan, March 1998.
University of Toronto, invited seminar, October, 1997.
National Bureau of Economic Research Summer Workshop on Public Policy and the Environment, Cambridge, Mass., August 1997.
Chinese University of Hong Kong, invited seminar, December 1996.
University of California at Berkeley, Department of Agricultural and Resource Economics, invited seminar, April 18, 1997
University of California at Davis, Department of Agricultural and Resource Economics, invited seminar, April, 1997.
University of Dayton, March, 1996, Distinguished speaker series.

Kobe University, Japan, invited seminar, Nov.1995.

Ritsumeikan University, Japan, Nov. 1995

University of Washington, invited seminar, May 1995.

Oregon State University, invited seminar, April 1995.