

**PAUL MISSIONS**

Associate Professor and Chair  
Department of Economics  
Faculty of Arts, Ryerson University  
Toronto, Ontario, Canada M5B 2K3

Office: Jorgenson Hall 227  
Telephone: (416) 979-5000 ext. 6186  
E-mail: pmissions@ryerson.ca

---

**Education**

2000 Ph.D. (Economics), York University, Canada.  
1994 M.A. (Economics), York University, Canada.  
1993 B.Comm. (Commerce and Finance), University of Toronto, Canada.

**Academic Positions**

2005- Associate Professor, Department of Economics, Ryerson University.  
2005-2010 Chair, Department of Economics, Ryerson University.  
2000-2005 Assistant Professor, Department of Economics, Ryerson University.  
1996-2000 Lecturer, Department of Economics, York University.

**Publications in Refereed Journals**

““A Cross-Country Study of Waste Prevention and Recycling: Assessing the Effectiveness of Policy Instruments,” (with I. Ferrara), *Land Economics*, forthcoming.

“The Pricing of Pharmaceuticals with Heterogeneous Health Insurance Coverage” (with I. Ferrara), *Journal of Health Economics*, forthcoming.

“Trading Rules and the Environment: Does Equal Treatment Lead to a Cleaner World?” (with I. Ferrara and H. M. Yildiz) *Journal of Environmental Economics and Management*, 58(2), 206-225, 2009.

“Local Willingness-to-Pay Estimates for the Remediation of the Sydney, Nova Scotia Tar Ponds,” (with I. Ferrara and S. McComb) *Canadian Public Policy* 33(4), 441-458, 2007.

“Does Size Really Matter? Landfill Scale Impacts on Property Values,” (with J. S. Lim) *Applied Economics Letters* 14(10), 719-723, 2007.

“The Role of MFN under Asymmetries in Environmental Standards,” (with H. M. Yildiz), *Economics Letters* 93(2), 297-304, 2006.

“Recycling and Waste Diversion Effectiveness: Evidence from Canada,” (with I. Ferrara) *Environmental and Resource Economics* 30(2), 221-238, 2005.

“Wildlife Trade and Endangered Species Protection,” *Australian Journal of Agricultural and Resource Economics* 48(4), 613-627, 2004.

“Wealth Effects in a Cash-in-advance Economy,” (with E. Kam) *Economics Bulletin* 5(2), 1-7, 2003.

“Effective Speed Enforcement and Photo Radar: Evidence from Australia,” (with I. Ferrara) *International Journal of Transport Economics* 28(3), 373-385, 2001.

“Non-use values and the Management of Transboundary Renewable Resources,” (with I. Ferrara) *Ecological Economics* 25(3), 281-289, 1998.

“Transboundary Renewable Resource Management and Conservation Motives,” (with C. Plourde) *Marine Resource Economics* 12(1), 29-36, 1997.

“Transboundary Renewable Resource Management: A Dynamic Game with Differing Non-Cooperative Payoffs,” (with I. Ferrara) *Marine Resource Economics* 11(4), 239-245, 1996.

“The Canada-EU Turbot War: A Brief Game Theoretic Analysis,” (with C. Plourde) *Canadian Public Policy* 22, 140-150, 1996.

### **Papers Under Submission To Peer-Reviewed Journals**

“Inter-regional Competition, Comparative Advantage, and Environmental Federalism, (with I. Ferrara and H. M. Yildiz).

“The Implications of Uncertainty and Spillovers on Access and Benefit Sharing Agreements,” (with I. Ferrara).

“Foreign Direct Investment and the Choice of Environmental Policy” (with I. Ferrara and H. M. Yildiz).

### **Other Contributions**

Banting, D., H. Doshi, J. Li, and P. Missios, "Report on the Environmental Benefits and Costs of Green Roof Technology for the City of Toronto," Prepared for the *City of Toronto and Ontario Centres of Excellence - Earth and Environmental Technologies (OCE-ETech)*, October 2005.

### **Working Papers**

"Building blocks or stumbling blocks? The relationship between trade agreements and environmental cooperation" (with I. Ferrara and H. M. Yildiz)

"Does Waste Management Policy Crowd Out Social and Moral Motives for Recycling?" (with I. Ferrara)

"Trade and the Environment with Heterogeneous Firms," (with C. Bajona and A. Pierce)

"Environmental Quality and Labor Mobility in a Federation" (with I. Ferrara)

"Product Quality, Endogenous Market Shares and Restricted Variety" (with I. Ferrara)

"International Competition in Access and Benefit Sharing Agreements" (with I. Ferrara)

### **Conference Papers Presented**

"Inter-regional Competition, Comparative Advantage, and Environmental Federalism," 18<sup>th</sup> Annual Conference of the European Association of Environmental and Resource Economists (EAERE), University of Rome Tor Vergata, July 2011.

"Foreign Direct Investment and the Choice of Environmental Policy," 4<sup>th</sup> World Congress of Environmental and Resource Economists 2010, Université du Québec à Montréal, June 2010.

"Building blocks or stumbling blocks? The relationship between trade agreements and environmental cooperation," CEA meetings, University of British Columbia, Vancouver (BC), June, 2008.

"Foreign Direct Investment and the Choice of Environmental Policy," Canadian Resource and Environmental Economics Conference 2007, University of Ottawa, Ottawa (ON), October 13, 2007.

“Foreign Direct Investment and the Choice of Environmental Policy,” Canadian Economics Association Meetings, Dalhousie University, Halifax (NS), June 1, 2007.

“The Role of MFN under Asymmetries in Environmental Standards,” Seventh Annual BioEcon Workshop, Kings College Cambridge University, Cambridge (UK), September 20-21, 2005.

“Environmental Protection Standards and International Trade Policy,” CREE 2005, HEC McGill University (QC), September 30-October 2, 2005.

“R&D, Biodiversity Prospecting and the Financing of Conservation,” Sixth Annual BioEcon Workshop, Kings College Cambridge University, Cambridge (UK), September 1-2, 2004.

“Recycling and Waste Diversion Effectiveness: Evidence from Ontario,” CREE 2004, University of Calgary (AB), October 1-3, 2004.

“R&D, Biodiversity Prospecting, and the Financing of Conservation,” Canadian Economics Association Meetings, Ryerson University, Toronto (ON), June 5<sup>th</sup>, 2004.

“Life Cycle Problems of Consumer Products: An Economic Assessment of Alternative Policies,” 2nd World Congress of Environmental and Resource Economists, Monterey (CA), June 26<sup>th</sup>, 2002.

“An Integrated Approach to Environmental Policy,” Canadian Economics Association Meetings, University of Calgary, Calgary (AB), June 1<sup>st</sup>, 2002.

“Wildlife Trade and Endangered Species Protection,” Canadian Economics Association Meetings, University of Toronto, Toronto (ON), May 29<sup>th</sup>, 1999.

“Royalties, Subsidies and Biodiversity Prospecting,” 1st World Congress of Environmental and Resource Economists, Venice (ITALY), June 25<sup>th</sup>, 1998.

“Optimal Sampling Intensity in Biodiversity Prospecting and the Financing of Conservation,” Canadian Economics Association Meetings, 1998 Learned Conference, University of Ottawa, Ottawa (ON), May 31<sup>st</sup>, 1998.

“Biodiversity Conservation Expenditure and Protected Habitat” Canadian Society of Ecological Economics (CANSEE) Conference, McMaster University, Hamilton (ON), October 6<sup>th</sup>, 1997.

### **Invited Presentations**

“Wildlife Trade and Endangered Species Protection,” School of Public Administration, Carleton University, Ottawa (ON), February, 2000.

“Wildlife Trade and Endangered Species Protection,” Department of Economics, Ryerson University, Toronto (ON), February, 2000.

“Wildlife Trade and Endangered Species Protection,” Department of Agricultural Economics, University of Saskatchewan, Saskatoon (SK), May, 1999.

“Wildlife Trade and Endangered Species Protection,” Department of Economics, Lakehead University, Thunder Bay (ON), May, 1999.

“Wildlife Trade and Endangered Species Protection,” Department of Economics, Washington College, Chestertown (MD), April, 1999.

“Wildlife Trade and Endangered Species Protection,” Department of Economics, University of Manitoba, Winnipeg (MAN), March 19<sup>th</sup>, 1999.

“Wildlife Trade and Endangered Species Protection,” Department of Economics, Wilfrid Laurier University, Waterloo (ON), March, 1999.

“Optimal Sampling Intensity in Biodiversity Prospecting and the Financing of Conservation,” Department of Economics, Dalhousie University, Halifax (NS), March, 1998.

“Optimal Sampling Intensity in Biodiversity Prospecting and the Financing of Conservation,” Department of Economics, St. Francis Xavier University, Antigonish (NS), March, 1998.

“Optimal Sampling Intensity in Biodiversity Prospecting and the Financing of Conservation,” School of Resource and Environmental Management, Simon Fraser University, Vancouver (BC), April, 1998.

“Environmental Economics,” Living and Learning in Retirement Series, Glendon College, Toronto (ON), October, 1997.

## **Research Funding**

### External Grants

2009-2012. Ferrara, I. (Principal Investigator) and P. Missios (Co-Investigator), SSHRC Research Grant (\$72,672).

2004 – 2005. Missios, P. (Principal Investigator) and I. Ferrara (Co-Investigator), SSHRC INE Research Grant (\$25,000).

2002 – 2005. Missios, P. (Principal Investigator) and I. Ferrara (Co-Investigator), SSHRC Strategic Research Grant (\$33,300).

### Internal Grants

2010/11. URO Program (\$5,000).

2010/11. CUE award (\$5,000)

2009/10. URO Program (\$5,000).

2009/10. Fall/Winter RA Program (\$2,000).

2006/07. Fall/Winter RA Program (\$2,000).

2005/06. SSHRC 4A Incentive Fund (\$10,000).

2004/05. Fall/Winter RA Program (\$2,000).

2003/04. SSHRC 4A Incentive Fund (\$10,000).

2003/04. Summer RA Program (\$5,000).

2003/04. SSHRC Institutional Grant (\$4,500).

2003/04. Fall/Winter RA Program (\$2,000).

2002/03. SSHRC 4A Incentive Fund (\$10,000).

2002/03. Summer RA Program (\$5,000).

2002/03. Department of Economics Travel Grant, June (\$1,000).

2002/03. Department of Economics Travel Grant, May (\$1,000).

2001/02. Faculty of Arts Research Grant (\$3,325).

2000/01. Fall/Winter RA Program (\$2,000).

2001/01. Research Start-up Grant (\$4,000).

### **Research Assistants**

2010/11. Henri Tovoheritiana, International Economics and Finance.

2010/11. Brian Seong, International Economics and Finance.

2010/11. Jocelyn Molyneux, Environmental and Applied Science and Management.

2009/10. Esmond (Tin) Lun, International Economics and Finance.

2009/10. Benjamin Rommelaere, International Economics and Finance.

2006/07. Irina Roudenko, International Economics and Finance.

2005/06. Rong Deng, International Economics and Finance.

2005/06. Seyda Ece Aytac, University of Texas (Dallas).

2005/06. Kirk Seeley, Economics and Management Science.

2004/05. Kirk Seeley, Economics and Management Science.

2003/04. Sopheap Lim, International Economics and Finance.

2003/04. Stephen McComb, Environmental and Applied Science and Management.

2003/04. Tasha Williams, International Economics.

2002/03. David McLeod, Economics and Management Science.

2000/01. Nelson Santo, International Economics.

### **Professional Memberships**

Canadian Economics Association (CEA).

Canadian Resource and Environmental Economics Study Group (CREE).

Association of Environmental and Resource Economists (AERE).

European Association of Environmental and Resource Economists (EAERE).

### **Journal Refereeing**

Journal of Environmental Economics and Management, Environmental and Resource Economics, Environmental Management, Canadian Journal of Development Studies, Canadian Public Policy, Marine Resource Economics, and others.

### **Granting Agency Refereeing**

2009/2010. Social Sciences and Humanities Research Council of Canada.

2003/04. Natural Resources Canada, Climate Change Action Fund.

2001/02. Natural Resources Canada, Climate Change Action Fund.

## **Undergraduate Teaching and Supervision**

### Courses Taught - Ryerson University

Introductory Microeconomics.  
Introductory Macroeconomics.  
Intermediate Macroeconomics I.  
The Economics of Natural Resources.  
Environmental Economics.  
The Economics of International Trade.  
Advanced Microeconomics.  
Engineering Economics.

### Courses Taught - York University

Intermediate Microeconomics.  
Intermediate Macroeconomics.  
Intermediate Macroeconomics II.  
International Trade.  
Labour Economics.  
The Economics of Unemployment.  
Economics of Developing Countries II.  
Sustainable Development.  
Advanced Macroeconomic Analysis.  
Advanced Macroeconomic Theory.

### Undergraduate Supervision - Ryerson University

2010/11. Natalie Cheng, Undergraduate Thesis Supervisor.  
2009/10. Dilian Stoyanov, , Undergraduate Thesis Reader.  
2009/10. Elena Yazeva, , Undergraduate Thesis Reader.  
2009/10. Valeriya Seleznova, Undergraduate Thesis Reader.  
2008/09. Yana Izmaylov, Undergraduate Thesis Supervisor.  
2008/09. Roshan Jesuthasan, Undergraduate Thesis Supervisor.  
2008/09. Gennady Liakhter, Undergraduate Thesis Supervisor.  
2008/09. Iana Thernetskaia, Undergraduate Thesis Supervisor.  
2008/09. Jouanna Labib, Undergraduate Thesis Reader.  
2008/09. Renzo Loli, Undergraduate Thesis Reader.  
2008/09. Tin Ching Lun, Undergraduate Thesis Reader.  
2008/09. Darya Podolskaya-Kazakova, Undergraduate Thesis Reader.  
2007/08. Csilla Duczon, Undergraduate Thesis Supervisor.  
2007/08. Nadine Magboo, Undergraduate Thesis Supervisor.  
2006/07. Sheheryar Ali, Undergraduate Thesis Supervisor.

2006/07. Dalia Hammoudi, Undergraduate Thesis Supervisor.  
2006/07. Lana Molichnikov, Undergraduate Thesis Supervisor.  
2006/07. Mia Karmelic, Undergraduate Thesis Reader.  
2006/07. Monica Fong, Undergraduate Thesis Reader.  
2006/07. Stephanie Johnson, Undergraduate Thesis Reader.  
2005/06. Andrew Carbino, Undergraduate Thesis Supervisor.  
2005/06. Stephen Lidington, Undergraduate Thesis Supervisor.  
2005/06. Elena Karolik, Undergraduate Thesis Reader.  
2004/05. Glenn Tam, Undergraduate Thesis Supervisor.  
2004/05. Yingli Zhang, Undergraduate Thesis Supervisor.  
2004/05. Matthew Lacaba, Undergraduate Thesis Reader.  
2004/05. Sopheap Lim, Undergraduate Thesis Reader.  
2003/04. Ala Kassay, Undergraduate Thesis Supervisor.  
2003/04. Robert Russell, Undergraduate Thesis Reader.  
2003/04. Nelson Santo, Undergraduate Thesis Reader.

### **Graduate Teaching and Supervision**

#### Courses Taught – Ryerson University

Winter 2008, Environmental Economics.  
Winter 2006, Environmental Economics.  
Winter 2005, Environmental Economics.  
Winter 2003, Environmental Economics.  
Winter 2001, Environmental Economics.  
Winter 2001, Independent Study: Environmental Applied Science and Management.

#### Graduate Supervision – Ryerson University

2009 – present. Jocelyn Molyneux, M.A. Thesis Supervisor.  
2008 – 2009. Ann Fantin, M.A. Thesis Advisor/Reader.  
2007 – 2008. Sunita Chander, Master’s Research Paper Supervisor.  
2007 – 2008. Jonathan Pryshlakivsky, M.A. Thesis Supervisor.  
2006 – 2007. James Corpuz, Master’s Research Paper Advisor/Reader.  
2006 – 2007. Angela Au, M.A. Thesis Advisor/Reader.  
2005 – 2006. Andrew Roberts, M.A. Thesis Advisor/Reader.  
2004 – 2006. Amanda Fowler, M.A. Thesis Supervisor (with Dr. M. Warith).  
2004 – 2005. Carl Schroeder, M.A. Thesis Advisor/Reader.  
2004 – 2005. Rodrigo Diaz, M.A. Thesis Advisor/Reader.  
2003 – 2008. Shane Pepin (part-time), M.A. Thesis Supervisor.  
2002 – 2004. J. Stephen McComb, M.A. Project Supervisor.  
2001 – 2003. Jong Seok (Jason) Lim, M.A. Thesis Co-Supervisor (with Dr. R. Pushchak).

## University Service

### Department of Economics

- 2005 - 2010. Chair, Department of Economics.
- 2004 - 2005. Graduate Program Director.
- 2005 - 2010. Departmental Appointments Committee (Hiring, T&P).
- 2001 - 2010. International Economics and Finance Curriculum Committee.
- 2001 - 2010. Instructor Appointments Committee.
- 2005 - 2010. Chair of Travel Committee.
- 2005 - 2010. Chair of Awards Committee.
- 2005 - 2010. Chair of Appeals Committee.
- 2007 - 2008. Ph.D. in International Economics and Finance Proposal Committee.
- 2004 - 2005. Chair of Departmental Council.
- 2002 - 2005. Economics Series Seminar organizer.
- 2001 - 2003. M.A. in International Economics and Finance Proposal Committee.
- 2001 - 2002. New Course Development, ECN614: An Introduction to Game Theory.

### Ted Rogers School of Business Management

- 2005 - 2010. Program Director, Economics and Management Science.
- 2005 - 2006. Finance Chair Search Committee.
- 2002 - 2006. Global MBA Development Committee.

### Immigration and Settlement Studies

- 2002 - 2004. M.A. in Immigration and Settlement Studies Proposal Committee.

### Faculty of Arts

- 2011 - 2012. Chair of Sociology Search Committee.
- 2004 - 2010. Faculty of Arts Merit Committee.
- 2005 - 2008. Faculty Promotions Committee.
- 2006 - 2010. Faculty of Arts Workload Norms Committee.
- 2002 - 2005. Faculty of Arts SRC Committee, member.

### Faculty of Graduate Studies

- 2004 - 2005. Graduate Program Director, International Economics and Finance.
- 2004 - 2007 and 2009 - 2010. Admissions Committee, International Economics and Finance.

2005 - 2006. Chair of Scholarship Committee, International Economics and Finance,  
January-August.

Ryerson University

2009 - 2010. Provost's Commission on Faculty Restructuring.

2005 - 2006. Dean of Arts Search Committee.