

WALTER G. PARK

Professor, Department of Economics
American University, Washington DC, U.S.A.
Office: 202-885-3774, *E-mail*: wgp@american.edu
<https://www.american.edu/cas/faculty/wgp.cfm>

FIELDS OF INTEREST

Intellectual Property Rights, Research and Development (R&D), and International Economics

EDUCATION

Yale University, New Haven, CT, U.S.A.

Ph.D. Economics, 1991

Thesis: Optimal Fiscal Policy in an Open Interdependent World

Oxford University, Linacre College, Oxford, U.K.

M.Phil. Economics, 1985

Thesis: Time-Consistency of Government Debt Policies

University of Toronto, Trinity College, Toronto, Canada

B.A. Economics & Statistics, 1983

OTHER AFFILIATIONS

Int'l J of IP Management Inderscience Publishers	Editorial Board	<i>December 2018 - Present</i>
Efil J. of Economic Research Efil Publishing House	Editorial Board	<i>January 2018 - Present</i>
Research Policy Elsevier Science	Advisory Editor	<i>March 2014 - Present</i>
U.S. Bureau of Economic Analysis Department of Commerce	Special Sworn Employee	<i>Sept. 2008 - Present</i>
University of California, Berkeley Institute for Industrial Relations	Visiting Scholar	<i>Sept. - Dec. 1997</i>

JOURNAL PUBLICATIONS

“Can Patent Family Size and Composition Signal Patent Value?” *Applied Economics*, forthcoming 2019. [Co-author: Francois Kabore]

“Patent Protection, Technological Efforts, and Exports: An Empirical Investigation,” *Journal of Developing Areas*, forthcoming 2019. [Co-authors: Sidheswar Panda and Ruchi Sharma]

“Patent Reforms and Exporter Behavior: Firm-Level Evidence from Developing Countries,” *Journal of the Japanese and International Economies*, Vol. 51, March 2019, pp. 129 - 147. [Co-author: Olena Ivus]

“An Optimizing Model of R&D, Spillovers, and Intellectual Property Rights,” *Efil Journal of Economics*, Vol. 1, Issue 1, March 2018, pp. 44-57.

“Patent Protection and the Composition of Multinational Activity: Evidence from U.S. Multinational Firms,” *Journal of International Business Studies*, Vol. 48(7), 2017, pp. 808 - 836. [Co-authors: Olena Ivus and Kamal Saggi].

“Averting a ‘TRIPSxit’ from the Global Intellectual Property System,” *George Mason University Law Review*, Vol. 24(4), Fall 2017.

“Do Business Cycles Affect Patenting? Evidence from European Patent Office Filings” *Technological Forecasting and Social Change*, Vol. 116, 2017, pp. 76 - 86. [Co-author: Peter Hingley]

“When an Importer’s Protection of IPR Interacts with an Exporter’s level of Technology: Comparing the Impacts on the Exports of the North and South,” *World Economy*, Vol. 39, Issue 6, June 2016, pp. 772 - 802. [Co-authors: Keun Lee and Wonkyu Shin]

“Intellectual Property Protection and the Industrial Composition of Multinational Activity,” *Economic Inquiry*. Vol. 54, Issue 2, April 2016, pp. 1068 - 1085. [Co-authors: Olena Ivus and Kamal Saggi]

“A Dynamic Log-linear Regression Model to Forecast Numbers of Future Filings at the European Patent Office,” *World Patent Information*, Vol. 42, 2015, pp. 19 - 27. [Co-author: Peter Hingley]

“How Private Property Protection Influences the Impact of Intellectual Property Rights on Economic Growth,” *Global Economic Review*, Vol. 44, Issue 1, 2015, pp. 1 - 30. [Co-authors: Ding Du and Jihong Zhang]”

“There will be Exports and Licensing: The Effects of Patent Rights on Firm Sales,” *Journal of International Trade and Economic Development*, Vol. 23, Issue 8, Nov. 2014, pp. 1112-1144. [Co-author: Kristie Briggs]

“International Patenting, Technology Gaps, and Patent Rights,” *Review of Economics and Institutions*, Vol. 4, No. 1, Winter 2013, Article 3.

“On a Dynamic Panel Analysis of RD and Mergers” *International Journal of Applied Research in Business Administration and Economics*, Vol. 1, Issue 3, July 2012, pp. 21 - 36. [Co-author: Ralph Sonenshine]

“North-South Models of Intellectual Property Rights: An Empirical Critique,” *Review of World Economics*, Vol. 148, No. 1, April 2012, pp. 151 - 180.

“Impact of Horizontal Mergers on Research and Development: Evidence from U.S. Merger Challenges,” *Journal of Industry, Competition, and Trade*, Vol. 12, 2012, pp. 143 - 167. [Co-author: Ralph Sonenshine]

“Appropriate Intellectual Property Protection and Economic Growth in Countries at Different Levels of Development,” *Research Policy*, Vol. 41, 2012, pp. 350 - 375 [Co-authors: Keun Lee, Yee K. Kim, and Kineung Choo]

“The Copyright Dilemma: Copyright Systems, Innovation, and Economic Development,” *Journal of International Affairs*, Fall/Winter 2010, Vol. 64, No. 1, pp. 53 - 68.

“On Patenting Costs,” *The WIPO Journal: Analysis of Intellectual Property Issues*, Vol. 2, Issue 1, 2010, pp. 38 - 48.

“International Patent Protection,” *Research Policy*, Vol. 37, Issue 4, 2008, pp. 761-766.

“Patent Rights and Innovative Activity: Evidence from Firm and National Level Data,” *Journal of International Business Studies*, Vol. 38, No. 6, 2007, pp. 878-900. [Co-author Brent Allred].

- “Influence of Patent Rights on Firm Innovation Investment in Ten Manufacturing Industries,” *Journal of International Management*, Vol. 13, No. 2, 2007, pp. 91-109 [Co-author Brent Allred].
- “International Licensing and the Strengthening of Intellectual Property Rights in Developing Countries,” *OECD Economic Studies*, Vol. 40, 2005/1, pp. 7-48. [Co-author: Doug Lippoldt]
- “The Impact of Trade-Related Intellectual Property Rights on Trade and Foreign Direct Investment in Developing Countries,” *OECD Papers: Special Issue on Trade Policy*, Vol. 3, No. 11/294, 2003 (40 pages). [Co-author: Douglas Lippoldt]
- “Patent Rights and Economic Freedom: Friend or Foe,” *Journal of Private Enterprise*, Vol. 18, No. 1, Fall 2002, pp. 84-121. Reprinted in Joshua Hall and Robert Lawson (eds.) *Economic Freedom: Causes and Consequences*, Nova Publishers, 2011.
- “Globalization, Patent Reform, and Patent Professional Services,” *Journal of the Patent and Trademark Office Society*, Vol. 83, No. 5, May 2001, pp. 303-340.
- “Measuring Global Patent Protection,” in *Fraser Forum*, Fraser Institute, Vancouver, B.C., March 1999, pp. 4-7.
- “A Theoretical Model of Government Research and Growth,” *Journal of Economic Behavior and Organization*, Vol. 34, No 1, March 1998, pp. 51-67.
- “Determinants of Patent Rights: A Cross-National Study,” *Research Policy*, Vol. 26, No. 3, October 1997, pp. 283-301. [Co-author: Juan Carlos Ginarte]
- “A Permanent Income Model of Public Consumption,” *Journal of Macroeconomics*, Vol. 19, No. 4, Fall 1997, pp. 753-769.
- “How Stratified is the World? Openness and Development,” *Virginia Economic Journal*, September 1997, pp. 59-66. [Co-author: David A. Brat]
- “Intellectual Property Rights and Economic Growth,” *Contemporary Economic Policy*, Vol. 15, No. 3, July 1997, pp. 51-61. [Co-author: Juan Carlos Ginarte]
- “A Note on Innovation and Patents: Intertemporal Imitation-Risk Smoothing,” *Economics Letters*, Vol. 54, No. 2, February 1997, pp. 185-189.
- “Cross-Country R&D and Growth: Variations on a Theme of Mankiw-Romer-Weil,” *Eastern Economic Journal*, Vol. 22, No. 3, Summer 1996, pp. 345 - 354. [Co-author: David Brat]
- “Intellectual Property Rights in a North-South Context,” *Science Communications*, Vol. 17, No. 3, 1996, pp. 379-387. [Co-author: Juan Carlos Ginarte]
- “International Spillovers of R&D and OECD Economic Growth,” *Economic Inquiry*, Vol. 33, No. 4, 1995, pp. 571-591.
- “A Global Kuznets Curve?” *Kyklos*, Vol. 48, 1995, pp. 105-131. [Co-author: David Brat]
- “Adoption, Diffusion, and Public R&D,” *Journal of Economics and Finance*, Vol. 18, No. 1, 1994, pp. 101-123.
- “Public Capital, Taxation, and Private Sector Productivity,” *Journal of Applied Economics and Policy* (formerly the *Kentucky Journal of Economics and Business*), Vol. 12, 1993, pp. 1-13.
- “On a Model of Endogenous Government Behavior,” *National Social Sciences Perspectives Journal*, Conference Proceedings, Vol. 3, No. 2, 1993, pp. 230-240.

“Speculative Attacks in Argentina: A Tobit Analysis of the Tablita Period 1979-1981,” *Southwestern Journal of Economic Abstracts*, Vol. 13, No. 1, 1992, pp. 3-30.

BOOK CHAPTERS

“Market Concentration and Patents” in *UNCTAD Trade and Development Report 2017*, Geneva, Chapter 6. [Co-author: Padmashree Gehl-Samphath]

“Forecasting Patent Filings at the European Patent Office (EPO) with a Dynamic Log Regression Model: Applications and Extensions,” in Stanley Soh (ed.) *Selected Papers from the Asia Conference on Economics & Business Research 2015*, Springer Link, Singapore 2016, pp. 63-83.

“Intellectual Property Rights and Economic Policy: 2000 - present” in Robert Wright and Tom Zeiler (eds.), *Guide to U.S. Economic Policy*, Chapter 25, New York: Sage Publications, 2014, pp. 361 - 375.

“Technology Transfer and the Economic Implications of the Strengthening of Intellectual Property Rights in Developing Countries,” in Bronwyn Hall, Sanghoon Ahn, and Keun Lee (eds.) *Intellectual Property Rights for Economic Development*, Edward Elgar Publishers, 2014. [Co-author: Douglas Lippoldt]

“Technology Trade and NAFTA” in *Progress in Economics Research*, Albert Tavidze (ed.), 2011, Nova Science Publishers, Vol 25, Chapter 2.

“Intellectual Property Rights and Foreign Direct Investment: Lessons for Central America,” in Rashmi Shankar (ed.), *Getting the Most Out of Central America’s Free Trade Agreements*, Washington, D.C.: World Bank, 2011, pp. 275 - 308.

“Open Development: Is the ‘Open Source’ Analogy Relevant to Biotechnology,” in David Castle (ed.) *The Role of Intellectual Property Rights in Biotechnology Innovation*, Edward Elgar Publishers, 2010, pp. 225 - 251. [Coauthor: Alan G. Isaac]

“Intellectual Property Rights and International Innovation,” in Keith Maskus (ed.) *Frontiers of Economics and Globalization*, Vol. 1, Handbook Series, Elsevier Science, 2008, pp. 289 - 327.

“Innovation and Economic Dynamics,” in Wei-Bin Zhang (ed.) *Mathematical Models in Economics: Encyclopedia of Life Support Sciences*, UNESCO, United Nations, 2007, Chapter 6 (42 pages).

“From Theory to Time-Series,” in Peter Hingley and Marc Nicolas (eds.) *Forecasting Innovations: Methods for Predicting Numbers of Patent Filings*, Springer-Verlag, 2006, pp. 27-39. [Co-author: Peter Hingley]

“International Patenting at the European Patent Office: Aggregate, Sectoral, and Family Filings,” in Peter Hingley and Marc Nicolas (eds.), *Forecasting Innovations: Methods for Predicting Numbers of Patent Filings*, Springer-Verlag, 2006, pp. 125-158.

“Do Intellectual Property Rights Stimulate R&D and Productivity Growth? Evidence from Cross-National and Manufacturing Industry Data,” in Jon Putnam (ed.), *Intellectual Property Rights and Innovation in the Knowledge-Based Economy*, Ottawa, Industry Canada, 2005, pp. 9-1 - 9-51.

“On Intellectual Property Rights: Patents vs. Free and Open Development,” in Enrico Colombatto (ed.) *The Elgar Companion to Property Rights*, Edward Elgar Publishers, 2004, pp. 383 - 413. [Co-author: Alan Isaac]

“Property Rights in the New Economy,” Chapter 36, in Derek C. Jones (ed.) *New Economy Handbook*, New York, Academic Press, August 2003, pp. 841-863.

“Index of Patent Rights, 2000 Update,” Chapt. 2, in James Gwartney and Robert Lawson (eds.) *Economic Freedom of the World Annual Report 2002*, Fraser Institute, Vancouver, B.C., pp. 33-42. [Co-author: Smita Wagh]

“Intellectual Property and Patent Regimes,” Chapt. 4, in James Gwartney and Robert Lawson (eds.) *Economic Freedom of the World Annual Report 2001*, Fraser Institute, Vancouver, B.C., pp. 101-118.

“Impact of the International Patent System on Productivity and Technology Diffusion,” in Owen Lippert (ed.), *Competitive Strategies for Intellectual Property Protection*, Fraser Institute, Vancouver, B.C., 1999, pp. 47-72.

“Reducing Global Patenting Costs,” in the *Fourth International Symposium on Patent Cost Containment*, July 1999 (American Intellectual Property Law Association, Washington, D.C.).

Key Implications of the Global Economic Environment for PCT Filings: A Survey of the Issues, World Intellectual Property Organization (WIPO), Geneva, Switzerland, 1999 (www.wipo.int/sme/) [Coauthors: Peter Grindley and Murray Smith]

“Patent Systems in APEC: Role in Nontariff Trade Barriers and Strategic Trade Policy,” in U.S. International Trade Commission (ITC), *Economic Implications of Liberalizing APEC Tariff and Nontariff Barriers to Trade*, Publication 3101, Government Printing Office, April 1998, pp. 6:1-6:25.

“Issues in International Patenting,” background paper for Intellectual Property Rights: *Patents and Innovation in the International Context*, Working Group on Innovation and Technology Policy, Publication DSTI/STP/TIP(96)13/REV1, Organization for Economic Co-operation and Development (OECD), June 1997.

WORKS IN PROGRESS

“Demographic Trends, EU Enlargement, and Economic Growth” [Co-author: Zamira Simkins]

“Different Tales of Copyright Legislation and Enforcement on China’s Productivity” [Co-authors: Xingle Long and Tian Xu]

“Does the WTO Matter? A Non-parametric view”

“Europe Beyond Aid: Evaluating Europe’s Contribution to the Transfer of Technology and Knowledge to Developing Nations” [Co-authors: Owen Barder, Petra Krylova, and Liza Reynolds]

“Export Quality and Patent Rights: Stage Dependent Effects in Development” [Co-authors: Yan Liu and Dahai Fu]

“Fiscal Externalities in an Open Economy”

“Indexes of International Trademark and Copyright Protections” [Co-author: Tad Reynolds]

“Multinational Investments, Technology Transfers, and Copyright Protection” [Co-author: Olena Ivus]

“Patent Family Statistics” [Co-author: Peter Hingley]

“Strategic Delays of Patent Reforms” [Co-authors: Chong Min Kim and Wonkyu Shin]

OTHER PUBLICATIONS

“Phase Diagrams 101” in *The Graduate Review*, produced by the Graduate Student Council of the American University, pp. 56 - 61, 1995. [Co-author: Juan Carlos Ginarte]

A Student’s Quick Start Guide to Aplia, (2005) Thomson Publishers Inc. [Co-author: Zamira Simkins]

Study Guide to Samuelson and Nordhaus (2009) *Principles of Economics*, 19th edition, McGraw-Hill.

“Technology Still Stops at Borders: Tracking Rich Countries’ Intellectual Property Policies,” *Center for Global Development Blog*, October 24, 2017. [Co-author: Anita Käppeli]

“Forward” to the Property Rights Alliance, *International Property Rights Index 2018 Report*.

SPEECHES, PRESENTATIONS, AND PANELS

“Methodological Challenges in Measuring the Impact of FTAs on Access to Medicines,” Panelist at *5th Global Congress on IP and the Public Interest*, Washington College of Law (WCL), Wash D.C. (September 2018)

“Empirical Work on Copyrights: Review”, Presentation *Korean Copyright Commission*, Jinju, S. Korea (July 2018)

Panelist on Analyzing Policy Debates, *PhRMA Meeting of the Global IP Committee*, Washington, D.C. (April 2018)

“Innovation, Creativity, and Intellectual Property Rights”, Presenter and Co-Organizer, *Conference on Technology, R&D, Education, and Economy (TREE) for Africa*, Abidjan, Côte D’Ivoire (March 2018)

“Technology Transfers and the Global Copyright Industry”, Seminar, *Business Management Institute, Dalian Minzu University*, China (October 2017)

“Intellectual Property Market Impacts”, *U.S. Patent and Trademark Office*, Alexandria, VA, Discussant (September 2017)

“Sectoral Impacts of Fair Use/Fair Dealing” Conference on Copyright Limitations, *Universidade Federal do Rio de Janeiro*, Brazil (April 2017)

“Intellectual Property Rights and International Economic Development,” Lecture Series, *Global Initiative of Academic Networks, Indian Institute of Technology (IIT)*, Indore (December 2016)

“Intellectual Property and Developing Economies,” Fall Conference, *Center for the Protection of Intellectual Property, George Mason University*, Arlington, VA (October 2016)

“Multinational Investments, Technology Transfers, and Copyright Protection,” Conference Presentation, *Western Economic Association*, Lipsey Panel, Portland, Oregon, (July 2016)

“Transpacific Partnership (TPP) Agreement and Pharmaceutical Protections,” Panelist, *Cato Institute*, Washington D.C., (June 2016)

“Role of Licensing in Trade, Investment, and Technology Transfer,” Panelist, USPTO-CPIP Conference on Economic Importance of Patent Licensing, *U.S. Patent & Trademark Office* and *George Mason Law School Center for the Protection of Intellectual Property*, Alexandria, VA, (June 2016)

“Patent Protection and the Industrial Composition of Multinational Activity – New Measure of Complexity,” Conference Presentation, *Eastern Economic Association*, Washington D.C., (February 2016)

“Global Copyright Policies and U.S. Multinational Investments,” Seminar, Department of Economics GPED, *Vanderbilt University*, Nashville, Tennessee (December 2015)

“Business Cycles and Patenting,” *Asia Pacific Conference on Economics and Business*, Singapore (November 2015)

“Patent Protection and the Industrial Composition of Multinational Activity,” Distinguished Speaker Series at *Industry Canada*, Ottawa, Ontario (October 2015).

Panelist, Roundtable on Voluntary Initiatives in Copyright Enforcement, *Center for the Protection of Intellectual Property, George Mason University Law School, Arlington VA* (October 2015).

“Usage of Information from Business Cycles in Forecasting Patent Filings,” Presenter at the IP5 Statistical Working Group Meeting, *U.S. Patent and Trademark Office (USPTO), Alexandria, VA* (August 2015).

Speaker on Global Copyright Issues, *Tusher Center for Management of Intellectual Capital, University of California, Berkeley* (July 2015).

“Patent Protection, Industry Complexity, and U.S. International Licensing,” Seminar at the *Bureau of Economic Analysis, U.S. Department of Commerce, Washington, D.C.* (May 2015)

Discussant and Panelist, *World Intellectual Property Organization (WIPO) Expert Forum on Technology Transfer, Geneva, Switzerland, (February 2015).*

Discussant for Boosting Pharmaceutical Innovation in the Developing World (by Dr. Burju Kilic) held at the *Washington College of Law, American University* (November 2014).

“Copyrights and Economic Development,” Presentation at the Academic Advisory Council Meeting, *Motion Picture Association of America, Washington, D.C.* (November 2014).

“Size and Composition of Patent Families, and Valuation,” Seminar at the *U.S. Patent and Trademark Office (USPTO), Alexandria, VA* (October 2014).

“Copyrights and User Rights: Theory, Evidence, and Issues,” Seminar at Copyright User’s Rights Index and Econometric Research: Study Design Workshop, *Washington College of Law, American University* (June 2014)

“Economics of Intellectual Property,” Lecture at the *Inter-American Development Bank, Washington, D.C.* (May 2014)

“Europe Beyond Aid,” Presentation at *International Center for Trade and Sustainable Development, Geneva, Switzerland* (March 2014)

“Technology Transfer, Intellectual Property, and Developing Nations,” Guest speaker, Development Seminar, *Georgetown University, School of Foreign Service* (March 2014)

“International Licensing of Copyrighted Works,” Presentation at *Open AIR Conference, Cape Town, South Africa* (December 2013)

“Intellectual Property Rights and International Technology Transfer,” Lecture at *Center for Intellectual Property Research, Jiangsu University, China* (November 2013)

“Economic Research Design”, Conference on Law and Economics of Copyright User’s Rights, Program on Information Justice and Intellectual Property, *American University Washington College of Law, Washington, D.C.* (September 2013)

“Patent reform in global and regional free trade agreements,” Guest speaker, Development Seminar, *Georgetown University, School of Foreign Service* (March 2013)

“Perspectives on Intellectual Property Rights and Economic Development” Conference on Intellectual Property, Trade and Development, co-hosted by *Washington College of Law, American University and Public Citizen, Washington, D.C., Presenter* (October 2012)

“Can IP Reform Promote Economic Well-Being?” Trans-Atlantic Consumer Dialogue Meetings, *U.S. Department of State, Washington, D.C., Plenary Session, Panelist* (June 2012)

“TRIPS-Plus Provisions in Free Trade Agreements,” *Trans-Pacific Partnership Meetings*, Dallas, TX, session organized by *Public Citizen*, Invited Speaker (May 2012)

“U.S.-European Union Convergence in Patent Law”, Transatlantic Summit Meetings, Washington, D.C., session organized by *Science Business* and the *Federal Circuit Bar Association*, Panelist (May 2012)

“International Technology Transfer and Innovation,” Conference on the Knowledge Economy and the Role of Intellectual Property Rights, co- sponsored by the *Ministry of Higher Education and Scientific Research*, Cairo, Egypt and *World Intellectual Property Organization*, Invited Speaker (November 2011)

“Perspectives on the America Inventors Act (AIA),” *Brookings Institution*, Washington, D.C., Panelist (September 2011)

“Exports and Licensing: Impact of Patent Rights,” *Science and Technology Policy Institute*, Seoul, Korea, Seminar Presenter (August 2011)

“Appropriate Intellectual Property Rights for Economic Development,” Annual Economics Conference Presentation, *International Economic Association*, Beijing, China (July 2011)

“Intellectual Property Rights and China,” *U.S. International Trade Commission*, Washington, D.C., Seminar Presenter (November 2010)

“International Off-shoring of R&D,” *American Society for Competitiveness*, Vienna, Virginia, Panelist (October 2010)

“Korean Model of Development,” *Korean Economic Association*, jointly with the *Korean Association for Political Science*, Washington, D.C., Panelist (June 2010)

“North-South Innovation,” *Inonu University*, Malatya, Turkey, Invited Speaker (April 2010)

“Technology Transfer and Intellectual Property Rights,” Intellectual Property Rights and Economic Development, *Korea Development Institute*, Seoul, Korea, Conference Presentation (February 2010)

Conference on Entrepreneurship, National Innovation Strategy, *Organization for Economic Cooperation and Development (OECD)*, Paris, France, Presenter and Panelist (November 2007)

Trilateral Meeting, Working Group on Patent Statistics, *U.S. Patent and Trademark Office (USPTO)*, Alexandria, VA, Panelist (August 2007)

Global Intellectual Property Reform, *Center for Strategic and International Studies (CSIS)*, Washington, D.C., Panelist (September 2006)

“Open Source and Biotechnology,” *Center for Intellectual Property Policy (CIPP)* Workshop, Florence, Italy, Presenter (October 2005)

“International Technology Transfer and Intellectual Property Rights,” *Association of University Technology Managers (AUTM)* Annual Meeting, Annapolis, MD, Plenary Session, Keynote Speaker (June 2005)

“International Patenting Behavior: Aggregate and Sectoral Patterns,” *European Patent Office*, Munich Germany, Seminar Presenter, (December 2004)

“China’s Recent Intellectual Property Reforms,” *Atlas Economic Research Foundation*, New Orleans, LA, Invited Speaker (April 2003)

“Recent Developments in the World Trade Organization’s Trade Related Intellectual Property Rights Agreement,” *Center for Globalization, Yale University*, Panelist (April 2003)

“Trade, Foreign Direct Investment, and Intellectual Property Rights,” *Economic Research Service, U.S. Department of Agriculture*, Seminar Presenter (October 2002)

“R&D, Spillovers, and Intellectual Property Rights” *European Association for Industrial Economists (EARIE) Conference*, Madrid, Spain, Presenter (September 2002)

“Institutions and Incentives for R&D: Implications for Latin America” *Latin American Econometrics Society (LAMES)*, Sao Paolo, Brazil, Presenter (July 2002)

“Global Intellectual Property Rights and Impacts,” *World Bank Annual Bank Conference on Development Economics*, Washington, D.C., Presenter (April 2002)

“Intellectual Property versus Fiscal Incentives for R&D” *World Bank, Latin America and Caribbean Group (LAC)*, Washington D.C., Seminar Presentation (November 2001)

“R&D, Spillovers, and Intellectual Property Rights,” *Economic Freedom of the World Network (EFW) Conference*, San Francisco, CA (October 2001).

“R&D, Spillovers, and Intellectual Property Rights” *World Bank, Trade and Development Group*, Washington, D.C., Seminar Presentation (October 2001)

“Intellectual Property Rights, R&D, and Productivity Growth” Conference co-sponsored by *Industry Canada* and the *University of Toronto Law School*, Canada, Presenter (May 2001)

“Intellectual Property Rights and the Market Economy,” Annual Conference of the *Association of Private Enterprise Economists (APEE)*, Washington, D.C., Presenter (April 2001)

“TRIPS (Trade-Related Intellectual Property Rights Agreement and Developing Countries),” sponsored by the *International Intellectual Property Institute (IPI)*, Washington, D.C., Presenter (February 2001)

“Debate on the Human Genome Project and Patenting,” sponsored by the *Global Intellectual Property Project (GLIPP)*, *School of International Service (SIS)*, *American University*, Panelist (February 2001)

“New Economy and Internet Patenting,” *Chartered Institute of Patent Agents*, London, U.K., Invited Speaker (November 2000)

“Globalization and Patent Agent Services,” *International Federation of Intellectual Property Attorneys Meeting*, Vancouver, Canada, Invited Speaker (May 2000)

“International Intellectual Property Rights and Technology Gaps,” *Office of Harmonization for the Internal Market (OHIM) Conference*, Alicante, Spain, Presenter (March 2000)

“International Patenting and Technology Gaps,” *World Bank, Economics and Trade Research Group*, Washington, D.C., Seminar Presenter (November 1999)

“Are Patent Policies Trade-Related?” Conference on the Free Trade Areas of the Americas, organized by the *Fraser Institute*, Toronto, Canada, Invited Speaker (November 1999)

“Perspectives on Patent Cost Reduction,” Symposium on International Patenting Cost, co-hosted by the *American Intellectual Property Law Association* and *International Federation of Intellectual Property Attorneys*, Hague, Netherlands, Keynote Speaker (July 1999)

“Intellectual Property Rights and Technology Diffusion,” Conference on Law and Markets: Part I, co-hosted by the *Instituto Libertad y Desarrollo* and the *Fraser Institute*, Santiago, Chile, Presenter (April 1999)

“Patent Rights and Productivity in Latin America,” Conference on Law and Markets: Part II, co-hosted by the *Fundacion Republica* and the *Fraser Institute*, Buenos Aires, Argentina, Presenter (April 1999)

EXTERNAL PROJECTS

- ❑ American Intellectual Property Law Association (AIPLA), 1999
 - Project on policies to reduce international patenting costs.
- ❑ Center for Global Development (CGD), 2012, 2013, 2014, 2017
 - Work on the Technology Component of the Center's Commitment to Development Index.
- ❑ European Patent Office (EPO), 2004-2006, 2012-2013
 - Project on developing forecasting models of patent filings; Advisory capacity.
- ❑ Industry Canada 2001, 2009
 - Project on intellectual property rights and manufacturing growth; Project on impacts of Canadian copyright reform.
- ❑ International Federation of Intellectual Property Attorneys (FICPI), 2000
 - Project on the effects of Patent Harmonization on Legal Professional Fees and Entry.
- ❑ Organization for Economic Cooperation and Development (OECD) 1997, 2003, and 2007
 - Research on innovation and intellectual property rights (IPRs); and on the effects of global IPR reforms on trade and on technology diffusion.
- ❑ United Nations Conference on Trade and Development (UNCTAD) 2017
 - Research on market concentration and patent protection in Brazil, India, and the U.S.
- ❑ U.S. Department of Energy (U.S. DOE), 1992-3
 - Project on the role of government research labs and the commercialization of publicly funded innovations.
- ❑ World Bank 1999, 2002, 2010
 - Research on technological change and income inequality, on R&D and human capital formation in Latin America; and role of IPR in the CAFTA-DR.
- ❑ World Intellectual Property Office (WIPO), 1998
 - Project on the PCT (Patent Cooperation Treaty) system and impact of financial crises.

TEACHING EXPERIENCE

Graduate Microeconomics (MA, PhD)	Graduate Macroeconomics (MA, PhD)
Intermediate Microeconomics (BA))	Intermediate Macroeconomics (BA)
Principles Microeconomics (BA)	Principles Macroeconomics (BA)
Development Economics (MA)	International Trade and Finance (BA, MA, PhD)
Industrial Organization (BA)	Econometrics (BA, MA)
Economics Internship Advising (BA, MA)	

SERVICE EXPERIENCE

PhD Program Director, Economics Dept., American Univ.	<i>June 2017 - Present</i>
Honors Coordinator, Economics Dept., American Univ.	<i>Sept. 2016 - Aug. 2017</i>
Chair, Killam Foundation, Adjudication Committee	<i>2007 - 2010</i>
B.A. Advisor, Economics Dept., American Univ.	<i>Sept. 1994 - August 1999</i>

REFEREEING

Agricultural Economics	American Economic Review
Applied Economics	Area Development and Policy
Asia Policy	Asian Journal of Economics
Bulletin of Economic Research	Canadian Journal of Economics
Contemporary Economic Policy	Eastern Economic Journal
Economic Inquiry	Empirical Economics
Health Economics, Policy, and Law	Industrial and Corporate Change
International Economic Journal	International Journal of Management Review
Journal of Applied Economics	Journal of Development Economics
Journal of Economics	Journal of Economic and Management Strategy
Journal of Economic Behavior and Organ.	Journal of Economic Governance
Journal of Industry, Competition, and Trade	Journal of International Business Studies
Journal of International Economics	Journal of International Trade and Economic Dev.
Journal of International Trade Law and Policy	Journal of Macroeconomics
Journal of Productivity Analysis	Journal of Technology Transfer
Metroeconomica	Oxford Bulletin of Economics and Statistics
Oxford Economic Papers	PLOS One
Quarterly Review of Economics and Finance	Rand Journal
Research Policy	Review of Industrial Organization
Review of World Economics	Scandinavian Journal of Economics
Social Science Quarterly	Southern Economic Journal
Technological Forecasting and Social Change	Technovation
Thunderbird Business Review	World Bank Economic Review
World Development	World Patent Information

AWARDS

- ❑ Faculty Research Support Grant and CAS Mellon Award, Patent Valuation research, American University, 2018
- ❑ Research Travel Award, Institute for Humane Studies (IHS), 2018.
- ❑ Workshop Grant (with Prof. Ruchi Sharma, Indian Institute of Technology), Global International Academic Network, Government of India, 2016
- ❑ Outstanding Reviewer Award, Emerald Literati Network, *Journal of International Trade Law and Policy*, 2016
- ❑ Research Award, Motion Picture Association of America (MPAA), 2014 - 2015
- ❑ Research Grant to study Copyright Flexibilities, Google Inc., 2013 - 2014
- ❑ Center for North American Studies, American University, 2007
- ❑ Research on Forecasting Patent Filings, European Patent Office, 2003, 2004
- ❑ University Curriculum Development Grant 2002
- ❑ University Research Award, American University, 1994, 1995, 1997, and 2004
- ❑ Distinguished Paper, Southwestern Social Science Association, 1992
- ❑ Centre of Excellence Research Award, American University, 1992
- ❑ Raymond P. Powell Teaching Prize, Yale University, 1990
- ❑ Dissertation Fellowship, Yale University, 1986

- ❑ Social Sciences and Humanities Research Council Fellowship, 1986
- ❑ Commonwealth Scholarship, 1984
- ❑ U.K. Overseas Research Scholar, 1983

PROFESSIONAL MEMBERSHIPS

- ❑ American Economic Association (since 1992)
- ❑ Association of University Technology Managers (2005-6)
- ❑ Global Intellectual Property Project, Washington D.C. (1994 - 1999)
- ❑ Southern Economic Association (since 2005)
- ❑ Western Economic Association (since 1993)