

WALTER G. PARK

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FIELDS OF INTEREST

Intellectual Property Rights, Research and Development (R&D), Human Capital, & AI

EDUCATION

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

Ph.D. Economics, 1991

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

M.Phil. Economics, 1985

University of Toronto, Trinity College, Toronto, Canada

B.A. Economics & Statistics, 1983

EMPLOYMENT

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| Professor of Economics | American University | <i>Sept. 2013 - present</i> |
| Associate Professor of Economics | American University | <i>Sept. 1997 - Aug. 2013</i> |
| Assistant Professor of Economics | American University | <i>Sept. 1991 - Aug. 1997</i> |

OTHER AFFILIATIONS

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|---|------------------------|--------------------------------|
| U.S. Patent & Trademark Office Department of Commerce | Marian Croak Scholar | <i>July 2024 - Present</i> |
| Commonwealth Scholarship Commission United Kingdom | Alumni Advisory Panel | <i>October 2023 - Present</i> |
| Sunwater Institute Center for Property, Markets, and Trade | Advisory Council | <i>June 2023 - Present</i> |
| AU Washington College of Law Program on Info. Justice and IP | Affiliated Faculty | <i>May 2020 - Present</i> |
| 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 - Feb. 2023</i> |
| University of California, Berkeley Institute for Industrial Relations | Visiting Scholar | <i>Sept. - Dec. 1997</i> |

A. Administration

ASSOCIATE DEAN OF GRADUATE STUDIES, AUGUST 2021 - PRESENT

- ❑ Oversee the graduate programs in the College of Arts & Sciences: 5 doctoral programs, 27 masters programs, and 19 graduate certificate programs. Total enrollment of about 800 graduate students.
- ❑ Supervise the graduate enrollment and marketing (GEM) team, which handles admissions, recruitment, and marketing, and supervise the graduate advising staff, which handles matters of registration, counseling, course planning, merit awards, fellowships, probation, and graduation clearances. Supervise the data analytics team which analyzes enrollment, retention, and placement data. Provide oversight of the recruitment budget of the GEM team. Coordinate on the marketing budget with the Assistant Dean of Communication and Outreach.
- ❑ Manage/seek external partnerships. Examples: *U.S. State Department Foreign Affairs IT Fellowship*, *White House Historical Association*, *Washington Post*, *Centre des études supérieures industrielles (CSIE)*, *Jindal Global University*, and *Chinese University of Hong Kong*.
- ❑ Meet with the College Dean, Department Chairs, and the other College Associate Deans (ADs) as a group regularly. Meet regularly with the Dean of Graduate and Professional Studies, Associate Dean of Faculty, and other ADs throughout the university to discuss graduate affairs and faculty-related issues.
- ❑ Host the Educational Policy Committee (EPC), the deliberative body on curriculum changes. Review/approve curriculum changes in the college and other units within the university.
- ❑ Oversee graduate student research award competitions (Fall and Spring), dissertation research fellowships, and graduate student travel awards. Review proposals and chair graduate research sub-committees.
- ❑ Co-organize the annual *Matthias* Student Conference. Review *Matthias* Summer Scholarships.
- ❑ Attend prospective student and admitted student events; deliver addresses to attendees. Work with graduate program directors and GEM team to do outreach and help with ‘conversion’. Field select inquires from applicants.
- ❑ Seek and facilitate University-Industry Collaboration (UIC) initiatives within the College of Arts and Sciences. Twin goals are to expand enrollment (to train employees and attract future applicants) and enhance research collaboration and resources.
- ❑ Review low enrolled courses prior to each semester (including summer sessions).
- ❑ Handle graduate student petitions (e.g., leaves, extensions, exceptions, grade change requests), grievances and troubleshooting. Address hardship cases due to financial and adverse circumstances.
- ❑ Organize elections or appoint faculty to serve on College committees (such as the Dean’s Advisory Committee) and/or to serve as College representatives on Faculty Senate committees (such as the Committee on Faculty Actions). Updated the by-laws of CAS committees.
- ❑ Seek and manage College nominations for both university and college awards for faculty and staff.
- ❑ Help conduct training for Department Chairs and graduate program directors.
- ❑ Meet with the Graduate Student Council leaders to listen to and discuss student issues (e.g., financial challenges, health and wellness).

- ❑ Shepherd new graduate degree or graduate certificate programs. Review proposals and work with the Provost Office to request a marketing study, if needed. Recently, provided leadership for a new online MS degree in Data Science, launched in Fall 2023 (i.e., helped recruit a program director, designed curriculum tracks, led meetings among stakeholders, and facilitated budgeting for marketing and course development), and led the development of a new interdisciplinary doctoral degree program in Biomedical and Environmental Health Sciences, to be launched in Fall 2024.
- ❑ Lead other new programs in the pipeline: MA in Public Health Equity, MS in Audio Technology, MS in Security and Intelligence, and MS in Policy, Law, and Neuroscience.
- ❑ Manage content on the Dean's office webpage on scholarships and donor funding for graduate students (to make more transparent, accessible, and recent), as well as the college webpage on committees for faculty service opportunities.
- ❑ Work with Dean's core leadership team to review faculty line requests and faculty merit submissions.

CHAIR, ECONOMICS DEPARTMENT, AUGUST 2020 - JULY 2021

- ❑ Led a department of 31 full-time faculty, 12 adjunct faculty, and 9 scholars-in-residence. Led the department amid budget cuts, furloughs, and staff shortages (family and medical leaves) due to Covid-19.
- ❑ Facilitated transition of teaching to a virtual modality. Assisted with training of online tools and distribution of equipment (cameras, speakers), supplies, and mail/packages.
- ❑ Mitigated anxiety about the pandemic by having regular group and one-on-one check-ins with faculty and select students. Organized a few virtual happy hours with graduate students and faculty during Winter season.
- ❑ Handled two tenure and promotion cases, multiple term faculty contract renewals, and one faculty retirement. Processed sabbatical and junior leave requests. Mentored adjunct faculty (attending a few of their zoom classes and supporting their professional developments, via references).
- ❑ Established procedures and logistics for merit review during lockdown. Created a share-point site for uploading of materials and for evaluation by committees.
- ❑ Introduced a rotating budget committee to advise Chair. Made the decision process for using the discretionary (restricted) budget more transparent and equitable. Used funds to support faculty research and student projects.
- ❑ Charged with committee assignments. New committee formed was an *outreach committee* for rotating faculty to assist in student recruitment and virtual events (such as webinars) for prospective students.
- ❑ Charged with faculty course assignments and course scheduling. A novel process introduced was a five-year ahead benchmark schedule, with select non-core courses being offered every third semester due to secular trends in low enrollments. The process generated greater certainty for students about course offerings and reduced course cancellations and faculty reassignments.
- ❑ Oversaw program assessments of the BA, MA, and PhD programs in economics (i.e., taking stock of learning outcomes).
- ❑ Hosted annual awards ceremony (virtually). Selected students that matched donor award criteria.
- ❑ Responded to survey questionnaires from various professional organizations about the department (e.g., demographics).

- ❑ Prepared the annual department newsletter and distributed to Alumni.
- ❑ Strengthened the department's special *Program on Gender Analysis* through recruitment of scholars-in-residence from South America, Europe, and West Africa.

PHD PROGRAM DIRECTOR, ECONOMICS, JUNE 2017 - JUNE 2020

- ❑ Directed the doctoral degree program for the department, the largest on campus. At the time, 110 students were enrolled. Average time to completion is about 5-6 years. Just under half are funded by doctoral fellowships; the rest are self-funded (i.e., have external fellowships, jobs, or family resources).
- ❑ Provided mentorship and primary advising to students. Provided vision and defined the value proposition for the doctoral program. Identified our niche vis-à-vis competing programs: less theory and more applied, policy-oriented work; practical training opportunities, such as internship and externship opportunities in Washington D.C.; faculty connections to local government agencies, development agencies, think tanks, international organizations, among others; faculty specialties in gender economics, agent-based modeling, and development economics (including randomized control trial (RCT) experiences); research paper projects in lieu of a field comprehensive examination; and attentive faculty who highly value their teaching and scholarship.
- ❑ Introduced incremental reforms to expedite completion (e.g., replaced the field comprehensive examination with a research paper requirement and rescheduled core course offerings).
- ❑ Created a formal Blackboard (internet) resource site for doctoral students. The site was arranged by topic: program requirements, funding opportunities, job opportunities, conferences, research opportunities, procedures for advancing to candidacy.
- ❑ Chaired recruitment, outreach, admissions, and fellowship decisions. Attended Open Houses for applicants and organized orientation for new students. Reviewed academic integrity code with students annually.
- ❑ Enlisted faculty and upper-level graduate students to serve as ambassadors to phone and/or email admitted students to improve the yield rate.
- ❑ Organized a math boot camp for new doctoral students.
- ❑ Oversaw the processes for the dissertation proposal defense, committee approvals, advancement to candidacy, progress reports, and dissertation defense. Checked formalities. Ran the doctoral dissertation seminars.
- ❑ Coordinated with the placement director to help graduating students attend the annual *American Economics Association* meeting, which hosts the main job market for economists.
- ❑ Organized luncheon meetings between all faculty and graduate students in their 2nd year and above to discuss research interests and improve matching for forming dissertation committees.
- ❑ Met regularly with the other graduate program directors in the university to discuss policy.
- ❑ Undertook and wrote reports for annual program assessments.

B. Scholarship

BOOKS

Handbook of Innovation and Intellectual Property Rights: Evolving Scholarship and Reflections (edited), Edward Elgar Publishing, August 2024.

Economics of Intellectual Property and R&D: An International Perspective, Economics and Policy (LNEP) Series, World Scientific Publishing, in progress.

JOURNAL PUBLICATIONS

“All Rights Reserved: Copyright Protection and Multinational Knowledge Transfers,” *Economic Inquiry*, July 2022, Vol. 60, no. 3, pp. 1064 - 1091. [Co-author: Olena Ivus]

“Export Quality and Patent Protection: Stage-Dependent Effects in Development,” *Review of Development Economics*, May 2021, Vol. 25, no. 2, pp. 601 - 629. [Co-authors: Yan Liu and Dahai Fu]

“Technological Innovations and Market Power: A Study of the Indian Pharmaceutical Industry,” *Millennial Asia*, Vol. 12, No. 1, 2021, pp. 5 - 34. [Co-authors: Madan Dhanora and Ruchi Sharma]

“Patent Protection, Technological Efforts, and Exports: An Empirical Investigation,” *Journal of Developing Areas*, Vol. 54, No. 2, Spring 2020, pp. 145 - 162. [Co-authors: Sidheswar Panda and Ruchi Sharma]

“Can Patent Family Size and Composition Signal Patent Value?” *Applied Economics*, Vol. 51, Issue 60, 2019, pp. 6476 - 6496. [Co-author: Francois Kabore]

“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]. Reprinted in K. Saggi (ed.) *Technology Transfer, Foreign Direct Investment, and the Protection of Intellectual Property in the Global Economy*, World Scientific Studies, Vol. 82, pp. 317-345, 2023.

“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

- “Immunity to the COVID-19 Shock? The case of U.S. innovation” in Carsten Fink et al. (eds.), *Resilience and Ingenuity: Global Innovation Responses to Covid-19*, Center for Economic Policy Research (CEPR), U.K. 2022. [Co-authors: Andrew Toole, Gerard Torres, Richard Miller].
- “International Trademark and Patent Indexes” in Sary Levy-Carciente and Lorenzo Montarnari (eds.), *International Property Rights Index 2021*, Property Rights Alliance, Washington D.C. 2021. [Co-author: Chrysa Kazakou]
- “Market Concentration and Patents” in *UNCTAD Trade and Development Report 2017*, Geneva, Chapter 6, 2018. [Co-author: Padmashree Gehl-Sampath]
- “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. [Co-author: Peter Hingley]

- “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*, Chapter 3, Edward Elgar Publishers, 2014, pp. 33 - 89. [Co-author: Douglas Lippoldt]
- “Technology Trade and NAFTA” in *Progress in Economics Research*, Albert Tavidze (ed.), Nova Science Publishers, Vol 25, Chapter 2, 2011.
- “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*, Chapter 9, 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.).

“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.

OTHER PUBLICATIONS

“AI and Intellectual Property: Navigating the Future of Innovation,” *EdgarBlog*, Edward Elgar Publishing, October 2024.

“A Portrait of the Artist under Copyright,” *CreativeWritingEdu.Org*, Wiley University Services, February 2023.

“Going Forward with IP Indexes”, *Schumpeter Circle Blog*, hosted by Tambourine Innovation Ventures, June 2022.

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

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

“Europe Beyond Aid: Evaluating Europe’s Contribution to the Transfer of Technology and Knowledge to Developing Nations” *Center for Global Development Consultation Draft*, March 2014. [Co-authors: Owen Barder, Petra Krylova, and Liza Reynolds]

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

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

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

“Issues in International Patenting,” background paper for *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.

“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]

WORKS IN PROGRESS

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

“Do Patents Lead to Market Concentration and Excess Profits” [Co-author: Padmashree Gehl-Sampath]

“Fiscal Externalities in an Open Economy”

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

“Institutional Supra-nationalization and MNEs’ cross-border IPR strategies: Evidence from the Community Plant Variety Office” [Co-authors: Dan Prud’homme, Mercedes Campi, Marco Dueñas]

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

“Real Options in Patenting” [Co-authors: Andrew Toole and Gerard Torres]

CONFERENCE ORGANIZATIONS

Co-Organizer (with Sabrina Pabilonia, President of the Society of Government Economists (SGE) and Michael Palmedo, Program on Information Justice and Intellectual Property, Washington College of Law, American University), SGE Annual Conference, Conference Theme: Law and Economics, held at American University, April 20, 2023.

Co-Organizer (with Francois Kabore, Kosyam Jesuit University of Science, Burkina Faso), Conference on Technology, R&D, Education and Economy (TREE) for Africa, 1st conference in Abidjan, Côte d'Ivoire, March 21-22, 2018, 2nd conference in Korhogo, Côte d'Ivoire, April 11-12, 2019, and 3rd conference in Ouagadogo, Burkina Faso, June 1-2, 2023. *Funding for the 1st conference provided by the European Alliance for Innovation (EIA), Ministry of Higher Education and Scientific Research and Ministry of Tourism, Côte d'Ivoire, the Jesuit University Institute (CERAP); funding for the 2nd conference provided by the African Institute for Scientific Institute (AISCI), Ministry of Higher Education and Scientific Research and Ministry of Tourism, Côte d'Ivoire; funding for the 3rd conference provided by the Kosyam Jesuit University of Science.*

Co-Organizer (with Sean Flynn and Michael Palmedo, Washington College of Law) of Conference on the Law and Economics of Copyright, held at American University, Washington, D.C., September 26 - 28, 2013.

Co-Organizer (with Gary Becker, U.S. Department of Homeland Security (DHS)), Conference on Impact of Homeland Security Policies, Regulations, and Processes on the Private Sector, November 17, 2010, held at American University, Washington, D.C.

Co-Organizer (with Kevin Carey, World Bank), Conference on European Monetary System: Single Currency – Will it Work? April 22, 1998, held at American University, Washington, D.C.

SPEECHES, PRESENTATIONS, AND PANELS

“Real Options in Patenting: Role of Secondary Patent Markets,” Presentation, Conference of the *Society of Government Economists*, Washington, D.C. (April 2024)

“Intellectual Property Valuation in Secondary Patent Markets,” Webinar Presentation, *Oxford*, Oxford, U.K. (February 2024)

“AI, IPR, and Economic Development: Nascent Relationships,” Presentation, Workshop on Intellectual Property Perspectives on AI Deployment, *Sciences Po*, Paris, France (December 2023)

“Intellectual Property Rights, Innovation, and Economic Development,” Lecture Series, *Global Initiative of Academic Networks, Indian Institute of Technology (IIT)*, Indore (November 2023)

Keynote Speaker, “Science, Economics, and Copyrights,” *3rd Conference on Technology, R&D, Education, and Economy (TREE) for Africa*, Ouagadougou, Burkina Faso, (June 2023)

Presenter, “Real Options in Patenting,” *Università Cattolica del Sacro Cuore, Milano, Italy* Virtual Seminar (February 2023).

Presenter, “Innovation Under Uncertainty: Role of Secondary Patent Markets,” *IndiaLICs International Conference, organized by the School of Humanities and Social Sciences, IIT Indore* Virtual Conference (December 2022).

Presenter, “Institutional supra-nationalization, substitution, and Multinational Companies’ IPR strategies,” *Academy of International Business, U.S. Northeast Chapter Conference*, held at Kogod Business School, American University (October 2022).

Panelist, “IP Rights: Measuring Global Protection and Quantifying Economic Loss,” *Sunwater Institute and Berkeley Center for Law and Technology* Virtual Conference (January 2022).

Presenter and Discussant, “Multinationals, Innovation, and Copyright Protection,” *Western Economics Association International* Virtual Conference (June 29, 2021)

Lecturer and Resource Person, Hands-on Training: Research Methods in Intellectual Property Rights, co-organized by Gujarat National Law University, Cochin University of Science and Technology, & Inter Univ. Center for IPR, Webinar (June 12, 2021)

Discussant, “Production Linkages,” Washington Area International Trade Symposium, Webinar (April 29, 2021)

Presenter, “Trademark and patent protection,” *World IP Conference, World Intellectual Property Organization*, Webinar. (April 26, 2021)

Keynote Speaker, “Creative Works: How they Matter,” *Industry Academia Collaborations, Department of Higher Education, Government of Madhya Pradesh, in collaboration with the World Bank*, Webinar. (January 2021)

Panelist, “Patent Licensing Webinar Series: Recognizing the Growing Economic Impact of Patent Licensing, Session 3: Effects of Global Licensing,” *Innovation Alliance* (September 2020).

“Patent Valuation and Traditional Knowledge”, Presenter and Co-Organizer, *2nd Conference on Technology, R&D, Education, and Economy (TREE) for Africa*, Korhogo, Côte D’Ivoire (April 2019)

“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, *1st 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 Paulo, 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 (IIPPI)*, 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)

“International Patenting and Patent Protection,” *Western Economics Association Meeting*, Lake Tahoe, NV, Presenter (July 1998)

“Foreign Patenting in India,” Conference on South Asia Initiative, Continuity and Change, *State University of New Jersey, Rutgers*, New Brunswick, Presenter (April 1998)

“Intellectual Property Administration in Developing Nations,” *Global Intellectual Property Project*, American University, Washington, D.C., Panelist (April 1998)

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 and manufacturing growth; Project on 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.

- ❑ U.S. Patent and Trademark Office, 2020-23
 - Project on patent forecasting.
- ❑ 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.

C. Teaching

TEACHING EXPERIENCE

| Courses Taught (Degree Level) | Semester (F=fall, S=spring, U=summer), Year |
|---------------------------------------|--|
| Principles Macroeconomics (BA) | F92, F95-F96, F99, F01-F03, F07-F09 |
| Principles Microeconomics (BA) | F93, S97-S10, F10, S11, U12-U23, F12-F16, S13-S14 |
| Intermediate Macroeconomics (BA) | F91, S92-S93, S06 |
| Intermediate Microeconomics (BA) | F93, U01, U03, U04 |
| Econometrics (BA) | F96 |
| Industrial Organization (BA) | F00 |
| International Trade (BA) | F94 |
| International Finance (BA) | F92, U93 |
| Graduate Microeconomics (MA) | U05-U08 |
| Graduate Macroeconomics (MA) | F91 |
| Econometrics (MA) | S94, U94-U95 |
| Survey of Economic Development (MA) | F15, U16, S17, U18, S19, U20, S21, U22 |
| International Trade (MA & PhD) | F94-F95, F98-F99 |
| Seminar in Int'l Economics (MA & PhD) | S92-S93, S95 |
| Graduate Microeconomics (PhD) | F00-F05, F10, F12-F13, S17-S19, F19 |
| Graduate Macroeconomics (PhD) | S02-S08, S11, S13, S24 |
| Dissertation Seminar (PhD) | F17, S18-S20, F19 |

| Doctoral Dissertation students | Committee Role | Graduation Year |
|---------------------------------------|-----------------------|------------------------|
| William Mooney | Chair | Ongoing |
| Yunes Doleh | Member | Ongoing |
| Tina Mumladze | Member | Ongoing |
| David Lex Clary | Member | 2024 |
| Sarah Oliver | Member | 2024 |
| Lisa Herms | Chair | 2022 |
| Michael Palmedo | Chair | 2022 |
| Britni Wilcher | Chair | 2022 |
| Alberto Ramon | Member | 2020 |
| Katsuki Morihara | Member | 2019 |
| Michael D. Smith | Member | 2018 |
| Moon Oulatta | Member | 2018 |

| | | |
|-----------------------|--------|------|
| Ke Wang | Member | 2017 |
| Zeynap Elif Aksoy | Chair | 2016 |
| Emiko Kawagoshi | Member | 2015 |
| Mahsa Gholizadeh | Member | 2015 |
| Ezgi Ozturk | Member | 2015 |
| Ronald Simwinga | Member | 2014 |
| Ashley Provencher | Member | 2011 |
| Francois Kabore | Chair | 2011 |
| Jennifer Koncz-Bruner | Chair | 2010 |
| Ralph Sonenshine | Member | 2009 |
| Zamira Simkins | Chair | 2008 |
| Ghazi Joharji | Member | 2008 |
| George Kontos | Member | 2007 |
| Brian Diepold | Member | 2005 |
| David Spielman | Member | 2003 |
| Prabuddha Sanyal | Chair | 2003 |
| Smita Wagh | Chair | 2003 |
| Tad Reynolds | Chair | 2003 |
| Taufila Nyamadzabo | Chair | 2003 |
| Harun Ozturkler | Member | 2002 |
| Naif Al-Otaibi | Member | 2001 |
| Raj Lalchan | Member | 1999 |
| Suresh De Mel | Member | 1998 |
| Carla Feldpausch | Chair | 1997 |
| Andres Escalante | Member | 1997 |
| Xiaoning Gong | Member | 1996 |
| Beryl Altiner | Member | 1996 |
| Juan Carlos Ginarte | Chair | 1996 |
| David Brat | Chair | 1996 |
| Hasmet Gokirmak | Chair | 1995 |
| Seung-bo Koh | Member | 1995 |
| Tarik Alami | Member | 1995 |
| Raj Paralkar | Member | 1995 |
| David Rapach | Member | 1994 |

Other Instructional Activities

❑ Economics Internship Coordinator (BA, MA)

- 1993 - 1997, 1999 - 2001, 2013 to 2024
- Enrollment: 9 students on average per semester (Fall, Spring, and Summer), with a range of 3 - 15.
- Review internship requests for academic credit. Assign academic work to support on-the-job experiences. Interact with work supervisors. Evaluate academic and work performance.
- Supervise interns in diverse workplaces (owing to the Washington, D.C. location): Government (Federal agencies, Congress, Embassies), International organizations (World Bank, IMF), Think tanks (Brookings Institution), Non-profit organizations, Non-governmental organizations (NGOs), and the Private sector (Consulting, Investment banking, Law and Business).

❑ External Doctoral Dissertation Reader

- Indian Institute of Technology, Indore, 2023
- Indian Institute of Technology, Indore, 2019
- Indian Institute of Technology, Indore, 2017
- Indian Institute of Technology, Kanpur, 2009

❑ Course Development

- Online course: Survey of Economic Development, Econ-661 (Master’s Level)
- Designed course tailored to professionals and practitioners

D. Service

SERVICE EXPERIENCE

Internal: American University (AU)

| | |
|--|---------------|
| Member, Honors Advisory Committee | 2015 - 2017 |
| Member, Faculty Selection Committee for U.K. Scholarship | 2014 |
| Member, Selection Committee, Office of Merit Awards | 2013 - 2014 |
| Advisor, Center for Community Service and Learning | 2010 - 2011 |
| Faculty Advisor, University College Student Club | 2009 - 2011 |
| Reviewer, Community Service Learning, Eagle Grants | 2006 - 2008 |
| Member, Faculty Advisory Committee, C.N.A.S. | 2005 - 2007 |
| Co-Host, Career Center & Alumni Relations, Panel | February 1999 |

Internal: College of Arts & Sciences (CAS), AU

| | |
|--|--------------------------|
| Associate Dean, Graduate Studies | August 2021 - Present |
| Member, Educational Policy Committee | 2005 - 2007, 2013 - 2016 |
| Member, Budget Advisory Committee | 2005 - 2006 |
| Member, Undergraduate Advising Council | 1998 - 2001 |

Internal: Washington College of Law (WCL), PIJIP, AU

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|---|--------------------|
| Member, Board of Academic Advisors, R2R Project | May 2021 - present |
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Internal: Economics Department, CAS, AU

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|---|--------------------------------|
| Department Chair | August 2020 - July 2021 |
| PhD Program Director | June 2017 - June 2020 |
| Acting Department Chair | Aug. 2005 |
| Chair, Personnel Search Committee | 2014 - 2015 |
| Member, Personnel Search Committee | 2001 - 2005, 2007, 2012, 2013 |
| Chair, Tenure Review Committee | 2001, 2005 |
| Member, Tenure Review Committee | 2003, 2006 - 2008, 2016 - 2018 |
| Member, Undergraduate Studies Committee | 2005 - 2006 |
| Member, Grievance Committee | 2002, 2004, 2010, 2021 |
| Honors Coordinator | 1993 - 2005 |
| Coordinator, Omicron Delta Epsilon | 1993 - 2004 |
| Director of Undergraduate Studies | 1993 - 2001 |

External

| | |
|---|--------------------|
| Agent, Graduate School Alumni Fund, Yale University | May 2020 - Present |
| Chair, Killam Fellowships Program, Adjudication Committee | 2007 - 2010 |

| | |
|---|---|
| Reviewer, Tenure and Promotion, U.S. universities | <i>2001, 2007, 2009, 2013, 2019</i> |
| Reviewer, Tenure and Promotion, Non-U.S. universities | <i>2018, 2021, 2022</i> |
| Reviewer, Academic Book Proposals | <i>2007, 2008, 2011, 2015, 2016, 2018, 2019</i> |
| Reviewer, External Grants | <i>1998, 2001, 2007, 2015, 2022</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 |
| Competition and Change | Contemporary Economic Policy |
| Eastern Economic Journal | Economic Inquiry |
| Economics and Business Letters | Empirical Economics |
| Health Economics, Policy, and Law | Industrial and Corporate Change |
| Information Economics & Policy | Innovation and Development |
| International Economic Journal | International Journal of Management Review |
| Int'l Journal of Intellectual Property Mgte | 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 Econ. Dev. | Journal of International Trade Law and Policy |
| Journal of Macroeconomics | Journal of Productivity Analysis |
| Journal of Technology Transfer | Journal of World Intellectual Property |
| Managerial & Decision Economics | 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 | |

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)

E. Grants, Awards, and Other

AWARDS

- Research Grant (with Profs. Ruchi Sharma, Indian Institute of Technology), Patent Policy and Innovation: Case of the Indian Pharmaceutical Industry, Scheme for Promotion of Academic and Research Collaboration (SPARC), Government of India, 2023 - 2025

- ❑ Anti-racist Curriculum Development Award (co-awarded with Dr. Mary Hansen)
College of Arts & Sciences, American University, 2021
- ❑ Research Grant, Patenting and Economic Shocks, U.S. Patent and Trademark Office,
Department of Commerce, 2020 - 2023
- ❑ 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
- ❑ Research Grant, Motion Picture Association of America (MPAA), 2014 - 2015
- ❑ Research Grant (with Sean Flynn, Michael Palmedo WCL), Copyright Flexibilities, Google Inc.,
2013 - 2014
- ❑ Research Grant, Center for North American Studies, American University, 2007
- ❑ Nominee for Outstanding Teaching, University Faculty Awards, 2006
- ❑ Research Grant, Forecasting Patent Filings, European Patent Office, 2003 - 2005
- ❑ Seed Grant, American Consortium on European Studies (ACES), 2002
- ❑ University Curriculum Development Grant, Law and Economics, American University, 2002
- ❑ University Research Award, American University, 1994, 1995, 1997, and 2004
- ❑ Distinguished Paper, Southwestern Social Science Association, 1992
- ❑ Center 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, Canada 1986
- ❑ Commonwealth Scholarship, U.K. 1984
- ❑ U.K. Overseas Research Scholar, 1983

CERTIFICATES OF APPRECIATION

- ❑ Gujarat National Law University, Hands-on Training Workshop, June 2021
- ❑ Outstanding Contribution in Reviewing, *Technological Forecasting & Social Change*, Elsevier, Am-
sterdam, April 2017
- ❑ Outstanding Contribution in Reviewing, *Research Policy*, Elsevier, Amsterdam, January 2017
- ❑ Outstanding Reviewer Award, Emerald Literati Network, *Journal of International Trade Law and
Policy*, 2016
- ❑ American University, Center for Community Engagement and Service, Contribution to Service
Learning 2011
- ❑ American University, Department of Experiential Learning, Internship Faculty Recognition 2004

MEDIA INTERVIEWS

- ❑ *Faculti.net*, Interviewed on patents and multinational firm activity, October 22, 2021.
- ❑ *Forbes Magazine*, Interviewed for op-ed about IP Rights and Women, April 26, 2018.
- ❑ *Radiodiffusion Television Ivoirienne, RTI*, Côte d'Ivoire TV & Radio. Interviewed about intellectual property and technology, March 21, 2018.
- ❑ *Sci Dev Net*, Internet. Interviewed about European Union technology transfers to the developing world, April 9, 2014.
- ❑ *Chosun Ilbo*, S. Korean newspaper. Interviewed at a conference on the Korean model of development, Willard Hotel, Washington, DC, July 2, 2010.
- ❑ *Televisio de Catalunya, S.A.*, TV 3 Spain. Interviewed about the European Union and impact on the U.S. dollar, April 1998.

FACULTY DEVELOPMENT ACTIVITIES ATTENDED

- ❑ Supervisor Academy Sessions, Virtual Training hosted by American University Human Resources. Eight learning sessions that support a supervisor's knowledge and competencies as a manager (March - May, 2023)
- ❑ Allied Social Sciences Association (ASSA) Conference, "Meeting on Diversity, Equity, and Inclusion." Symposium for Department Chairs to discuss initiatives for promoting diversity, equity, and inclusion in academia. (January 2, 2021)
- ❑ Diversity, Equity, and Inclusion (DEI) Workshop, "Core Five 101" organized by the College of Arts and Sciences CAS, AU. Topic: From Power and Privilege to Allyship and Advocacy, facilitated by Sherard Robbins. (February 24, 2021).