

AJAY K. AGRAWAL
Geoffrey Taber Chair in Entrepreneurship and Innovation
Rotman School of Management, University of Toronto

Education

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| 1995 - 2000 | University of British Columbia, Vancouver, BC Ph.D. Strategy and Economics |
| 1998 - 2000 | Massachusetts Institute of Technology, Cambridge, MA Visiting Scholar |
| 1993 - 1995 | University of British Columbia, Vancouver, BC M.Eng./MBA |
| 1994 | London Business School, London, UK Visiting Scholar |
| 1988 - 1993 | University of British Columbia, Vancouver, BC B.A.Sc. |

Thesis Committee

Professor Iain Cockburn, co-chair (Boston University)
Professor Rebecca Henderson, co-chair (Harvard University)
Professor James Brander (University of British Columbia)

Research

Refereed Publications

1. "Artificial intelligence adoption and system-wide change," *Journal of Economics & Management Strategy*, with Joshua Gans and Avi Goldfarb, March, 2024.
2. "Superhuman science: How artificial intelligence may impact innovation," with John McHale and Alexander Oettl, *The Journal of Evolutionary Economics*, forthcoming, 2024.
3. Do we want less automation? AI may provide a path to decrease inequality," with Joshua Gans and Avi Goldfarb; *Science*, 381 (6654), July 2023.
4. "Enabling Entrepreneurial Choice," with Joshua Gans and Scott Stern, *Management Science*, 67(9), 2021.
5. "Tax Credits and Small Firm R&D Spending," (with Carlos Rosell and Timothy Simcoe), *American Economic Journal: Economic Policy*, 12 (2), May, 2020.
6. "Artificial Intelligence: The Ambiguous Labor Market Impact of Automating Prediction," with Joshua Gans and Avi Goldfarb, *Journal of Economic Perspectives*, 33 (2), Spring 2019, 31-50.
7. "Exploring the Impact of Artificial Intelligence: Prediction versus Judgement," with Joshua Gans and Avi Goldfarb, *Information Economics and Policy*, Volume 47, 1-6, June 2019.
8. "Slack Time and Innovation," with Christian Catalini, Avi Goldfarb, and Hung Luo, *Organization Science*, 29(6), 2018, 989-1236.
9. "Human Judgement and AI Pricing," with Joshua Gans and Avi Goldfarb, *American Economics Association: Papers and Proceedings*, Vol. 108, 2018, 58-63.
10. "How Stars Matter: Recruiting and peer effects in evolutionary biology," with John McHale and Alex Oettl, *Research Policy*, 2017.
11. "Does Standardized Information in Online Markets Disproportionately Benefit Job Applicants from Less Developed Countries?" with Nicola Lacetera and Elizabeth Lyons; *Journal of International Economics*, 2016, 103, 1-12.
12. "Roads and Innovation," with Alberto Galasso and Alex Oettl, *Review of Economics and Statistics*, June 2016.
13. "Understanding the Changing Structure of Scientific Inquiry," with Avi Goldfarb and Florenta Teodoridis, *American Economic Journal: Applied Economics*, 2016, 8(1): 100-128.
14. "Are Syndicates the Killer App of Equity Crowdfunding?" with Avi Goldfarb and Christian Catalini, *California Management Review*, 58(2), 2016, 111-124.
15. "Crowdfunding: Geography, Social Networks, and the Timing of Investment Decisions," with Christian Catalini and Avi Goldfarb, *Journal of Economics and Management Strategy*, 24 (2), 2015, 253-274.
16. "Deals not Done: Sources of Failure in the Market for Ideas" with Iain Cockburn and Laurina Zhang, *Strategic Management Journal*, 36(7), 2015, 976-986.

17. "Why Are Some Regions More Innovative than Others? The Role of Firm Size Diversity," with Iain Cockburn, Alberto Galasso, and Alex Oettl, *Journal of Urban Economics*: 81, 2014, 149-165.
18. "Life Sciences Venture Capital in Emerging Markets," with Justin Chakma and Stephen Sammut, *Nature Biotechnology*, 31(3), 2013, 195-201.
19. "Recruiting for Ideas: How Firms Exploit the Prior Inventions of New Hires," with Jasjit Singh, *Management Science* 57(1), 2011, 129-150.
20. "Brain Drain or Brain Bank? The Impact of Skilled Emigration on Poor-Country Innovation," with Devesh Kapur, John McHale, and Alex Oettl, *Journal of Urban Economics*, 69(1), 2011, 43-55.
21. "Not Invented Here? Innovation in Company Towns," with Iain Cockburn and Carlos Rosell, *Journal of Urban Economics*, Vol. 67 (1), 2010, 78-89.
22. "Have University Knowledge Flows Narrowed? Evidence from Patent Data," with Carlos Rosell, *Research Policy*, Vol. 38 (1), 2009, 1-13.
23. "Restructuring Research: Communication Costs and the Democratization of University Innovation," with Avi Goldfarb, *American Economic Review*, Vol. 98(4), 2008, 1578-1590.
24. "How Do Spatial and Social Proximity Influence Knowledge Flows? Evidence from Patent Data," with Devesh Kapur and John McHale, *Journal of Urban Economics*, Vol. 64, 2008, 258-269.
25. "International Labor Mobility and Knowledge Flow Externalities," with Alex Oettl, *Journal of International Business Studies*, 39(8), 2008, 1242-1260.
26. "Public Sector Science and the Strategy of the Commons," with Lorenzo Garlappi, *Economics of Innovation and New Technology*, 16 (7), 2007, 517-539.
27. "Engaging the Inventor: Exploring Licensing Strategies for University Inventions and the Role of Latent Knowledge," *Strategic Management Journal*, 27 (1), 2006, 63-79.
28. "Gone But Not Forgotten: Labor Flows, Knowledge Spillovers and Enduring Social Capital," with Iain Cockburn and John McHale, *Journal of Economic Geography*, 6 (5), 2006, 571-591.
29. "The Anchor Tenant Hypothesis: Examining the Role of Large, Local, R&D-Intensive Firms in University Knowledge Transfer," with Iain Cockburn, *International Journal of Industrial Organization*, Vol. 21, 2003, 1227-1253.
30. "Putting Patents in Context: Exploring Knowledge Transfer from MIT," with Rebecca Henderson, *Management Science*, Vol. 48, No. 1, January 2002, 44-60.
31. "Research on University-to-Industry Knowledge Transfer: Framework of Existing Literature and Unanswered Questions," *International Journal of Management Reviews*, Vol. 3, No. 4, 2001, 285-302.

Working Papers

1. "The Turing Transformation: Artificial Intelligence, Intelligence Augmentation, and Skill Premiums", with Joshua Gans and Avi Goldfarb, *NBER Working Paper #31767*, October 2023.
2. "Similarities and Differences in the Adoption of General Purpose Technologies," (with Joshua Gans and Avi Goldfarb), Working Paper, *NBER*, February 2023.
3. "Prediction machines, insurance, and protection: An alternative perspective on AI's role in production," (with Joshua Gans and Avi Goldfarb), *Brookings/NBER Working Paper*, 2022.
4. "Does Mentorship Drive Startup Performance?" (with Amir Sariri) Working Paper, April 2022
5. "From Task-Based Substitution to Decision-Making Augmentation: A New Perspective on AI's Role in Production", (Joshua Gans and Avi Goldfarb), Working Paper, *Brookings*, March 2022.
6. "Rapid Workplace Antigen Screening during Canada's Third Wave of COVID-19", (with Avi Goldfarb, Joshua Gans, Sonia Sennik, Janice Stein, Kyle Robinson, Devon Elke, Evgenia Gatov, and Laura Rosella) Working Paper, November 2021.
7. "Identifying the Causes of False Positives in Rapid Antigen Tests for SARS-CoV-2 in a Scaled Implementation", (with Joshua Gans, Avi Goldfarb, Sonia Sennik, Janice Stein, and Laura Rosella), Working Paper, November 2021.
8. "AI Adoption and System-Wide Change", (with Joshua Gans and Avi Goldfarb), Working Paper 28811, *NBER*, May 2021.
9. "Enabling Entrepreneurial Choice" (with Joshua Gans and Scott Stern), *NBER Working Paper 27379*, June 2020.
10. "Artificial Intelligence, Scientific Discovery, and Commercial Innovation," (with John McHale and Alexander Oettl), working paper, February 2020.

11. “Competing Through AI: Does the Early Entrant Always Win?” (with Joshua Gans and Avi Goldfarb), working paper, April 2020.
12. “Finding Needles in Haystacks: Artificial Intelligence and Recombinant Growth” (with John McHale and Alex Oettl) NBER Working Paper 24541, 2018.
13. “Does Scientist Immigration Harm US Science? An Examination of Spillovers,” (with John McHale and Alexander Oettl), NBER Working Paper 24519, 2018.
14. “Introduction to ‘The Economics of Artificial Intelligence: An Agenda,’” (with Joshua Gans and Avi Goldfarb), in *The Economics of Artificial Intelligence: An Agenda* (eds. Ajay Agrawal, Joshua Gans, Avi Goldfarb), University of Chicago Press, forthcoming, 2018.
15. “Human Judgement and AI Pricing,” (with Joshua Gans and Avi Goldfarb), NBER Working Paper 24284, 2018.
16. “Prediction, Judgement, and Complexity: A Theory of Decision Making and Artificial Intelligence,” (with Joshua Gans and Avi Goldfarb), NBER Working Paper 24243, 2018.
17. “Slack Time and Innovation” (with Christian Catalini and Avi Goldfarb) NBER Working Paper 21134, 2015.
18. “Are Syndicates the Killer App of Equity Crowdfunding?” Rotman School of Management Working Paper No. 2569988, 2015.
19. “Do Tax Credits Affect R&D Expenditures by Small Firms? Evidence from Canada” (with Carlos Rosell and Tim Simcoe) NBER Working Paper 20615, 2014.
20. “Roads and Innovation” (with Alberto Galasso and Alexander Oettl) CEPR Discussion Paper 10113, 2014.
21. “Why Stars Matter,” (with John McHale and Alex Oettl) NBER Working Paper 20012, 2014.
22. “Does the Accumulation of Knowledge Cause an Increase in Returns to Collaboration? Evidence from the Collapse of the Soviet Union” (with Avi Goldfarb and Florenta Teodoridis), NBER Working Paper 19694, 2013.
23. “Does Information from Online Markets for Contract Labor Help or Hinder Applicants from Less Developed Countries?” (with Nicola Lacetera and Elizabeth Lyons), NBER Working Paper 18720, 2013.
24. “Collaboration, Stars, and the Changing Organization of Science: Evidence from Evolutionary Biology,” (with John McHale and Alex Oettl), NBER Working Paper 19653, 2013.
25. “Digitization and the Contract Labor Market: A Research Agenda,” (with John Horton, Nicola Lacetera, and Liz Lyons) NBER Working Paper 19525, 2013.
26. “Why Are Some Regions More Innovative than Others? The Role of Firm Size Diversity,” (with Iain Cockburn, Alberto Galasso, and Alex Oettl), Working Paper 17793, *National Bureau of Economic Research*, Cambridge, MA, 2012.
27. “Deals not Done: Sources of Failure in the Market for Ideas” (with Iain Cockburn and Laurina Zhang), NBER Working Paper 19679, 2013.
28. “The Geography of Crowd-Funding,” (with Christian Catalini and Avi Goldfarb) Working paper 16820, *National Bureau of Economic Research*, Cambridge, MA, 2011.
29. “Recruiting for Ideas: How Firms Exploit the Prior Inventions of New Hires,” (with Jasjit Singh) Working Paper 15869, *National Bureau of Economic Research*, Cambridge, MA, 2010.
30. “Not Invented Here? Innovation in Company Towns,” (with Iain Cockburn and Carlos Rosell) Working Paper 15437, *National Bureau of Economic Research*, Cambridge, MA, 2009.
31. “Brain Drain or Brain Bank? The Impact of Skilled Emigration on Poor Country Innovation,” (with Devesh Kapur and John McHale) Working Paper 14592, *National Bureau of Economic Research*, Cambridge, MA, 2008.
32. “Birds of a Feather – Better Together? How Co-Ethnicity and Co-Location Influence Knowledge Flows,” (with Devesh Kapur and John McHale) Working Paper 12823, *National Bureau of Economic Research*, Cambridge, MA, 2007.
33. “Restructuring Research: Communication Costs and the Democratization of University Innovation,” (with Avi Goldfarb), Working Paper 12812, *National Bureau of Economic Research*, Cambridge, MA, 2006.
34. “University Patenting: Estimating the Diminishing Breadth of Knowledge Diffusion and Consumption,” (with Carlos Rosell) Working Paper 12640, *National Bureau of Economic Research*, Cambridge, MA, 2006.
35. “Gone But Not Forgotten: Labor Flows, Knowledge Spillovers and Enduring Social Capital,” (with Iain Cockburn and John McHale) Working Paper 9950, *National Bureau of Economic Research*, Cambridge, MA, 2003.
36. “University Research, Industrial R&D, and the Anchor Tenant Hypothesis,” (with Iain Cockburn) Working Paper 9212, *National Bureau of Economic Research*, Cambridge, MA, 2002.

Other Publications

1. "Economics of Artificial Intelligence: Health Care Challenges", *University of Chicago Press*, co-edited with Avi Goldfarb, Joshua Gans, and Catherine Tucker, 2024.
2. "Prediction Machines, Insurance, and Protection: An Alternative Perspective on AI's Role in Production", with Avi Goldfarb and Joshua Gans, *Journal of The Japanese and International Economies*, forthcoming 2024.
3. "The Turing Transformation: Artificial Intelligence, Intelligence Augmentation, and Skill Premiums", with Joshua Gans and Avi Goldfarb, *Harvard Data Science Review*, forthcoming 2024.
4. "Examining the Relationship Between Workplace Industry and COVID-19 Infection: A Cross-sectional Study of Canada's Largest Rapid Antigen Screening Program", *National Institute of Health National Library of Medicine* with Evgenia Gatov, Sonia Sennik, Avi Goldfarb, Joshua Gans, Janice Stein, and Laura Rosella, December, 2023.
5. "Examining the relationship between workplace industry and COVID-19 infection: a cross-sectional study of Canada's largest rapid antigen screening program", with Joshua Gans, Avi Goldfarb, Janice Stein, Sonia Sennik, and Laura Rosella, *Journal of Occupational and Environmental Medicine*, 2023.
6. "Blast off: The space economy takes flight", *Forbes*, with Joshua Gans, Avi Goldfarb, Chris Hadfield, and Mara Lederman, Sep 14 2023.
7. 'How Large Language Models Reflect Human Judgment', *Harvard Business Review*, with Joshua Gans and Avi Goldfarb, June 12, 2023.
8. "From Prediction to Transformation," with Joshua Gans and Avi Goldfarb, *Harvard Business Review*, April, 2023.
9. "Power & Prediction: The Disruptive Economics of Artificial Intelligence" with Joshua Gans and Avi Goldfarb, Monograph, *Harvard Business School Press*, 2022.
10. "Large-scale implementation of rapid antigen testing system for COVID-19 in workplaces," with Laura Rosella, Joshua Gans, Avi Goldfarb, Sonia Sennik, and Janice Stein, *Science Advances*, 8(8), February, 2022.
11. "False-Positive Results in Rapid Antigen Tests for SARS-CoV-2," with Joshua Gans, Avi Goldfarb, Sonia Sennik, Janice Stein, and Laura Rosella, *JAMA*, January 7, 2022, 327(5):485-486.
12. "How AI will change strategy: A thought experiment," with Joshua Gans and Avi Goldfarb, *Harvard Business Review*, Winter 2021, pp.30-31.
13. "How to Win with Machine Learning," with Joshua Gans and Avi Goldfarb, *Harvard Business Review*, September-October, 2020.
14. "The CEO's Guide to Safely Reopening the Workplace," with Joshua Gans, Avi Goldfarb, and Mara Lederman, *MIT Technology Review*, 28 May 2020.
15. "The Economics of Artificial Intelligence: An Agenda," with Joshua Gans and Avi Goldfarb (editors), University of Chicago Press, 2019.
16. "Prediction, Judgement, and Complexity: A Theory of Decision-Making and Artificial Intelligence," with Joshua Gans and Avi Goldfarb in "The Economics of Artificial Intelligence: An Agenda," with Joshua Gans and Avi Goldfarb (editors), University of Chicago Press, 2019.
17. "Finding Needles in Haystacks: Artificial Intelligence and Recombinant Growth," with John McHale and Alexander Oettl in "The Economics of Artificial Intelligence: An Agenda," with Joshua Gans and Avi Goldfarb (editors), University of Chicago Press, 2019.
18. "The Economics of Artificial Intelligence," with Joshua Gans and Avi Goldfarb, in *Innovation Policy and the Economy, Volume 19*, National Bureau of Economic Research, eds. Josh Lerner and Scott Stern, 2019.
19. "Exploring the Impact of Artificial Intelligence: Prediction versus Judgement," – with Avi Goldfarb and Joshua Gans, National Bureau of Economic Research, May 2018.
20. "Economic Policy for Artificial Intelligence," – with Avi Goldfarb and Joshua Gans, Vox CEPR Policy Portal, August 2018.
21. "Google's AI Assistant Is a Reminder that Privacy and Security Are Not the Same," with Joshua Gans and Avi Goldfarb, *Harvard Business Review*, 2018
22. "Prediction Machines: The Simple Economics of Artificial Intelligence," monograph, with Joshua Gans and Avi Goldfarb, Harvard Business Review Press, 2018.
23. "A Simple Tool to Start Making Decisions with the Help of AI," with Joshua Gans and Avi Goldfarb, *Harvard Business Review* online, 2018.
24. "Is Your Company's Data Actually Valuable in the AI Era?" with Joshua Gans and Avi Goldfarb, *Harvard Business Review* online, 2018.
25. "How AI Will Change Strategy: A Thought Experiment," with Joshua Gans and Avi Goldfarb, *Harvard Business Review* online, 2017.

26. "How AI Will Change the Way We Make Decisions" with Joshua Gans and Avi Goldfarb, Harvard Business Review online, 2017.
27. "The Trade-Off Every AI Company Will Face," with Joshua Gans and Avi Goldfarb, Harvard Business Review online, 2017.
28. "What to Expect From Artificial Intelligence," with Joshua Gans and Avi Goldfarb, MIT Sloan Management Review, 2017.
29. "The Simple Economics of Machine Intelligence," with Joshua Gans and Avi Goldfarb, Harvard Business Review online, 2016.
30. "The Obama Administration's Roadmap for AI Policy," - with Joshua Gans and Avi Goldfarb, MIT Sloan Management Review, 2016.
31. "Diaspora Networks, Knowledge Flows, and Brain Drain," in *Intellectual Property, the International Mobility of Knowledge Workers, and the Brain Drain*, World Intellectual Property Organization, Geneva, Switzerland, 2016.
32. "Collaboration, Stars, and the Changing Organization of Science: Evidence from Evolutionary Biology," (with John McHale and Alex Oettl) in *The Changing Frontier: Rethinking Science and Innovation Policy*, eds. Adam Jaffe and Ben Jones, University of Chicago Press, 2015.
33. "Some Simple Economics of Crowdfunding," (with Christian Catalini and Avi Goldfarb) in *Innovation Policy and the Economy*, Volume 14, National Bureau of Economic Research, eds. Josh Lerner and Scott Stern, 2014.
34. "Digitization and the Contract Labor Market: A Research Agenda," (with John Horton, Nicola Lacetera, and Liz Lyons) in *Economics of Digitization*, Edward Elgar Publishing, 2013.
35. "Transaction Costs in Technology Transfer and Implications for Strategy," in *Economic Institutions of Strategy, Advances in Strategic Management*, Vol. 26, eds. B. Silverman and J. Nickerson, 2009, pp. 3-38.
36. "U.S./Canadian Licensing In 2007-08: Survey Results," (with Louis Berneman, Iain Cockburn, and Shankar Iyer) *les Nouvelles* – Journal of the Licensing Executive Society International, March 2009, pp. 1-8.
37. "A Survey of R&D Governance in Canada and an Exploration of the Role of Social Relationships in Outsourcing R&D," in *Industrial Economics & Performance in Canada*, Industry Canada, 2005.
38. "D-Wave: Building a Quantum Computer,"(with Alan MacCormack and Rebecca Henderson) Harvard Business School Case No. N9-604-073, Harvard Business School Publishing, Cambridge, MA, 2004.
39. "University Knowledge Transfer and the Patent Channel," (with Rebecca Henderson) *Technological Innovation and Intellectual Property Newsletter*, 2003.
40. "Innovation and the Growth of Cities," (book review) *Journal of Economic Geography*, Vol. 3, Issue 4, pp. 458-461, 2003.
41. "Public Sector Science and the 'Strategy of the Commons' (Abridged)," (with Lorenzo Garlappi) *Best Paper Proceedings*, Academy of Management, 2002.
42. "Innovation, Growth Theory, and the Role of Knowledge Spillovers," Statistics Canada, *The Innovation Analysis Bulletin*, Vol. 4, No. 3, 2002, Ottawa, Canada.

Paper Presentations

University of Southern California, Los Angeles, CA; University of California San Diego, San Diego, CA; Duke University, Durham, NC; Stanford University, Palo Alto, CA; Harvard University, Cambridge, MA; University of Pennsylvania, Philadelphia, PA; MIT, Cambridge, MA; University of California at Berkeley, Berkeley, CA; London School of Economics, London, UK; University of Toronto, Toronto, ON; National Bureau of Economic Research, Cambridge, MA; University of North Carolina, Chapel Hill, NC; NYU, New York, NY; Georgia Tech, Atlanta, GA; London Business School, London, UK; Boston University, Boston, MA; University of Barcelona, Barcelona, Spain; University of British Columbia, Vancouver, BC; Ecole Polytechnique Fédérale de Lausanne, Switzerland; Università Ca' Foscari di Venezia, Venice, Italy; CIRANO, Montreal, PQ; Federal Reserve Bank of Boston, Boston, MA; Academy of Management Annual Meeting, Atlanta, GA; Canadian Economics Association Annual Meeting, Montreal, PQ; International Society for New Institutional Economics Annual Meeting, Tucson, Arizona; Schumpeter Society Conference, Bocconi University, Milan, Italy; CORS/INFORMS Joint International Meeting, Banff, AB; Strategic Management Society Annual Meeting, Baltimore, MD; Academy of Management Annual Meetings, Seattle, WA; European Association for Research on Industrial Economics Annual Meeting, Helsinki School of Economics, Finland; Canadian Economics Association Annual Conference, Ottawa, ON; National Science Foundation Conference, University of North Carolina Greensboro, NC; Center for Economic Policy Research (CEPR) and Università' L.Bocconi, Alghero, Italy; European Association for Research in Industrial Economics (EARIE), Dublin, Ireland; Academy of Management, Toronto, ON; Portland International Conference on Management of Engineering and Technology, Portland, OR; European Economics Association Annual Conference, University of Stockholm, Sweden; Academy of Management, Annual Conference, Denver, CO; Carnegie Mellon University, Pittsburgh, PA

Acknowledgements

2022 Order of Canada
2023 President's Impact Award, University of Toronto
2023 Special Recognition of Achievement Award, Canada Awards for Excellence
2022 Honorary Doctorate, University of Calgary
2021 Outstanding Research Impact Award, Rotman School of Management, University of Toronto
2018 Alfred P. Sloan Foundation Grant (2018-2020), with Joshua Gans, Avi Goldfarb, and Catherine Tucker
2017 Distinguished Scholarly Contribution Award
2017 CIFAR Grant for scholarly conference on the Economics of Artificial Intelligence (2017-18)
2013 Professor of the Year (Awarded by MBA Class of 2013)
2013 Social Sciences and Humanities Research Council Award, Principal Investigator (2013-2018)
2012 Professor of the Year (Awarded by MBA Class of 2012)
2011 Professor of the Year and Most Challenging Professor (Awarded by MBA Class of 2011)
2010 Martin-Lang Award for Excellence in Teaching
2009 Social Sciences and Humanities Research Council Award, Principal Investigator (2009-2012)
2009 Professor of the Year (Awarded by MBA Class of 2009)
2008 Professor of the Year (Awarded by MBA Class of 2008)
2007 Professor of the Year (Awarded by MBA Class of 2007)
2006 Professor of the Year (Awarded by MBA Class of 2006)
2005 National Science Foundation Research Grant (2005-2010), Senior Investigator for "Harnessing Patent Data for Social Science Research"
2005 Connaught Research Grant Award (2005-2007), University of Toronto
2005 Recognition for "outstanding" teaching, Rotman School of Management, Dean's Office
2004 Social Sciences and Humanities Research Council Award, Principal Investigator (2004-2007)
2004 Research Grant Award, Principal Investigator (2004-2005), Skills Research Initiative (Social Sciences and Humanities Research Council, Department of Human Resources and Skills Development, Industry Canada)
2004 Recognition for "outstanding" teaching, Rotman School of Management, Dean's Office
2003 Nominated for Polanyi Prize in Economics
2003 Nominated for 2003 Teaching Excellence Award, Queen's University Commerce Society
2002 New Researcher Award, Queen's University, School of Business
2002 SSHRC INE Research Award, Principal Investigator (2002-2005)
2002 D.I. McLeod Research Fellowship

2002 Best Paper, Academy of Management, BPS Division
 2002 Top Nominee, 2002 Teaching Excellence Award, Queen's University Commerce Society
 2001 Shortlisted for Young Economist Essay Prize, European Assoc. for Research in Ind. Economics
 2001 Best Student Paper Award 2001, Portland Int. Conf. for Management in Engineering and Tech
 2000 Best Dissertation Award Runner-up, jointly awarded by INFORMS and the Academy of Management, Technology and Innovation Management Division
 2000 Nominated for the Carolyn Dexter Best International Paper Award, one of two papers nominated by the Academy of Management, Technology and Innovation Management Division.
 1999 Entrepreneurship Research Fellowship, University of British Columbia
 1997 Entrepreneurship Research Fellowship, University of British Columbia
 1995 Entrepreneurship Research Fellowship, University of British Columbia
 1995 International Business Scholarship, University of British Columbia

Conference Leadership

2024 First Annual Bayesian Entrepreneurship Conference (MIT, co-organizer)
 2024 The Economics of Transformative AI: What if We Succeed? Workshop (Stanford, co-organizer)
 2023 NBER Conference on the Economics of Artificial Intelligence (co-organizer)
 2023 NBER Graduate Student Tutorial on the Economics of Artificial Intelligence (organizer)
 2022 NBER Conference on the Economics of Artificial Intelligence (organizer)
 2021 NBER Conference on the Economics of Artificial Intelligence (organizer)
 2021 NBER Graduate Student Tutorial on the Economics of Artificial Intelligence (organizer)
 2020 NBER Conference on the Economics of Artificial Intelligence (organizer)
 2020 NBER Graduate Student Tutorial on the Economics of Artificial Intelligence (organizer)
 2019 Machine Learning and the Market for Intelligence, Toronto, ON (organizer)
 2019 NBER/Sloan Conference on the Economics of Artificial Intelligence, Toronto, ON (co-organizer with Catherine Tucker, Joshua Gans and Avi Goldfarb)
 2018 Machine Learning and the Market for Intelligence, Toronto, ON (organizer)
 2018 NBER/Sloan Conference on the Economics of Artificial Intelligence, Toronto, ON (co-organizer with Catherine Tucker, Joshua Gans and Avi Goldfarb)
 2017 NBER Conference on the Economics of Artificial Intelligence, Toronto, ON (co-organizer with Joshua Gans and Avi Goldfarb)
 2017 Machine Learning and the Market for Intelligence, Toronto, ON (organizer)
 2017 Economics of Innovation and Entrepreneurship Conf., Queen's University, ON (organizer, with Jean-Etienne de Bettignies and Douglas Cumming)
 2016 Machine Learning and the Market for Intelligence, Toronto, ON (organizer)
 2016 Economics of Innovation and Entrepreneurship Conf., Queen's University, ON (organizer, with Jean-Etienne de Bettignies and Douglas Cumming)
 2016 Quantum Machine Learning, Toronto, ON (organizer)
 2015 Machine Learning and the Market for Intelligence, Toronto, ON (organizer)
 2015 Economics of Innovation and Entrepreneurship Conf., Queen's University, ON (organizer, with Jean-Etienne de Bettignies and Douglas Cumming)
 2014 Economics of Innovation and Entrepreneurship Conf., Queen's University, ON (organizer with Jean-Etienne de Bettignies and Douglas Cumming)
 2013 Economics of Innovation and Entrepreneurship Conf., Queen's University, ON (co-organizer with Jean-Etienne de Bettignies and Douglas Cumming)
 2012 Canadian Conference on Innovation and Entrepreneurship, Queen's University, Kingston, ON (co-organizer with Jean-Etienne de Bettignies and Douglas Cumming)
 2011 NBER/USPTO Conference on Patents, Standards, and Innovation (co-organizer with Tim Simcoe and Stuart Graham)
 2011 Economics of Innovation and Entrepreneurship Conf., Queen's University, ON (co-organizer with Jean-Etienne de Bettignies and Douglas Cumming)
 2010 Economics of Innovation and Entrepreneurship Conference, Queen's University, ON (co-organizer with Jean-Etienne de Bettignies and Douglas Cumming)
 2009 NBER Productivity Meeting (Winter), Cambridge, MA (co-organizer with Ben Jones)
 2009 Economics of Innovation and Entrepreneurship Conf., Queen's University, ON (co-organizer with Jean-Etienne de Bettignies, John McHale, and Douglas Cumming)

Service

- Brookings Advisory Council, Member (2022-present)
- Vector Institute for Artificial Intelligence, Faculty Affiliate (2020-present)
- Creator: CDL Reading Group – Topic: In an age when the traditional lines between human and machine are increasingly blurred, we explore the question: What does it mean to be human? (2020-present)
- Chair: CDL Vision Council – Mission: Propose practical solutions for the Covid-19 crisis (2020)
- International Advisory Committee for the National Institute for Information and Communications Technology, 2020-present (Tokyo, Japan)
- Block Center for Technology and Society, Board Member, 2018-present (Carnegie Mellon University)
- National Academies of Science, Engineering, and Medicine Committee on Science and Innovation Leadership for the 21st Century, 2019-2020 (Washington, D.C.)
- Recruiting Committee, 2018 (Strategy Area, Rotman School of Management, University of Toronto)
- Tenure committees and tenure letters, 2015, 2016, 2017, 2018
- Recruiting Committee, 2014 (Strategy Area, Rotman School of Management, University of Toronto)
- Recruiting Committee, 2014 (Health Economics, Health Innovation, UTM, University of Toronto)
- Creative Destruction Lab, Founder and Academic Director, 2012 – present (Rotman School of Management)
- External examiner – Elais Collette (PhD candidate), 2012, (Carleton University, Department of Economics)
- Roundtable on Early-Stage Investment (\$400m), Organizer, 2012, (Federal Finance Minister’s Office)
- Canadian Conference on Innovation and Entrepreneurship, Co-Founder, 2008-present (Scholarly community)
- Centre for Innovation and Entrepreneurship, Academic Director, 2010 – present (Rotman School of Management)
- Masters Program Committee, 2011 – 2013 (Rotman School of Management)
- Impact Consulting Student Venture, Board Chair (volunteer), 2005 – 2011 (Rotman School of Management)
- Executive Committee, 2005 – 2008 (Rotman School of Management, University of Toronto)
- Recruiting Committee, 2004 (Strategy Area, Rotman School of Management, University of Toronto)
- Ph.D. Admissions Committee, 2003-2005 (Strategy Area, Rotman School of Management, University of Toronto)
- Research Committee, 2001-2003 (Queen’s School of Business, Queen’s University)
- Internal external examiner – Dieter Franz Kogler (PhD candidate), 2009, (Univ. of Toronto, Dept. of Geography)
- External examiner – Steven Formanek (PhD candidate), 2009, (Waterloo University)

Graduate Students

Ph.D.

Kristjan Sigurdson (Strategic Management, University of Toronto, completed in 2021 - Chair)
Amir Sariri (Strategic Management, University of Toronto, completed in 2021 - Chair; now at Purdue University)
Rachel Harris (Economics, York University, completed in 2020)
Hwanyu Zhu (Strategic Management, University of Toronto, completed in 2019)
Prashant Shukla (Strategic Management, Simon Fraser University, 2015)
Elizabeth Lyons (Strategic Management, University of Toronto, completed in 2014 – chair; now at UCSD)
Laurina Zhang (Strategic Management, University of Toronto, completed in 2014 – chair; now at Boston University)
Florenta Teodoridis (Strategic Management, University of Toronto, completed in 2014 – chair; now at USC)
Christian Catalini (Strategic Management, University of Toronto, completed in 2013 – chair)
Keyvan Vakili (Strategic Management, University of Toronto, completed in 2013; now at LBS)
Helen Kim (Technology, Innovation, Entrepreneurship, Strategy, MIT, completed in 2013; now at NBER)
Ahmed Doha (Technology Management, York University, completed in 2012; now at Carleton)
Joel Blit (Economics, University of Toronto, completed in 2010; now at Waterloo)

Alex Oettl (Strategic Management, University of Toronto, completed in 2009 – chair; now at Georgia Tech)
Carlos Rosell (Economics, University of Toronto, completed in 2006; now at Department of Finance, Canada)
Masters
Tin Lee (Economics, Queen’s University, completed in 2002)

Editorial Board

Management Science (2008 – 2023)
Strategic Management Journal (2007 – 2021)
Journal of Urban Economics (2014-2020)

Ad Hoc Referee

American Economic Review; Academy of Management Journal; Canadian Journal of Economics; Econometrica;
Economic Inquiry; Economics of Innovation and New Technology; European Science Foundation/Austrian Science
Fund (grant applications); Industrial and Corporate Change; Industry Canada Working Paper Series; International
Journal of Industrial Organization; Journal of Business Venturing; Journal of Industrial Economics; Journal of
International Business Studies; Managerial and Decision Economics; Ontario Research and Development Challenge
Fund (grant applications); Organization Science; Quarterly Journal of Economics; RAND Journal of Economics;
Research Policy; Review of Economics and Statistics; Sloan Management Review; Social Sciences and Humanities
Research Council (grant applications)

Academic Appointments

University of Toronto

2014-present Full Professor, Rotman School of Management
Geoffrey Taber Chair in Entrepreneurship and Innovation
Courses: Creative Destruction Lab Course (MBA, EMBA, undergraduate)

2014-present Professor, Rotman School of Management
Peter Munk Professor of Entrepreneurship
Courses: Creative Destruction Lab Course (MBA)
Corporate Strategy (MBA)

2008-2014 Associate Professor, Rotman School of Management
Courses: Competition and Strategy in Creative Industries (MBA)
Corporate Strategy (MBA)
Advanced Topics in Strategic Management (Executive MBA)
Technology and Innovation (PhD)

2003-2008 Assistant Professor, Rotman School of Management
Courses: Competition and Strategy in Creative Industries (MBA)
Corporate Strategy (MBA)
Advanced Topics in Strategic Management (Executive MBA)

Stanford University

2015-2016 Visiting Professor

Harvard University

2009-2010 Visiting Scholar

National Bureau of Economic Research

2008-present Research Associate
2006-2008 Faculty Research Fellow

Creative Destruction Lab

2012-present Founder

The Next 36, Next AI, Next Founders, NEXT CANADA

2009-present Co-Founder and Academic Director

Queen's University

2001-2003 Assistant Professor, School of Business
Courses: Survey of the Economics of Innovation (Ph.D.)
 Technology Strategy (MBA)
 Economics of Innovation (Undergraduate)
 Business Strategy (Undergraduate)

University of British Columbia

1998 Lecturer, Faculty of Commerce and Business Administration
Courses: Economics of Vertical Integration and Alliances (MBA)
 Government, Business, and Welfare Economics (Undergraduate)
1996-1997 Teaching Assistant, Faculty of Commerce and Business Administration
Courses: The Formation, Financing, and Management of Hi-Tech Companies (MBA)

Expert Witness

NRCC Multi-Channel Subscription Radio Services Tariff 4 (2004-2010); Valuation of music on satellite radio (XM and Sirius); Retained by Osler, Harkin, & Harcourt LLP to provide expert report and testimony before the Canadian Copyright Board on behalf of three music collectives (Neighbouring Rights Collective of Canada [NRCC], Society of Composers, Authors and Music Publishers of Canada [SOCAN], and CMRRA/SODRAC Inc. [CSI])