

# Matthew F. Mitchell

**Personal Information:** **Address:** Rotman School of Management, University of Toronto, 105 St. George St., Toronto, ON M5S 3E6, Canada  
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**e-mail:** matthew.mitchell@rotman.utoronto.ca  
**Date of Birth:** October 29, 1972  
**Citizenship:** United States (Canadian Permanent Resident)

**Education:** **University of Rochester**  
**Ph.D. in Economics:** Summer 1997  
**M.A. in Economics:** October 1995  
**Pennsylvania State University**  
**B.S. in Economics:** May 1992

**Positions:** Professor, University of Toronto, 2012-Present  
Associate Professor, University of Toronto, 2007-2012.  
Associate Professor, University of Iowa, 2006-2007.  
Larry and Lori Wright Faculty Fellow, 2003-2006  
Assistant Professor, University of Iowa, 2001-2006  
Adjunct Consultant, Federal Reserve Bank of Minneapolis, 1997-2003  
Assistant Professor, University of Minnesota, 1997-2001

**Editorial Service:** Associate Editor, *RAND Journal of Economics* (2013-Present)  
Associate Editor, *Journal of Economic Theory* (2013-Present)  
Associate Editor, *American Economic Review* (2012-2015)  
Associate Editor, *Review of Economic Dynamics* (2008-2014)  
Associate Editor, *International Economic Review* (2007-2012)  
Associate Editor, *Economics Bulletin* (2007-2009)

**Publications:**

- “The Scope and Organization of Production: Firm Dynamics over the Learning Curve”, *The RAND Journal of Economics* (2000), Vol. 31, no. 1.
- “Innovation Variety and Patent Breadth,” (with Hugo Hopenhayn), *The RAND Journal of Economics* (2001), Vol. 32, no. 1, also NBER working paper 7070.
- “Technological Change and the Scale of Production,” *Review of Economic Dynamics* (2002), Vol. 5, no. 2.
- “Comment on: Strategic Innovation and Technology Adoption in an Evolving Industry,” *Journal of Monetary Economics* (2004), Vol. 51, no. 1.
- “Specialization and the Skill Premium in the 20<sup>th</sup> Century,” *International Economic Review* (2005), Vol. 46, no.3.

- “Persistent Distortionary Policies with Asymmetric Information,” (with Andrea Moro), *American Economic Review* (2006), Vol 96, no. 1
- “Network Externalities and Long-Run Market Share” (with Andy Skrzypacz), *Economic Theory* (2006), Vol. 29, no.3.
- “Employment Mobility Laws and Competition,” (with April Franco), *Journal of Corporation Law* (2006), Vol. 31, no.1.
- “Rewarding Sequential Innovators: Patents, Prizes, and Buyouts,” (with Gerard Llobet and Hugo Hopenhayn), *Journal of Political Economy* (2006), Vol 115, no.6.
- “Why do Incumbents Win? Evidence from the U.S. Senate” (with Gautam Gowrisankaran and Andrea Moro), *Review of Economic Dynamics* (2008), Vol. 11, no.1.
- “A Theory of Factor Allocation and Plant Size”(with Thomas Holmes), *RAND Journal of Economics* (2008), Vol. 38, no.2, also NBER working paper 10079.
- “Covenants Not to Compete, Labor Mobility, and Industry Dynamics,” (with April Franco), *Journal of Economics and Management Strategy* (2008) Vol. 17, Issue 3, pp. 581-606.
- “Unemployment Insurance with Hidden Savings,” (with Yuzhe Zhang), *Journal of Economic Theory* (2010) Vol. 145, Issue 6, pp. 2078-2107.
- “Incentives and the Structure of Teams (with April Franco and Galina Vereshchagina), *Journal of Economic Theory* (2011) Vol. 146, issue 6, pp. 2307-2332.
- “Mechanisms for Allocation and Decentralization of Patent Rights” (with Gerard Llobet and Hugo Hopenhayn), in *Advances in Economics and Econometrics: Theory and Applications*, Daron Acemoglu, Manuel Arellano, and Eddie Dekel, ed., (2012) Cambridge University Press.
- “Shared Patent Rights and Technological Progress” (with Yuzhe Zhang) *International Economic Review* (2015) Vol. 56, Issue 1, pp. 95-132.
- “A Theory of Market Pioneers, Dynamic Capabilities and Industry Evolution” (with Andy Skrzypacz), *Management Science* (2015) Vol 61, pp.1598-1614.
- “An Economic Theory of Dynamic Capabilities” (with April Franco and Andy Skrzypacz) *The Oxford Handbook of Dynamic Capabilities* (Edited by David J. Teece and Sohvi Leih),
- “Market Outcomes and Dynamic Patent Buyouts” (with Alberto Galasso and Gabor Virag), *International Journal of Industrial Organization* (2016), Vol. 48, September 2016, Pages 207–243.
- "A Theory of Grand Innovation Prizes" (with Alberto Galasso and Gabor Virag), *Research Policy* Vol. 47, Issue 2, March 2018, Pages 343-362

- Artificial Intelligence, Innovation, and Intellectual Property Policy; Discussion of Cockburn, Henderson, and Stern, forthcoming in *The Economics of Artificial Intelligence: An Agenda*, Ajay K. Agrawal, Joshua Gans, and Avi Goldfarb, editors, University of Chicago Press

**Conference Presentations**     **The Scope and Organization of Production**

- C.V. Starr Conference, New York University, December 1996
- Midwest Macroeconomics Conference, Spring 1997

**Technological Change and the Scale of Production**

- Midwest Mathematical Economics Conference, Spring 1997
- Econometric Society, Winter Meetings 1998
- Empirical Growth and Vintage Capital, Carlos III, Madrid, Spain, 1998
- Workshop in Dynamic General Equilibrium, Vigo, Spain, 1998
- Society for Economic Dynamics, Summer 1999
- Midwest Macroeconomic Conference, Summer 2000

**Innovation Variety and Patent Breadth**

- Econometric Society Winter Meetings 1999
- NBER Conference on the Patent System and Innovation, January 1999

**Specialization in the 20<sup>th</sup> Century**

- Society for Economic Dynamics, Summer 2001

**Rewarding Sequential Innovators**

- Econometric Society World Congress, Summer 2000
- Texas-Northwestern-Duke Conference on IO Theory, Spring 2002

**Network Externalities and Long-Run Market Shares**

- Society for Economic Dynamics, Summer 2002

**A Theory of Factor Allocation and Plant Size**

- Minnesota Workshop in Macroeconomic Theory, 2003

**Why do Incumbents Win? Evidence from the U.S. Senate**

- Society for Economic Dynamics, Summer 2003

**Dynamic Oligopoly with Network Effects**

- Society for Economic Dynamics, Summer 2004

**Covenants Not to Compete**

- Midwest Macroeconomics Meetings, Summer 2005

### **Market Structure and the Direction of Technological Change (A Theory of Market Pioneers)**

- International Industrial Organization Conference, Spring 2006
- Society for Economic Dynamics, Summer 2006
- UBC Summer IO Conference, Summer 2008
- DRUID 2012

### **Optimal Unemployment Insurance with Hidden Savings**

- Minnesota Workshop in Macroeconomic Theory, 2007

### **Repeated Tournaments:**

- Society for Economic Dynamics, Summer 2009

### **Optimal Patent Policy with Recurrent Innovators**

- Society for Economic Dynamics, Summer 2010
- American Economic Review Winter Meetings 2011
- NBER Conference on Patents, Standards, and Innovation, January 2012

### **Shared Rights and Technological Progress**

- TILEC Patent Conference, Tilberg University
- DRUID 2013

### **Mechanism Design for Designs**

- IIOC 2015
- 2015 CIRANO-CIRPÉE Conference on Industrial Organization at HEC Montreal
- Mannheim Workshop in Innovation Economics

### **Market Outcomes and Dynamic Patent Buyouts**

- DRUID 2014
- IIOC 2015
- XI Simposio Nacional de Microeconomia, Bogota

### **Free Ad(vice)**

- EARIE 2016 (Invited Session)
- Auctions, Competition, Regulation and Public Policy conference, May 2017 Lancaster University
- 7th Annual International Conference on Industrial Economics, June 2017, Zhejiang University
- Becker Friedman Theory Conference III, Dynamics and Information, July 2017, University of Chicago
- Tenth Annual Federal Trade Commission Microeconomics Conference, November 2017, Federal Trade Commission

**Other:**

- Midwest Mathematical Economics Conference, Fall 1996
- Discussant, American Economics Association Winter Meetings 2003
- Discussant, Carnegie-Rochester Conference, April 2003
- Discussant, Econometric Society Winter Meetings, 2006
- Discussant, Philadelphia Workshop on Monetary and Macroeconomics, March 2007
- Discussant, Economics of Entrepreneurship and Innovation, Queens University, 2009
- Discussant, Canadian Macro Study Group, November 2010
- Discussant, American Economic Review Winter Meetings 2011
- Discussant, Roundtable on Engineering Entrepreneurship Research 2011
- Discussant, Economics of Entrepreneurship and Innovation, Queens University, 2011
- Discussant, NBER Productivity, Innovation, and Entrepreneurship, Spring Program 2012
- Discussant, Roundtable on Engineering Entrepreneurship Research 2013
- Discussant, IIOC, April 2015
- Discussant, 40<sup>th</sup> Fall Conference, Federal Reserve Bank of St. Louis , October 2015
- Discussant, TILEC (Tilberg) conference on Competition, Standardization, and Innovation, December 2015, Amsterdam
- Discussant, EARIE 2017
- Discussant, NBER AI Conference September 2017
- Discussant, TILEC Conference on Patents and Standards, December 2017

**Other Presentations**

- Arizona State University
- Carnegie-Mellon University
- Duke University
- Federal Reserve Bank of Cleveland
- Federal Reserve Bank of Kansas City
- Federal Reserve Bank of Minneapolis
- Federal Reserve Board of Governors
- Harvard University
- Indiana University
- Iowa State University
- ITAM
- McGill
- New York University
- Northern Illinois University
- Northwestern University (Department of Economics)

- Northwestern University (Kellogg)
- Ohio State University
- Penn State University
- Purdue University
- Queens University
- Rice University
- Stanford University
- UCLA
- University of Arizona
- University of British Columbia
- University of Georgia
- University of Houston
- University of Illinois
- University of Iowa
- University of Manitoba
- University of Minnesota
- University of Notre Dame
- University of Pennsylvania
- University of Rochester (Department of Economics)
- University of Rochester (Simon School of Business)
- University of Toronto
- University of Western Ontario
- Vanderbilt University
- Washington University in St. Louis

**Referee:**

- *AEJ Microeconomics*
- *AEJ Macroeconomics*
- *American Economic Review*
- *Berkeley Electronic Press*
- *Canadian Journal of Economics*
- *Econometrica*
- *Economic Letters*
- *Economic Theory*
- *Economics Bulletin*
- *Economica*
- *European Economic Review*
- *Games and Economic Behavior*
- *International Economic Review*
- *International Journal of Industrial Organization*
- *Journal of Economic Behavior and Organization*
- *Journal of Economic Growth*
- *Journal of Economic Theory*
- *Journal of Economics and Management Strategy*
- *Journal of the European Economics Association*

- *Journal of Finance*
- *Journal of Industrial Economics*
- *Journal of Law and Economics*
- *Journal of Law, Economics, and Organizations*
- *Journal of Monetary Economics*
- *Journal of Political Economy*
- *Journal of Public Economics*
- *Journal of Urban Economics*
- *Management Science*
- *National Science Foundation*
- *RAND Journal of Economics*
- *Review of Economic Dynamics*
- *Review of Economic Studies*
- *Scandinavian Journal of Economics*
- *SSHRC*

Excellence in Refereeing Award, American Economic Review, 2012

**Grants and Awards:**

**University of Toronto:**

Connaught Fund, 2007-2008

Professor of the Year Award, AM Program, 2007-2008

Excellence in Teaching Award, 2007-2008, 2008-2009, 2009-2010, 2010-2011

**SSHRC:**

Standard Award, 2009

**University of Iowa:**

Old Gold Summer Fellowship, 2002, 2003

Dean's Teaching Award, 2005

**NSF:**

NSF Award for Beginning Academics, 1998-1999

**University of Minnesota:**

Grant-in-Aid, 1997-1998, 2000-2001

International Travel, 1998

CLA Research Grant, 1997, 1998

Summer Research Fellowship, 1998