

Timothy S. Simcoe

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| CONTACT | Boston University Questrom School of Business 595 Commonwealth Avenue Boston, MA 02215 | (510) 685-2020 tsimcoe@bu.edu http://people.bu.edu/tsimcoe |
| ACADEMIC EMPLOYMENT | Boston University, Questrom School of Business <ul style="list-style-type: none">• Professor of Strategy & Innovation, 2022-present.• Associate Professor of Strategy & Innovation, 2013-2022.• Assistant Professor of Strategy & Innovation, 2009-2013. University of Toronto, Joseph L. Rotman School of Management <ul style="list-style-type: none">• Assistant Professor of Strategic Management, 2004-2009. | |
| APPOINTMENTS | President's Council of Economic Advisers <ul style="list-style-type: none">• Senior Economist, 2014-2015. National Bureau of Economic Research <ul style="list-style-type: none">• Research Associate, Productivity Program, 2016-present.• Faculty Research Fellow, Productivity Program, 2009-2016. BU Technology & Policy Research Initiative <ul style="list-style-type: none">• Faculty Director, 2020-present. | |
| EDUCATION | University of California at Berkeley <ul style="list-style-type: none">• Ph.D., Business Administration, 2004• M.A., Economics, 2003 Harvard University <ul style="list-style-type: none">• A.B., Applied Math & Economics, 1996 | |
| PUBLICATIONS | Refereed Articles <p>C. Righi and T. Simcoe. Patenting Inventions or Inventing Patents? Continuation Practice at the USPTO. <i>RAND Journal of Economics</i>, 54(3):416–442 (Fall 2023).</p> <p>R. Bekkers, C. Catalini, A. Martinelli, C. Righi and T. Simcoe. Disclosure Rules and Declared Essential Patents. <i>Research Policy</i>, 52(1):104618, January 2023.</p> <p>E. Basker and T. Simcoe. Upstream, Downstream: Diffusion and Impact of the Universal Product Code. <i>Journal of Political Economy</i>, 129(4):1252–1286, April 2021.</p> <p>A. King, B. Goldfarb and T. Simcoe. Learning from Testimony on Quantitative Research in Management. <i>Academy of Management Review</i>, 46(3):465–488, July 2021.</p> <p>X. Li and T. Simcoe. Competing or Complementary Labels? Estimating Spillovers in Chinese Green Building Certification. <i>Strategic Management Journal</i>, 42(13): 2451–2476, December 2021.</p> <p>A. Agrawal, C. Rosell and T. Simcoe. Tax Credits and Small Firm R&D Spending. <i>American Economic Journal: Economic Policy</i>, 12(1): 1–21. Lead Article, May 2020.</p> <p>M. Rysman, T. Simcoe and Y. Wang. Differentiation Strategies in the Adoption of Environmental Standards: LEED from 2000 to 2014. <i>Management Science</i>, 66(9): 4173–4192, September 2020.</p> | |

- T. Simcoe and J. Watson. Forking, Fragmentation and Splintering. *Strategy Science*, 4(4):251–342, December 2019.
- F. Mezzanotti and T. Simcoe. Patent Policy and American Innovation After eBay: An Empirical Examination. *Research Policy*, 48(5): 1271–1281, June 2019.
- C. Righi and T. Simcoe. Patent Examiner Specialization. *Research Policy*, 48(1):137–148, February 2019.
- M. Lemley and T. Simcoe. How Essential are Standard Essential Patents? *Cornell Law Review*, 104(3): 607–642, March 2019 .
- M. Catillon, P. Gertler and T. Simcoe. Who Benefits Most in Disease Management Programs?: Improving Target Efficiency. *Health Economics*, 28(2): 189–203, February 2019.
- L. Freedman, I. Cockburn and T. Simcoe. The Economics of Reproducibility in Preclinical Research. *PLoS Biology*, 13(6): e1002165, June 2015.
- T. Simcoe and M. Toffel. Government Green Procurement Spillovers: Evidence from Municipal Building Policies in California. *Journal of Environmental Economics and Management*, 68(3):411–434. Lead article, November 2014.
- E. Rawley and T. Simcoe. Information, Knowledge and Asset Ownership in Taxicab Fleets. *Organization Science*, 24(3): 831–845, May-June 2013.
- J. Farrell and T. Simcoe. Choosing the Rules for Consensus Standardization. *The RAND Journal of Economics*, 43(2): 235–252, Summer 2012.
- T. Simcoe. Standard Setting Committees: Consensus Governance for Shared Technology Platforms. *American Economic Review*, 102(1): 305–336, February 2012.
- M. Rysman and T. Simcoe. A NAASTy Alternative to RAND Pricing Commitments. *Telecommunications Policy*, 35(11): 1010–1017, December 2011.
- A. Galasso and T. Simcoe. CEO Overconfidence and Innovation. *Management Science*, 57(8): 1469–1484, August 2011.
- T. Simcoe and D. Waguespack. Status, Quality and Attention: What’s in a (Missing) Name? *Management Science*, 57(2): 274–290, February 2011.
- A. Mehta, M. Rysman and T. Simcoe. Identifying the Age Profile of Patent Citations: New Estimates of Knowledge Diffusion. *Journal of Applied Econometrics*, 25 (7): 1073–1222, November/December 2010.
- E. Rawley and T. Simcoe. Diversification, Vertical Contracting and Diseconomies of Scope: Evidence from the Taxicab Industry. *Management Science*, 56(9): 1534–1550, September 2010.
- T. Simcoe, S. J. Graham and M. Feldman. Competing on Standards? Entrepreneurship, Intellectual Property and Platform Technologies. *Journal of Economics and Management Strategy*, 18(3): 775–816, Fall 2009.
- M. Rysman and T. Simcoe. Patents and the Performance of Voluntary Standard Setting Organizations. *Management Science*, 54(11): 1920–1934, November 2008.
- D. Mowery and T. Simcoe. Is the Internet a US Invention? An Economic and Technological History of Computer Networking. *Research Policy*, 31(8-9): 1369–1387, 2002.
- J. Macher, D. Mowery and T. Simcoe. eBusiness and the Semiconductor Industry Value Chain: Implications for Vertical Specialization and Integrated Semiconductor

Manufacturers. *Industry and Innovation*, 9:155–181, 2002.

Working Papers

B. Ganglmair, E. Tarantino and T. Simcoe. Learning When to Quit: An Empirical Model of Experimentation in Standards Development. R&R at *AEJ: Microeconomics*.

D-S. Jeon, Y. Lefouili, Y. Li and T. Simcoe. Ecosystems and Complementary Platforms.

R. A. Gibbs, T. Simcoe and D. Waguespack. Does Earnings Management Matter for Strategy Research?

Mezzanotti, F. and T. Simcoe. Research and/or Development: Financial Frictions and Innovation Investment.

Mezzanotti, F. and T. Simcoe. Innovation and Appropriability: Revisiting the Role of Intellectual Property

J. Baron, B. Ganglmair, N. Persico, T. Simcoe and E. Tarantino. Representation is Not Sufficient for Selecting Gender Diversity.

Other Publications

K. Blind, M. Kenney, A. Leiponen and T. Simcoe. Standards and innovation: A review and introduction to the special issue. *Research Policy*, 52(8), October 2023.

J. Contreras, T. Simcoe et al. Preserving the Royalty-Free Standards Ecosystem. *European Intellectual Property Review*, 45(7): 371-375, June 2023.

E. Hovenkamp and T. Simcoe. Tying and Exclusion in FRAND Licensing: Evaluating Qualcomm. *The Antitrust Source*, February 2020.

A. Sesia, T. Simcoe and M. Toffel. Platform LEEDership at the U.S. Green Building Council. Harvard Business School Case 619-027, May 2018.

B. Goldfarb, A. King and T. Simcoe. Heritability of Trust and Distrust Remains Unknown. Letter to *Proceedings of the National Academy of Sciences*, January 2018.

S. Graham, P. Menell, C. Shapiro and T. Simcoe. Final Report of the Berkeley Center for Law & Technology Patent Damages Workshop. *Texas Intellectual Property Law Journal*, 25 (1): 115–142, 2017.

A. Shampine and T. Simcoe. Economics of Patents and Standardization: Network Effects, Hold-up, Hold-out, Stacking. *The Cambridge Handbook of Technical Standardization Law*, Vol. 1. Cambridge University Press, 2017.

T. Simcoe and C. Righi. Standards, Patents and Innovation. *Handbook of Standards and Innovation*. Edward Elgar, 2017.

T. Simcoe. How to Make and Keep a Patent Pledge. Pages 285–290 in *Patent Pledges: Global Perspectives on Patent Law's Private Ordering Frontier*. Edward Elgar, 2017.

T. Simcoe. Modularity and the Evolution of the Internet. Chapter 1 in *Economic Analysis of the Digital Economy*. University of Chicago Press, 2015.

A. Agrawal, S.J. Graham, M. Rysman and T. Simcoe. Industry Standards, Intellectual Property and Innovation: Introduction to the Special Issue. *International Journal of Industrial Organization*, 36:1-3 (September 2014).

T. Simcoe. Governing the Anti-commons: Institutional Design for Standard Setting Organizations. In *Innovation Policy and the Economy*, 14:99–128, 2014.

T. Simcoe. Private and Public Approaches to Patent Holdup in Industry Standard-Setting. *Antitrust Bulletin*, 57(1): 59–88, Spring 2012.

J. Farrell and T. Simcoe. Four Paths to Compatibility. pages 34–58 in the *Oxford Handbook of the Digital Economy*. Oxford University Press, 2012.

T. Simcoe. Delay and *de jure* Standardization: Exploring the Slowdown in Internet Standards Development. Pages 260–295 in *Standards and Public Policy*. Cambridge University Press, 2007.

T. Simcoe. Explaining the Increase in Intellectual Property Disclosure. Pages 260–295 in *Standards Edge: The Golden Mean*. Bolin Group, 2007.

T. Simcoe. Open standards and Intellectual Property Rights. Pages 161–183 in *Open Innovation: Researching a New Paradigm*. Oxford University Press, 2006.

D. Mowery and T. Simcoe. Public and Private Participation in the Development and Governance of the Internet. Pages 259–294 in *The Limits of Market Organization*. Russell Sage, 2005.

D. Mowery and T. Simcoe. The Origins and Evolution of the Internet. Pages 229–265 in *Technological Innovation and Economic Performance*. Princeton University Press, 2002.

M. Rysman and T. Simcoe. Measuring the Performance of Standard Setting Organizations. Pages 81–94 in *International Standardization as a Strategic Tool: Commended Papers from the IEC Centenary Challenge 2006*. International Electrotechnical Commission, 2006.

TEACHING

Boston University Questrom School of Business

Technology Strategy (MBA and Executive MBA)
 Strategy and Innovation (Undergraduate)
 Competition, Innovation and Strategy (MBA)
 Data Analysis (Executive MBA)
 Causal Inference in Management Research (PhD)

University of Toronto, Rotman School of Management

Fundamentals of Competitive Strategy (MBA)
 Entrepreneurship & Small Business Management (Undergraduate)
 Models & Methods in Strategic Management (PhD)

University of California, Berkeley

Economic Analysis for Business Decisions, Teaching Assistant (MBA)

CONSULTING

Expert Reports, Depositions and Testimony

Apple (client) v. Qualcomm. Southern District of California. Case No. 3:17-CV-0108.
 Microsoft (client) v. Motorola. Western District of Washington. Case No. C10-1823-JLR.
 HTC Corporation (client) v. Ericsson. Eastern District of Texas. Case No. 6:18-CV-00243-JRG.
 ViiV Healthcare, (client) v. Gilead Sciences. District of Delaware. Case No.

1:18-CV-0224-VAC-CJB.

Fujitsu v. Tellabs (client). Northern District of Illinois, Eastern Division. Civil Action No. 09 CV 04530.

Apple (client) v. Motorola. Western District of Wisconsin. Case No. 11-CV-178.

In Re: Qualcomm Securities Class Action Litigation. Southern District of California. Case No. 3:17-CV-00121-JO-MSB

Lenovo (client) and Motorola Mobility v. InterDigital Technology Corporation et al. District of Delaware. Case No. 19-1590-LPS

3G Licensing, Koninklijke KPN and Orange v. LG Electronics (client). District of Delaware. Case No. 17-cv-85-LPS.

Global Communications (client) v. Direct TV, et al. Northern District of Florida. Case No. 4:12-CV-00651-RH-CAS.

Zenith Electronics, Panasonic, U.S. Philips and The Trustees of Columbia University v. Craig Electronics (client). Southern District of Florida. Case No. 13-CV-80567.

Other Consulting

Continental Automotive Systems (client) v. Avanci, LLC. Northern District of California. Case No. 19-cv-2520.

Wireless standards developer (client). Review of bylaws and procedures.

SERVICE

Editorial and Advisory Positions

American Economic Journal: Economic Policy, Board of Editors, 2021.

Management Science, Associate Editor in Innovation and Entrepreneurship, 2014-present.

Journal of Industrial Economics, Associate Editor, 2013-present.

Management Science, Associate Editor in Business Strategy, 2012-present.

National Academy of Sciences, Member of Committee on Intellectual Property Management Practices of Standard Setting Organizations, 2012-2013.

National Academy of Sciences, Member of Committee on the Review of the Small Business Innovation Research and Small Business Technology Transfer Programs at the National Science Foundation, 2019-2021.

Steering Committee, B.U. Technology & Policy Research Initiative, 2017-present.

Co-founder, Sloan Management Review Strategy Forum, 2018-present.

Scientific Advisory Board, Global Biological Standards Institute, 2015-2018.

Doctoral Advising & Committees

Director of Questrom School of Business PhD Program (2015-2017, 2018-2022.)

Xia Li, London Business School (Primary Advisor, 2023).

Jeremy Watson, University of Minnesota (Primary Advisor, 2018).

Cesare Righi, Pompeu Fabra University (Primary Advisor, 2017).

Jane Wu, UCLA (Committee Member, 2022).

Sophie Wang, UIBE Beijing (Committee Member, 2021).

Christian Catalini, MIT Sloan School (Committee Member, 2013)

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| | <p>Paul Seaborn, University of Denver (Primary Advisor, 2011)</p> <p>Jay Horwitz, University of Bocconi (Committee Member, 2011)</p> <p>Elena Kulchina, Duke University (Committee Member, 2012)</p> <p>Justus Baron, Ecole des Mines / ParisTech (Committee Member, 2012)</p> |
| AWARDS | <p>Innovators Network Foundation Intellectual Property Fellow, 2021-2023</p> <p>Broderick Award for Excellence in Research, 2022.</p> <p>Dean's Research Scholar, 2015-2018, 2020-2022</p> <p>Outstanding Contribution to Questrom Doctoral Programs, 2018</p> <p>Questrom Full-time MBA Favorite Elective Professor, 2016</p> <p>BU Questrom Doctoral Student's Association, Distinguished Mentor Award, 2016</p> <p>John R. Russell Excellence in Teaching Award, Executive MBA, 2013</p> <p>Management Science Meritorious Service Award (Reviewer), 2010</p> <p>Rotman Excellence in Teaching Award, Commerce Program, 2008</p> <p>Glueck Best Paper Award, Academy of Management BPS Division, 2008</p> <p>Finalist, IEC Centenary Challenge, 2006</p> <p>Finalist, Organization Science Dissertation Proposal Competition, 2003</p> |
| GRANTS | <p>Intel Corporation Research Gift, 2017-2020</p> <p>Bell Canada University Labs, 2007-2008</p> <p>Connaught New Faculty Start-Up Award, 2004-2008</p> <p>Berkeley Center for I.T. Research in the Interest of Society, 2003-2004</p> <p>Intel Corporation Robert M. Noyce Memorial Fellowship, 2001-2002</p> <p>Haas School of Business Ph.D. Fellowship, 1999-2000</p> <p>Harvard College Fellowship, 1992-1995</p> |
| PRIOR WORK EXPERIENCE | <p>Ernst & Young LLP</p> <p>Senior Consultant, Center for Business Innovation, Boston MA, 1998-1999</p> <p>Consultant, E&Y Economics Consulting, Washington DC, 1996-1998</p> |
| OTHER | <p>Professional Societies</p> <p>American Economics Association, Academy of Management, Strategy Research Forum, International Society for New Institutional Economics</p> <p>Computer Code</p> <p>STATA xtpqml: Robust inference in fixed-effects poisson regression</p> <p>STATA mtad: Multinomial test of agglomeration and dispersion</p> |
| PERSONAL | <p>Married: Stephanie Tobias Gates (August 2002)</p> <p>Children: Katherine, Anne and Theodore</p> <p>Interests: Michigan Sailing, North Haven Golf Club, Harvard Alumni Jazz Band</p> |