

March 1, 2024

**Ellen R. McGrattan**

**Addresses:** 4636 Cedarwood Road  
St. Louis Park, MN 55416  
952-928-3728

Department of Economics  
University of Minnesota  
4-161 Hanson Hall  
Minneapolis, MN 55455  
612-625-6714  
erm@umn.edu

**Date of Birth:** October 4, 1962

**Citizenship:** United States

**Education:**

Stanford University, Ph.D. (Economics), 9/84 – 9/89

Thesis: *Computation and Application of Equilibrium Models with Distortionary Taxes*

Boston College, B.S. (Mathematics and Economics), 9/80 – 5/84

Honors: Summa Cum Laude, Phi Beta Kappa

University of Minnesota, non-degree, (Scientific Computation), 9/92 – 3/93

**Work Experience:**

Professor, Department of Economics, University of Minnesota, 1/14–present

Consultant, Federal Reserve Bank of Minneapolis, 1/14–present

Visiting Fellow, Hoover Institution, Stanford University, 2018–present

Director, Heller-Hurwicz Economics Institute, University of Minnesota, 7/16–6/22

Adjunct Professor, University of Minnesota, 4/93–1/14

Monetary Adviser, Federal Reserve Bank of Minneapolis, 11/03–1/14

Senior Economist, Federal Reserve Bank of Minneapolis, 7/95–11/03

Director, Institute for Empirical Macroeconomics, 11/94–9/97, 11/00–9/02

Economist, Federal Reserve Bank of Minneapolis, 7/92–6/95

Assistant Professor, Duke University, 9/89–8/93

**Teaching Experience:**

Macroeconomic theory, undergraduate-level and introductory graduate-level

Duke University, 1989-1992

University of Minnesota, 2014–2015

Macroeconomic theory, graduate-level topics

Duke University, 1989-1992

University of Minnesota, 1995, 1999, 2000, 2011, 2013–present  
Stockholm School of Economics short course, May 2000  
University of California at Los Angeles, short course, June 2001  
IMF, short course, February 2006  
American Economic Association Continuing Education, January 2015  
European University Institute short course, May 2015

Development, graduate-level topics

University of Minnesota, 1995, 1997–1998, 2000–2003

Financial economics, graduate-level topics

University of Minnesota, 2003–2010

Computational methods, graduate-level topics

European University Institute short course, September 1996

University of Pennsylvania short course, February 1997

Arizona State University, Spring 2006

Universidade do Minho short course, July 2007

University of Minnesota, 2015–present

### **Professional Affiliations:**

Program Chair, EFG Summer Meeting, NBER, 2024

Member, HHEI Board, University of Minnesota, 2023–present

Associate Editor, *American Economic Review*, 2018–present

President, Society for Economic Dynamics, 2018–present

Member, Minnesota Population Center Advisory Board, 2016–present

Research Associate, National Bureau of Economic Research, EFG & AP, 2014–present

Member, BEA Advisory Committee, 2009–2024

Program Chair, North American Winter Meetings, Econometric Society, 2023

Program Chair, Society for Economic Dynamics Meeting, Minneapolis, 2021

President, Midwest Economics Association, 2017–2018

Program Co-Chair, NBER EFG Winter Meetings, 2016

Treasurer, Society for Economic Dynamics, 1992–2015

Research Economist, National Bureau of Economic Research, AP program, 2007–2014

Research Economist, National Bureau of Economic Research, EFG program, 1992–2014

Member, Program Committee, American Economic Association, Winter 2014

Fellow, Econometric Society, elected 2012

Member, Program Committee, Econometric Society Meetings, Winter 2013

Editor, *Review of Economic Dynamics*, 2002–2012

Fellow, Society for the Advancement of Economic Theory, elected 2011  
Member, AEA Ad Hoc Committee on Mentoring Workshops, 2007  
Member, Program Committee, Econometric Society Meetings, Winter 2007  
Member, AEA Nominating Committee, 2006–2007  
Program Co-Chair, Econometric Society Meetings, Summer 2006  
Member, Program Committee, Econometric Society World Congress, Summer 2005  
Program Co-Chair, Minnesota Workshop in Macroeconomic Theory, Summer 2003  
Member, AEA Executive Committee, 2002–2004  
Member, AEA Committee on Economic Statistics, 2002–2004  
Program Co-Chair, 2nd Annual CV Starr/RED Meeting, New York, 2002  
Advisory Board, *Macroeconomic Dynamics*, 2002  
Associate Editor, *Review of Economic Dynamics*, 1999–2002  
Book Review Editor, *Macroeconomic Dynamics*, 1996–2002  
Program Chair, Society for Economic Dynamics Meeting, Stockholm Sweden, 2001

### **Fellowships and Grants:**

Joint Statistical Research Program, 2024  
Title: “Dynamic Tax Evasion”  
National Science Foundation, Grant# SES-2214248, 8/22 – 7/25  
Title: “Using Administrative Data to Study US Private Business Investment”  
National Science Foundation, Grant# SES-1657891, 7/17 – 6/20  
Title: “The Impact of Intangible Investments on the Macroeconomy”  
Joint Statistical Research Program, 2020  
Title: “Tax Compliance of Intangible-Intensive Businesses”  
National Science Foundation, Grant# SES-1657891, 7/17 – 6/20  
Title: “The Impact of Intangible Investments on the Macroeconomy”  
National Science Foundation, Grant# SES-0422539, 1/04 – 12/06  
(Edward Prescott, P.I.)  
Title: “Studies in Aggregate Analyses”  
National Science Foundation, Grant# SES-0136885, 1/02 – 12/04  
(Patrick Kehoe, P.I.)  
Title: “Asset Market Frictions in International Business Cycle Models”  
Minnesota Supercomputer Institute, 7/93 – 6/95  
National Science Foundation, Grant # SES-9122233, 5/92 – 5/94  
(with Ramon Marimon and Thomas Sargent)  
Title: “Adaptive Learning in Games and Dynamic Economies”  
National Science Foundation, Grant # SES-9108758, 7/91 – 6/93

Title: “Distributional Effects of Distortionary Taxation”  
Duke University Research Council Grant, 7/90 – 6/93  
North Carolina Supercomputing Center, 4/90 – 6/93  
Stanford Graduate Fellowship, 1984 – 1985

### **Invited Lectures:**

Econometric Society, Griliches Lectures in Applied Economics, 2024  
Society for Economic Measurement, Plenary Lecture, 2022  
California Macro Conference, Keynote Lecture, October 2019  
Latin American Econometric Society Meeting, Keynote Lecture, November 2018  
Midwest Macroeconomics Meetings, Plenary Lecture, November 2018  
North American Econometric Society Summer Meeting, Cowles Lecture, June 2018  
Midwest Economic Association, Presidential Lecture, March 2018  
Annual Workshop of the Australasian Macro Society, Keynote Lecture, August 2016  
Society for Computational Economics, Plenary Lecture, July 2010  
Society for Economic Dynamics, Plenary Lecture, July 2010  
Joe Tiao Lecture, Kansas State University, April 2010

### **Publications:**

“Taxes, Regulations, and the Value of US Corporations: A Reassessment,” *Review of Economic Dynamics*, 50:131–145, October 2023.

“Comment on Hall and Sargent’s, ‘Financing Big US Federal Expenditure Surges: Covid-19 and Earlier US Wars’,” in *How Monetary Policy Got Behind the Curve—and How to Get Back*, eds. M.D. Bordo, J.H. Cochrane, and J.B. Taylor, Hoover Institution Press, 2023.

“Sweat Equity in U.S. Private Business,” (with A. Bhandari), *Quarterly Journal of Economics*, 136(2): 727–781, May 2021.

“What Do Survey Data Tell Us about US Businesses?” (with A. Bhandari, S. Birinci, and K. See), *American Economic Review: Insights*, 2(4): 443–458, December 2020.

“Intangible Capital and Measured Productivity,” *Review of Economic Dynamics*, 37: S147–166, August 2020.

“The Impact of Brexit on Foreign Investment and Production,” (with A. Waddle), *American Economic Journal: Macroeconomics*, 12(1): 76–103, January 2020.

“An Aggregate Model for Policy Analysis with Demographic Change,” (with E. Prescott), *Journal of the Economics of Ageing*, 11(1): 52–61, May 2018.

“On Financing Retirement with an Aging Population,” (with E. C. Prescott), *Quantitative Economics*, 8(1): 75–115, 2017.

- “Accounting for Business Cycles,” (with P. Brinca, V. V. Chari, and P. Kehoe), in *Handbook of Macroeconomics*, eds. J.B. Taylor and H. Uhlig, North-Holland, 2016.
- “China’s Foreign Investment,” Federal Reserve Bank of Minneapolis, *Economic Policy Papers*, 16(9): 1–6, July 2016.
- “Monetary Policy and Employment,” Federal Reserve Bank of Minneapolis, *Economic Policy Papers*, 15(7): 1–6, September 2015.
- “Quid Pro Quo: Technology Capital Transfers for Market Access in China,” (with T. J. Holmes and E. C. Prescott), *Review of Economic Studies*, 82(3): 1154–1193, July 2015.
- “Taxing Wealth,” Federal Reserve Bank of Minneapolis, *Economic Policy Papers*, 15(4): 1–7, March 2015.
- “Why Are Married Women Working So Much?” (with L. Jones and R. Manuelli), *Journal of Demographic Economics*, 81(1): 75–114, March 2015.
- “The Costs of Quid Pro Quo,” (with T. J. Holmes and E. C. Prescott), Federal Reserve Bank of Minneapolis, *Economic Policy Papers*, 15(1): 1–6, January 2015.
- “A Reassessment of Real Business Cycle Theory,” (with E.C. Prescott), *American Economic Review*, Papers and Proceedings, 104(5): 177–187, May 2014.
- “Transition to FDI Openness: Reconciling Theory and Evidence,” *Review of Economic Dynamics*, 15(4): 437–458, October 2012.
- “The Great Recession and Delayed Economic Recovery: A Labor Productivity Puzzle?” (with E. C. Prescott), in *Government Policies and the Delayed Economic Recovery*, eds. L.E. Ohanian, J.B. Taylor, and I.J. Wright, Hoover Institution Press, 2012.
- “Capital Taxation During the U.S. Great Depression,” *Quarterly Journal of Economics*, 127(3): 1515–1550, August 2012.
- “Unmeasured Investment and the Puzzling U.S. Boom in the 1990s” (with E. C. Prescott), *American Economic Journal: Macroeconomics*, 2(4): 88–123, October 2010.
- “Technology Capital and the U.S. Current Account” (with E. C. Prescott), *American Economic Review*, 100(4): 1493–1522, September 2010.
- “Measurement with Minimal Theory,” *Federal Reserve Bank of Minneapolis Quarterly Review*, 33(1): 2–13, July 2010.
- “Comment on Michael Christian’s ‘Human Capital Accounting in the United States, 1994–2006’,” *Survey of Current Business*, 90(6): 37–41, June 2010.
- “Does Neoclassical Theory Account for the Effects of Big Fiscal Shocks? Evidence From World War II” (with L. Ohanian), *International Economic Review*, 51(2): 509–532, May 2010.

- “Openness, Technology Capital, and Development” (with E. C. Prescott), *Journal of Economic Theory*, 144(6): 2454–2476, November 2009.
- “New Keynesian Models: Not Yet Useful for Policy Analysis” (with V. V. Chari and P. Kehoe), *American Economic Journal: Macroeconomics*, 1(1): 242–266, January 2009.
- “Are Structural VARs with Long-Run Restrictions Useful in Developing Business Cycle Theory?” (with V. V. Chari and P. Kehoe), *Journal of Monetary Economics*, 55(8): 1337–1352, November 2008.
- “Real Business Cycles,” in *The New Palgrave Dictionary of Economics*, Second Edition, eds. S.N. Durlauf and L.E. Blume, Palgrave Macmillan, 2008.
- “Changes in the Distribution of Family Hours Worked Since 1950,” (with R. Rogerson), in P. Rupert, ed., *Frontiers of Family Economics*, Emerald Group Publishing, 2008.
- “Business Cycle Accounting,” (with V.V. Chari and P. Kehoe), *Econometrica*, 75(3): 781–836, May 2007.
- “Productivity and the Post-1990 U.S. Economy” (with E. C. Prescott), *Federal Reserve Bank of St. Louis Review*, 87(4): 537–549, July/August 2005.
- “Taxes, Regulations, and the Value of U.S. and U.K. Corporations,” (with E. C. Prescott), *Review of Economic Studies*, 72(3): 767–796, July 2005.
- “Sudden Stops and Output Drops,” (with V. V. Chari and P. Kehoe), *American Economic Review*, Papers and Proceedings, 95(2): 381–387, May 2005.
- “Comment on Mendoza and Tesar’s ‘Why Hasn’t Tax Competition Triggered a Race to the Bottom? Some Quantitative Lessons from the EU’,” *Journal of Monetary Economics*, 52(1): 205–211, January 2005.
- “Comment on Gali and Rabanal’s ‘Technology Shocks and Aggregate Fluctuations: How Well Does the RBC Model Fit Postwar U.S. Data’,” *NBER Macroeconomics Annual 2004*, MIT Press, 19: 289–308, 2005.
- “The 1929 Stock Market: Irving Fisher Was Right,” (with E. C. Prescott), *International Economic Review*, 45(4): 991–1009, November 2004.
- “Changes in Hours Worked, 1950–2000,” (with R. Rogerson), *Federal Reserve Bank of Minneapolis Quarterly Review*, 28(1): 14–33, July 2004.
- “Average Debt and Equity Returns: Puzzling?” (with E. C. Prescott), *American Economic Review*, Papers and Proceedings, 93(2): 392–397, May 2003.
- “Testing for Stock Market Overvaluation/Undervaluation,” (with E. C. Prescott), in *Asset Price Bubbles: The Implications for Monetary, Regulatory, and International Policies*, eds. W. Hunter, G. Kaufman, and M. Pomerleano, MIT Press, 2003.

- “The Optimum Quantity of Debt: Technical Appendix,” (with S. R. Aiyagari), *Annals of Economics and Finance*, 4(1): 193–217, 2003.
- “Can Sticky Price Models Generate Volatile and Persistent Real Exchange Rates?” (with V. V. Chari and P. Kehoe), *Review of Economic Studies*, 69(3): 533–563, July 2002.
- “Accounting for the Great Depression,” (with V. V. Chari and P. Kehoe), *American Economic Review*, Papers and Proceedings, 92(2): 22–27, May 2002. (Reprinted in: *Federal Reserve Bank of Minneapolis Quarterly Review*, Spring 2003.)
- “Is the Stock Market Overvalued?” (with E. C. Prescott), *Federal Reserve Bank of Minneapolis Quarterly Review*, 24(4): 20–40, Fall 2000.
- “The Declining U.S. Equity Premium” (with R. Jagannathan and A. Scherbina), *Federal Reserve Bank of Minneapolis Quarterly Review*, 24(4): 3–19, Fall 2000.
- “Sticky price models of the business cycle: Can the contract multiplier solve the persistence problem?” (with V. V. Chari and P. Kehoe), *Econometrica*, 68(5): 1151–1179, September 2000.
- “Explaining Cross-Country Income Differences,” (with J. Schmitz), in *Handbook of Macroeconomics*, eds. J.B. Taylor and M. Woodford, North-Holland, 1999.
- “Maintenance and Repair: Too Big to Ignore,” (with J. Schmitz), *Federal Reserve Bank of Minneapolis Quarterly Review*, 23(4): 2–13, Fall 1999.
- “Application of Weighted Residual Methods to Dynamic Economic Models,” in *Computational Methods for the Study of Dynamic Economies*, eds. R. Marimon and A. Scott, Oxford University Press, 1999.
- “The Optimum Quantity of Debt,” (with S. R. Aiyagari), *Journal of Monetary Economics*, 42: 447–469, December 1998.
- “A Defense of AK Growth Models,” *Federal Reserve Bank of Minneapolis Quarterly Review*, 22(4): 13–27, Fall 1998.
- “Comment on Gordon, Leeper, and Zha’s, ‘Trends in Velocity and Policy Expectations’,” *Carnegie-Rochester Series on Public Policy*, 49: 305–316, 1998.
- “Changes in Hours Worked Since 1950,” (with R. Rogerson), *Federal Reserve Bank of Minneapolis Quarterly Review*, 22(1): 2–19, Winter 1998.
- “Comment on King and Goodfriend’s ‘The New Neoclassical Synthesis and the Role of Monetary Policy’,” *NBER Macroeconomics Annual 1997*, MIT Press, 12: 283–289, 1997.
- “An Equilibrium Model of the Business Cycle with Household Production and Fiscal Policy,” (with R. Rogerson and R. Wright), *International Economic Review*, 38(2): 267–290, May 1997.

- “Solving the Stochastic Growth Model with a Finite Element Method,” *Journal of Economic Dynamics and Control*, 20(1-3): 19-42, March 1996.
- “Mechanics of Forming and Estimating Dynamic Linear Economies,” (with E. Anderson, L. Hansen, and T. Sargent), in *Handbook of Computational Economics*, eds. H. Amman, D. Kendrick, and J. Rust, North-Holland, 1996.
- “The CAPM Debate,” (with R. Jagannathan), *Federal Reserve Bank of Minneapolis Quarterly Review*, 19(4): 2–17, Fall 1995.
- “On Adaptive Learning in Strategic Games,” (with R. Marimon), in *Learning and Rationality in Economics*, eds. A. Kirman and M. Salmon, Basil Blackwell, 1995.
- “A Progress Report on Business Cycle Models,” *Federal Reserve Bank of Minneapolis Quarterly Review*, 18(4): 2–16, Fall 1994.
- “The Macroeconomic Effects of Distortionary Taxation,” *Journal of Monetary Economics*, 33: 573–601, 1994.
- “A Note on Computing Competitive Equilibria in Linear Models,” *Journal of Economic Dynamics and Control*, 18:149–160, 1994.
- “The Macroeconomics of War and Peace,” (with R. Braun), *NBER Macroeconomics Annual 1993*, MIT Press, 8: 197–247, 1993.
- “Government Policy and Aggregate Fluctuations,” *Revista de Analisis Economico*, 6: 21–36, 1991.
- “Money as a Medium of Exchange in an Economy with Artificially Intelligent Agents,” (with R. Marimon and T. Sargent), *Journal of Economic Dynamics and Control*, 14: 329–373, 1990.
- “Solving the Stochastic Growth Model by Linear-Quadratic Approximation,” *Journal of Business and Economic Statistics*, 8: 41–44, 1990.

**Working papers:**

- “Business Income Underreporting and Public Finance,” (with A. Bhandari and Y. Yao) mimeo, University of Minnesota.
- “Intangible Capital Reallocation,” (with A. Bhandari and P. Martellini) mimeo, Internal Revenue Service (not yet cleared).
- “A Theory of Business Transfers,” (with A. Bhandari and P. Martellini) mimeo, University of Minnesota.
- “Transfers of Workforce in Place,” (with A. Hernandez-Segura and E. Schultz) mimeo, Internal Revenue Service (not yet cleared).

- “On the Nature of Entrepreneurship,” (with A. Bhandari, T. Kass, and T. May) mimeo, University of Minnesota.
- “On Financing Retirement, Health, and Long-term Care in Japan,” (with K. Miyachi and A. Peralta-Alva) Staff Report 586.
- “Quantifying Efficient Tax Reform,” (with J. Boerma), mimeo, University of Minnesota.
- “Taxation of Paid- and Self-Employment,” (with A. Bhandari and Y. Yao), mimeo, University of Minnesota.
- “Predicting the Effects of Federal Reserve Policy in a Sticky Price Model: An Analytical Approach,” Federal Reserve Bank of Minneapolis Working Paper 598.
- “The Poverty of Nations: A Quantitative Exploration,” (with V. V. Chari and P. Kehoe), Federal Reserve Bank of Minneapolis Staff Report 204 and NBER Working Paper 5414.