VITA

Christine Amsler

April 2020

Address and Contact Information

Michigan State University
Department of Economics
Marshall-Adams Hall
486 W. Circle Dr., Room 110
East Lansing, MI 48824-1038

Phone: 517-355-3774
Fax: 517-432-1068
Email: amsler@msu.edu
Citizenship: United States

Education

University of Pennsylvania, Ph.D. Economics, 1980
Dartmouth College, M.B.A. Finance and Investments, 1976
Denison University, B.A. Economics and Political Science, 1974

Dissertation

The Term Structure of Interest Rates in an Expanded Market Model
supervised by Robert J. Shiller

Professional Employment

2019-	Professor, Michigan State University
1995-2019	Associate Professor, Michigan State University
1986-1995	Assistant Professor with Tenure, Michigan State University
1980-1986	Assistant Professor, Michigan State University

Visiting Scholar

University of Crete, Greece	2020, 2018, 2014, 2006
University of Queensland, Australia	2014, 2012, 2011, 2007

Yonsei University, South Korea	2011, 2010, 2008
Melbourne University, Australia	2007
Victoria University, New Zealand	2001, 2000
University of Oviedo, Spain	2000
Chicago Board of Trade	1982

Articles

1. "A Survey of the Use of Copulas in Stochastic Frontier Models," with Peter Schmidt, in *Methodological Contributions to the Advancement of Productivity and Efficiency Analysis,* edited by Christopher F. Parmeter and Robin C. Sickles, Springer Proceedings in Business and Economics, forthcoming.

2. "Evaluating the CDF of the Skew Normal Distribution," with Alecos Papadopoulos and Peter Schmidt, *Empirical Economics,* forthcoming.

3. "Evaluating the CDF of the Distribution of the Stochastic Frontier Composed Error," with Peter Schmidt and Wen-Jen Tsay, *Journal of Productivity Analysis,* 52 (2019), pp. 29-35.

4. "Separating Different Individual Effects in a Panel Data Model," with Peter Schmidt, *The Econometrics Journal*, 22 (2019), pp. 173-187.

5. "Endogenous Environmental Variables in Stochastic Frontier Models," with Artem Prokhorov and Peter Schmidt, *Journal of Econometrics,* 199 (2017), pp. 131-140.

6. "Stochastic Metafrontiers," with Christopher O'Donnell and Peter Schmidt, *Econometric Reviews*, 36 (2017), pp. 1007-1020.

7. "Endogeneity in Stochastic Frontier Models," with Artem Prokhorov and Peter Schmidt, *Journal of Econometrics*, 190 (2016), pp. 280-288.

8. "A Test of the Null of Integer Integration against the Alternative of Fractional Integration," with Cheol-Keun Cho and Peter Schmidt, *Journal of Econometrics*, 187 (2015), pp. 217-237.

9. "A Post-Truncation Parameterization of Truncated Normal Technical Inefficiency," with Peter Schmidt and Wen-Jen Tsay, *Journal of* Productivity *Analysis*, 44 (2015), pp. 209-220.

10. "Using Copulas to Model Time Dependence in Stochastic Frontier Models," with Artem Prokhorov and Peter Schmidt, *Econometric Reviews,* 33 (2014), pp. 497-522.

11. "Estimation and Inference in Parametric Deterministic Frontier Models," with Michael Leonard and Peter Schmidt, *Journal of Productivity Analysis*, 40 (2013), pp. 293-305.

12. "A Note on the Size of the KPSS Unit Root Test," with Jen-Je Su and Peter Schmidt, *Economics Letters*, 117 (2012), pp. 697-699.

13. “A Comparison of the Robustness of Several Tests of Short Memory to Autocorrelated Errors,” with Peter Schmidt, *Journal of Econometric Methods,* 1 (2012), pp. 56-66.

14. “Tests of Short Memory with Thick Tailed Errors,” with Peter Schmidt, *Journal of Business and Economic Statistics,* 30 (2012), pp. 381-390.

15. “Goodness of Fit Tests in Stochastic Frontier Models,” with Wei Siang Wang and Peter Schmidt, *Journal of Productivity Analysis,* 35 (2011), pp. 95-118.

16. “The KPSS Test Using Fixed-b Critical Values: Size and Power in Highly Autocorrelated Time Series,” with Peter Schmidt and Timothy Vogelsang, *Journal of Time Series Econometrics,* 1 (2009), 43 pages.

17. “A Survey of Stochastic Frontier Models and Likely Future Developments,” with Young Hoon Lee and Peter Schmidt, *Seoul Journal of Economics,* 22 (2009), pp. 5-27.

18. “A Robust Version of the KPSS Test Based on Indicators,” with Robert de Jong and Peter Schmidt, *Journal of Econometrics,* 137 (2007), pp. 311-333.

19. “Interpreting and Testing the Scaling Property in Models Where Inefficiency Depends on Firm Characteristics,” with Antonio Alvarez, Luis Orea and Peter Schmidt, *Journal of Productivity Analysis,* 25 (2006), pp. 201-212.

20. “Size and Power: Lower Tail KPSS Tests and Anti-Persistent Alternatives,” *Applied Economics Letters,* 6 (1999), pp. 693-695.

21. “Consistency of the KPSS Unit Root Test Against Fractionally Integrated Alternatives,” with Hyung Lee, *Economics Letters,* 55 (1997), pp. 151-160.

22. “A Joint Test for a Unit Root and Common Factor Restrictions in the Presence of a Structural Break,” with Junsoo Lee, *Structural Change and Economic Dynamics,* 8 (1997), pp. 221-232.

23. “An LM Test for a Unit Root in the Presence of a Structural Change,” with Junsoo Lee, *Econometric Theory,* 11 (1995), pp. 359-368.

24. “Keynes and Bank Rate Policy: Interest Rates Inconsistent with Full Employment,” *Journal of Post Keynesian Economics,* 15 (1993), 409-425.

25. “The Fisher Effect: Sometimes Inverted, Sometimes Not?” *Southern Economic Journal,* 52 (1986), pp. 832-835.

26. “What Determines Expected Real Interest Rates?” *Quarterly Review of Economics and Business,* 25 (1985), 59-67.

27. “A Monte Carlo Investigation of the Accuracy of Multivariate CAPM Tests,” with Peter Schmidt, *Journal of Financial Economics,* 14 (1985), pp. 359-375.

28. “A ‘Pure’ Long-Term Interest Rate and the Demand for Money,” *Journal of Economics and Business,* 36 (1984), pp. 359-370.

29. “Term Structure Variance Bounds and Time Varying Liquidity Premia,” *Economics Letters,* 16 (1984), pp. 137-144.

30. “Thoughts of Some British Economists on Early Limited Liability and Corporate Legislation,” with Robin Bartlett and Craig Bolton, *History of Political Economy,* 13 (1981), pp. 774-793.

31. “A Synergistic Approach to Simulations in Economics,” with Robin Bartlett, *Journal of Economic Education,* 9 (1977), pp. 56-57.

Working Papers

1. “A New Family of Copulas, with Application to Estimation of a Production Frontier System,” with Artem Prokhorov and Peter Schmidt, revision submitted to the *Journal of Business and Economic Statistics*.

2. “A Hierarchical Panel Data Stochastic Frontier Model for the Estimation of Stochastic Metafrontiers,” with Yi Yi Chen, Peter Schmidt and Hung Jen Wang, submitted to *Empirical Economics*.

3. “A Specification Test for the Stochastic Frontier Model,” with Alecos Papadopoulos and Peter Schmidt, on progress.

Courses Taught at MSU

Graduate Macroeconomics
Graduate Monetary Theory
MBA Macroeconomics
Undergraduate Econometrics
Undergraduate Money and Banking
Undergraduate Investments
Undergraduate Intermediate Macroeconomics
Undergraduate Honors combined Principles and Intermediate Macroeconomics
Undergraduate Principles of Macroeconomics
Undergraduate Principles of Microeconomics

Department, College and University Committees

2016-2020	Department Computer Committee
2010-2013	Department Undergraduate Instruction Committee
2003-2004	College Screening Committee
1992-1993	University Committee on Honors Programs
1990-1992	Department Graduate Instruction Committee
1990-1991	Department Hiring Committee
1982-1983	Department Advisory Committee
1981-1983	University Academic Council Faculty Council
1980-1982	Department Graduate Awards and Admissions

Doctoral Committees

2013	Seunghwa Rho
2010	Chaleampong Kongcharoen
2009	Wei-Siang Wang
2005	Myungsup Kim
2004	Jeongseok Song
2004	Jongbyung Jun
2002	Donggeun Kim
1999	Ching-Yi- Chiang
1997	Sang-Kuck Chung
1997	Keshin Tswei
1997	Min Chang
1994	Chingnum Lee
1991	Junsoo Lee
1990	Dennis Kwiatkowski
1988	Michael Francis Addonizio
1985	Edwina Masson

Referee

European Journal of Operational Research
Journal of Quantitative Methods for Economics and Business Administration
Annals of Operations Research
Journal of Economic Surveys
Journal of Economics and Business Statistics
Empirical Economics
Journal of Productivity Analysis
Applied Economics Research Bulletin
Oxford Bulletin of Economics and Statistics
Economic Inquiry
Journal of Econometrics
American Economic Review
Journal of Empirical Finance
Econometric Theory

Southern Economic Journal
Journal of Economics and Business
Quarterly Review of Economics and Business
International Economic Review
National Science Foundation
Journal of Macroeconomics
Journal of Economic Education
Computational Economics

University Hubert Humphrey Fellow Mentor

2005-2006	Lukas Lauw, Indonesia
2004-2005	Abdul Tokhy, Afghanistan
2003-2004	Shixin Chen, China
2002-2003	Mila Kasalica, Montenegro

Presentations

“Evaluating the CDF of the Distribution of the Stochastic Frontier Composed Error,” 16th European Workshop on Efficiency and Productivity Analysis, London, England, June 12, 2019.

"Separating Different Individual Effects in a Panel Data Model," MSU Econometrics Seminar, September 6, 2018.

"Distinguishing Heterogeneity and Inefficiency in a Panel Data Stochastic Frontier Model," 10th North American Productivity Workshop, University of Miami Business School, Miami, Florida, June 14, 2018.

"Stochastic Metafrontiers," Workshop on the Econometrics and Statistics of Efficiency Analysis: Recent Developments and Perspectives, Lecce, Italy, June 21, 2015.

"Stochastic Metafrontiers," 14th European Workshop on Efficiency and Productivity Analysis, Helsinki, Finland, June 16, 2015.

"Stochastic Metafrontiers," MSU Econometrics Seminar, April 2, 2015.

"A Post-Truncation Parameterization of Truncated Normal Technical Inefficiency," MSU Econometrics Seminar, September 5, 2013.

"A Post-Truncation Parameterization of Truncated Normal Technical Inefficiency," 13th European Workshop on Efficiency and Productivity Analysis, Aalto University School of Business, Helsinki, Finland, June 18, 2013.

"Estimation and Inference in Parametric Deterministic Frontier Models," University of Queensland, Brisbane, Australia, July 27, 2011.

"Estimation and Inference in Parametric Deterministic Frontier Models," XII European Workshop on Efficiency and Productivity Analysis, Verona, Italy, June 23, 2011.

"Estimation and Inference in Parametric Deterministic Frontier Models," MSU Econometrics Seminar, October 7, 2010.

"Estimation and Inference in Parametric Deterministic Frontier Models," New York Camp Econometrics V, October 1-3, 2010, Blue Mountain Lake, New York.

"Estimation and Inference in Parametric Deterministic Frontier Models," 2010 Asian-Pacific Productivity Conference, Taipei, Taiwan, July 20-23, 2010.

"Estimation and Inference in Parametric Deterministic Frontier Models," North American Productivity Workshop VI, Rice University, Houston, Texas, June 2-5, 2010.

"Using Copulas to Model Time Dependence in Panel Stochastic Frontier Models," 15th Conference on Panel Data, Bonn, Germany, July 5, 2009.

"Using Copulas to Model Dependence in Panel Stochastic Frontier Models," 11th European Workshop on Efficiency and Productivity Analysis, Pisa, Italy, June 25, 2009.

"Goodness of Fit Tests in Stochastic Frontier Models," 11th European Workshop on Efficiency and Productivity Analysis, Pisa, Italy, June 25, 2009.

"Goodness of Fit Tests in Stochastic Frontier Models," Yonsei University, Seoul, Korea, November 12, 2008.

"Goodness of Fit Tests in Stochastic Frontier Models," Sogang University, Seoul, Korea, November 6, 2008.

"Goodness of Fit Tests in Stochastic Frontier Models," Asian-Pacific Productivity Conference, Institute of Economics, Academia Sinica, Taipei, Taiwan, July 2008.

"Goodness of Fit Tests in Stochastic Frontier Models," North American Productivity Workshop, New York University, Stern School of Business, June 2008.

"Goodness of Fit Tests in Stochastic Frontier Models," New York Camp Econometrics III, Ithaca, New York, April 2008.

"Interpreting and Testing the Scaling Property in Models where Inefficiency Depends on Firm Characteristics," University of Sydney, Australia, June 2007.

"Interpreting and Testing the Scaling Property in Models where Inefficiency Depends on Firm Characteristics," University of Brisbane, Australia, May 2007.

"Interpreting and Testing the Scaling Property in Models where Inefficiency Depends on Firm Characteristics," University of Melbourne, Australia, March 2007.

"Interpreting and Testing the Scaling Property in Models where Inefficiency Depends on Firm Characteristics," University of Cyprus, Cyprus, October 2006.

"Interpreting and Testing the Scaling Property in Models where Inefficiency Depends on Firm Characteristics," University of Crete, Greece, October 2006.

"Testing the Scaling Property in a Model where Inefficiency Depends on Firm Characteristics," Hong Kong University of Science and Technology, Hong Kong, June 2005.

"A Robust Version of the KPSS Test, Based on Indicators," University of Oviedo, Spain, January 2005.

"Interpreting and Testing the Scaling Property in Models where Inefficiency Depends on Firm Characteristics," Asia-Pacific Productivity Conference, Brisbane, Australia, July 2004.

"Interpreting and Testing the Scaling Property in Models where Inefficiency Depends on Firm Characteristics," Far Eastern Meeting of the Econometric Society, Seoul, Korea, July 2004.

"Testing the Scaling Property in a Model where Inefficiency Depends on Firm Characteristics," Eighth European Workshop on Efficiency and Productivity Analysis, Oviedo, Spain, September 2003.

"A Robust Version of the KPSS Test, Based on Indicators," American Statistical Association Joint Statistical Meetings, San Francisco, August 2003.

'Tests of Short Memory with Thick-Tailed Errors," University of Oviedo, Spain, January 2003.

"Tests of Short Memory with Thick-Tailed Errors," University of Edinburgh, Scotland, May 11, 2000.

"On the Gibson Paradox," International Finance Division, Board of Governors of the Federal Reserve System, November 1989.

"On the Determination of Real Interest Rates,'" Econometric Society Meeting, Dallas, Texas, December 1984.

"The Variance Inequality Implied by the Hicksian Liquidity Preference Rational Expectations Model of the Term Structure of Interest Rates," Econometric Society Meeting, December 1983.

"Does Interest Rate Futures Trading Make Interest Rates More Volatile?" Econometric Society Meeting, December 1981.

"Testing the Friend-Landskroner-Losq Continuous Time Inflation-Adjusted Capital Asset Pricing Model with Time Varying Parameters," Western Economic Association Conference, July 1981.

"The Role of Liquidity Premiums in Volatility Tests of the Term Structure of Interest Rates," Social Science Research Council Conference, Board of Governors of the Federal Reserve System, June 1981.

"An American Consol; A Reexamination of the Expectations Theory of the Term Structure of Interest Rates," Western Economic Association Conference, June 1979.

"Stocks, Bonds, and Housing: Empirical Tests of the Traditional and Inflation-Adjusted Capital Asset Pricing Models with an Expanded Market Index," Western Economic Association Conference, June 1978.

Chair and Discussant

Discussant, "Cost Efficiency and Climate Policy: Lessons from the German Manufacturing Sector," by Maja Zarkovic, 10th North American Productivity Workshop, University of Miami Business School, Miami, Florida, June 12, 2018.

Discussant, "The Validity of Statistical inference about Unit-Specific Technical Efficiencies in cross-Sectional Stochastic Frontier Models; Comparison of Bayesian and Classical Approaches" by O. Badunenko and Y. Kolomiytseva, 14th European Workshop on Efficiency and Productivity Analysis, Helsinki, Finland, June 16, 2015.

Chair of session "Inference," 13th European Workshop on Efficiency and Productivity Analysis, Aalto University School of Business, Helsinki, Finland, June 18, 2013.

Chair of session "Advanced Panel," XII European Workshop on Efficiency and Productivity Analysis, Verona, Italy, June 23, 2011.

Discussant, "Measuring Capital for Micro and Small Enterprises in Indonesia," by Anne Prestvick, Xii European Workshop on Efficiency and Productivity Analysis,Verona, Italy, June 21, 2011.

Chair of session, "Productivity 2," 15th Conference on Panel Data, Bonn, Germany, July 5, 2009.

Chair of session, "Discrete Outcomes, Censoring and Selection," North American Productivity Workshop, Stern School of Business, New York University, June 27, 2008.

Chair of session, "Banking; Methods and Analyses," North American Productivity Workshop, Stern School of Business, New York University, June 27-30, 2006.

Discussant, "Measuring the Cost of Allocative Inefficiency: The Case of Spanish Railways," by J. Banos, V. Fernandez and A. Rodriguez, II Oviedo Workshop on Efficiency and Productivity, Oviedo, Spain, May 22-24, 2000.

Discussant, "Uncertainty about the Length of the Monetary Policy Transmission Lag: Implications for Monetary Policy," by Y. Ha, New Zealand Econometrics Study Group Summer Meeting, Wellington, New Zealand, March 3-4, 2000.

Chair of session and discussant, Midwest Meetings, March 1989.

Discussant, session on "Assessing Stability and Technological Change in the Financial Sector," American Economic Association Meetings, Washington D.C., December 29, 1981.

Discussant, session on "Issues in Financial Policy," Midwest Economics Association Meetings, Louisville, Kentucky, April 3, 1981.