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Joined the bank staff on October 1, 1998

Education: Ph.D. Economics, State University of New York at Buffalo, 1989; M.A. Economics, State University of New York at Buffalo, 1986; B.A. Economics, State University of New York at Binghamton, 1984

Previous Experience: Birkbeck College, University of London, 1994-1998; West Virginia University, 1988-1995

Other Experience: Adjunct Member of Graduate Faculty, SIU-Carbondale, 2002; Visiting Scholar, Institute for Monetary and Economic Studies, Bank of Japan, 2001; External Lecturer: HM Treasury (UK), 1997-98, Royal College of Defence Studies (UK), 1998; Bank of England, 1996; Fulbright Senior Scholar, Instituto de Economía de Montevideo (Uruguay), 1993

Areas of Interest: Regional, International, and Applied Microeconomics

Articles Published in Peer-Reviewed Journals

“The Economic Performance of Cities: A Markov-Switching Approach,” with Michael T. Owyang, Jeremy M. Piger, and Christopher H. Wheeler, *FORTHCOMING: Journal of Urban Economics*.

“A State-Level Analysis of the Great Moderation” with Michael T. Owyang and Jeremy Piger, *FORTHCOMING: Regional Science and Urban Economics*.

“Immigration and Outsourcing: A General Equilibrium Analysis,” with Subhayu Bandyopadhyay, *FORTHCOMING: Review of Development Economics*.

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“Is There Too Little Immigration? An Analysis of Temporary Skilled Migration” with Subhayu Bandyopadhyay, *Journal of International Trade and Economic Development*, June 2008, 17(2), pp. 197-211.

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“Measuring Relative Quality of Life from a Cross-Migration Regression, With an Application to Canadian Provinces,” with Stratford Douglas, *Research in Labor Economics*, 2000, 19, pp. 191-214.

“What Makes a Region Entrepreneurial? Evidence from Britain,” with Yannis Georgellis, *Annals of Regional Science*, August 2000, 34(3), pp. 385-403.

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“Is a Military Really a Luxury Good? An International Panel Study of LDCs,” *Applied Economics*, January 1996, 28, pp. 41-44.

“The Allocation of Official Development Assistance,” *Journal of Policy Modeling*, June 1995, 17, pp. 307-14.

“Protectionist Reputations and the Threat of Voluntary Export Restraint,” with Ivette Jans and Govind Hariharan, *Review of International Economics*, June 1995, 3, pp. 199-208.

“Estimating Aid-Allocation Criteria with Panel Data,” with William N. Trumbull, *The Economic Journal*, July 1994, 104, pp. 876-82.

“An Evaluation of the United Nations’ Human Development Index,” with Arnab Acharya, *Journal of Economic and Social Measurement*, April 1994, 20, pp. 51-65.

“The Non-Equivalence of Specific and Ad Valorem Tariffs with Quality-Differentiated Goods,” *Journal of Economic Integration*, March 1994, 9, pp. 80-93.

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“The Fertility Effect of Dependent Tax Exemptions: Estimates for the United States,” with Yannis Georgellis, *Applied Economics*, October 1992, 24, pp. 1139-145.

“Intertemporal Optimization under Threat of VER,” with Govind Hariharan, *Journal of International Economic Integration*, Spring 1992, 7, pp. 45-57.

“Efficient Quality Specialization and Tariffs in General Equilibrium,” *International Economic Journal*, Winter 1990, 4, pp. 21-34.

Articles Published by the Federal Reserve Bank of St. Louis

Regional Economic Development

“The 2001 Recession and the States of the Eighth Federal Reserve District,” with Michael T. Owyang and Jeremy M. Piger, Federal Reserve Bank of St. Louis *Regional Economic Development*, 2005, 1(1), pp. 3-16.

Review

“The Determinants of Aid in the Post-Cold War Era,” with Subhayu Bandyopadhyay, in Sajal Lahiri, ed., *Theory and Practice of Foreign Aid*, Elsevier, May 2007, pp. 387-402. Reprinted in Federal Reserve Bank of St. Louis *Review*, November/December 2007, 89(6), pp. 533-47.

“Regional Business Cycle Phases in Japan,” Federal Reserve Bank of St. Louis *Review*, January/February 2007, 89(1), pp. 61-76.

“Entrepreneurship and the Policy Environment,” with Yannis Georgellis, Federal Reserve Bank of St. Louis *Review*, March/April 2006, 88(2), pp. 95-111.

“Controlling for Heterogeneity in Gravity Models of Trade and Integration,” with I-Hui Cheng, Federal Reserve Bank of St. Louis *Review*, January/February 2005, 87(1), pp. 49-63.

“U. S. Regional Business Cycles and the Natural Rate of Unemployment” with Gylfi Zoëga, Federal Reserve Bank of St. Louis *Review*, January/February 2004, 86(1), pp. 23-31.

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The Regional Economist

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“Population, Sprawl and Immigration Trends in Eighth District Metro Areas Vary Widely” with Michael R. Pakko, Federal Reserve Bank of St. Louis *The Regional Economist*, July 2007, pp. 16-17.

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“A Jobless Recovery with More People Working” with Kevin L. Kliesen, Federal Reserve Bank of St. Louis *The Regional Economist*, April 2004, pp. 10-11.

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“Point/Counterpoint: How Much of the Gender Gap is Due to Discrimination?” with Alyson Reed, Federal Reserve Bank of St. Louis *The Regional Economist*, April 2001, pp. 10-11.

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“Cricket Versus Baseball as an Engine of Growth,” *Royal Economic Society Newsletter*,
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1997, 107, pp. 268-69.

Book Review, *Trade Protection in the United States*, by C. Rowley, W. Thorbecke and
R. Wagner, *The Economic Journal*, January 1997, 107, p. 270.

Working Papers

“States and the Business Cycle” with Michael T. Owyang and David E. Rapach, Federal
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“Controlling for Geographic Dispersion When Estimating the Japanese Phillips Curve,”
with Hiroshi Fujiki, Federal Reserve Bank of St. Louis Working Paper 2006-057A,
October 2006.

“Structural Breaks and Regional Disparities in the Transmission of Monetary Policy,”
with Michael T. Owyang, Federal Reserve Bank of St. Louis Working Paper 2003-008C,
April 2003, Revised February 2005.

“Regional Business Cycles and the Natural Rate of Unemployment,” with Gylfi Zoëga,
Central Bank of Iceland Working Paper No. 19, November 2002.

“Gravity Model Specification and the Effects of the Canada-U.S. Border,” Federal
Reserve Bank of St. Louis Working Paper 2000-024A, September 2000.

“Pro-Competitive Tariffs,” with Ivette Jans, Birkbeck College Discussion Paper 96-07.

“Consistent Conjectures and ‘Voluntary’ Export Restraints,” with Xiangqun Chen, West
Virginia University Working Paper No. 91-22.

“Strategic Export Policy for a Duopoly with Endogenous Quality,” West Virginia
University Working Paper No. 91-02.