



Generated: November 2018

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Joined the Bank Staff May, 2011

Education
Ph.D. Economics, The University of Iowa, 1989
M.S. Economics, Carnegie Mellon University, 1985
M.S. Industrial Engineering, National Institute for Training in Industrial Engineering, 1983
B.E. Electrical Engineering, Indian Institute of Science, India, 1981
B.S. Physics, University of Bombay, India, 1978

Areas of Interest Macroeconomics, Economic development, Income distribution, Public finance

Previous Experience

2018-present	Senior Vice President, Research Division, Federal Reserve Bank of St. Louis
2015-2016	Professor of Economics, Arizona State University (on leave from the Federal Reserve Bank of St. Louis)
2011-2018	Vice President, Research Division, Federal Reserve Bank of St. Louis
2011-present	Visiting Professor of Economics, Washington University in St. Louis
2002-2011	Henry B. Tippie Research Professor of Economics, University of Iowa
2000-2001	Professor of Economics, Pennsylvania State University
1996-2000	Associate Professor of Economics, University of Iowa
1995-1996	Associate Professor of Economics, University of Virginia
1995-1996	Visiting Associate Professor of Economics, University of Iowa
1989-1995	Assistant Professor of Economics, University of Virginia

Journal Publications

"Explaining Cross-Cohort Differences in Life Cycle Earnings," with Yu-Chien Kong and Guillaume Vandenbroucke, *European Economic Review*, August 2018, Vol. 107, pp. 157-184., Publisher DOI:

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"Unemployment Insurance Fraud and Optimal Monitoring," with David L. Fuller and Yuzhe Zhang, *American Economic Journal-Macroeconomics*, April 2015, Vol. 7, No. 2, pp. 249-290., Publisher DOI: <https://www.aeaweb.org/articles?id=10.1257/mac.20130255>

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"Majority Voting in a Model of Means Testing," with Buly A. Cardak and Gerhard Glomm, Federal Reserve Bank of St. Louis Working Paper 2018-014A, June 2018.

"Capital Accumulation and Dynamic Gains from Trade," with Ana Maria Santacreu and Michael J. Spasi, Federal Reserve Bank of St. Louis Working Paper 2017-005E, March 2018.

"Capital Goods Trade and Economic Development," with Piyusha Mutreja and Michael J. Spasi, Federal Reserve Bank of St. Louis Working Paper 2014-012A, May 2014.

"Price Equalization Does Not Imply Free Trade," with Piyusha Mutreja, Raymond Riezman, and Michael J. Spasi, Federal Reserve Bank of St. Louis Working Paper 2012-010B, June 2012.

Articles in Federal Reserve Bank of St. Louis Publications

"The Housing Supply Puzzle: Part 3, Price Gaps," Federal Reserve Bank of St. Louis *Economic Synopses*, 2018, No. 11.

"The Housing Supply Puzzle: Part 2, Rental Demand," Federal Reserve Bank of St. Louis *Economic Synopses*, 2018, No. 10.

"The Housing Supply Puzzle: Part 1, Divergent Markets," Federal Reserve Bank of St. Louis *Economic Synopses*, 2018, No. 9.

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