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EDUCATION

- ◇ Ph.D in Economics, University of Rochester, 2004
- ◇ MA in Economics, University of Rochester, 2001
- ◇ BA in Economics, Université de Rouen (France), 1998

WORK EXPERIENCE

- ◇ Assistant Vice President,
Federal Reserve Bank of St. Louis, January 2022 - present
- ◇ Research Officer,
Federal Reserve Bank of St. Louis, January 2016 - December 2021
- ◇ Senior Economist,
Federal Reserve Bank of St. Louis, July 2014 - December 2015
- ◇ Lecturer,
Washington University in St. Louis, Spring 2015, 2016, 2017, Fall 2017, 2018, 2019, 2020, 2021
- ◇ Visiting scholar,
Federal Reserve Bank of St. Louis, 6/2010, 10/2011, 6/2012
- ◇ Assistant Professor of Economics,
Dept. of Economics, University of Southern California, August 2011 - June 2014
- ◇ Assistant Professor of Economics,
Dept. of Economics, University of Iowa, August 2008 - July 2011
- ◇ Visiting Assistant Professor,
Dept. of Economics, University of Pennsylvania, July 2007 - July 2008

- ◇ Assistant Professor of Economics,
Dept. of Economics, University of Southern California, Sept. 2004 - July 2008

OTHER PROFESSIONAL ACTIVITIES

- ◇ Associate editor, *Journal of Economic Dynamics and Control*, 2013-present

PEER REVIEWED PUBLICATIONS

- ◇ “The Mechanics of Individually- and Socially-Optimal Decisions during an Epidemic,”
B.E. Journal of Macroeconomics, 2021–0072
- ◇ “Comparative Advantage and Moonlighting,” with S. Auray and D. Fuller
European Economic Review, 139, October 2021
- ◇ “The Baby Boomers and the Productivity Slowdown,”
European Economic Review, 132, February 2021
- ◇ “Fertility Shocks and Equilibrium Marriage-Rate Dynamics,” with J. Knowles
International Economic Review, 60(4) November 2019
- ◇ “Explaining Differences in Life Cycle Earnings across Cohorts,” with Y.-C. Kong and B. Ravikumar
European Economic Review, 107 August 2018
- ◇ “Family Economics Writ Large,” with J. Greenwood and N. Guner
Journal of Economic Literature, 55(4) December 2017
- ◇ “Measurement Without Theory,” with J. Greenwood and A. Seshadri
Journal of Demographic Economics, 81(3) September 2015
- ◇ “Explaining Educational Attainment across Countries and over Time,” with D. Restuccia
Review of Economic Dynamics, 17(4) October 2014
- ◇ “Fertility and Wars: The Case of World War I in France,”
American Economic Journal: Macroeconomics, 6(2) April 2014
- ◇ “The Evolution of Education: A Macroeconomic Analysis,” with D. Restuccia
International Economic Review, 54(3) August 2013
- ◇ “A Century of Human Capital and Hours,” with D. Restuccia
Economic Inquiry, 51(3) July 2013
- ◇ “A Quantitative Analysis of China’s Structural Transformation,” with R. Dekle
Journal of Economic Dynamics and Control, 36(1) January 2012
- ◇ “Whither Chinese Growth? A Sectoral Growth Accounting Approach,” with R. Dekle
Review of Development Economics, 14(3) August 2010

- ◇ “Trends in Hours: The U.S. from 1900 to 1950”
Journal of Economic Dynamics and Control, 33(1) January 2009
- ◇ “The American Frontier: Technology versus Immigration”
Review of Economic Dynamics, (11)2 April 2008
- ◇ “The U.S. Westward Expansion”
International Economic Review, 49(1) February 2008
- ◇ “The Baby Boom and Baby Bust,” with J. Greenwood and A. Seshadri
American Economic Review, 95(1) March 2005

OTHER PUBLICATIONS

- ◇ “Geographic Dispersion in COVID-19 Death Rates across the United States,” with B. Ravikumar
Federal Reserve Bank of St. Louis Economic Synopses, 2020, No. 36
- ◇ “COVID-19 Cases and Deaths: Comparing the 8th Federal Reserve District and the U.S.,” with B. Ravikumar
Federal Reserve Bank of St. Louis Economic Synopses, 2020, No. 28
- ◇ “The Lost Weeks of COVID-19 Testing in the United States: Part II,” with M. Peake and B. Ravikumar
Federal Reserve Bank of St. Louis Economic Synopses, 2020, No. 25
- ◇ “The Lost Weeks of COVID-19 Testing in the United States: Part I,” with M. Peake and B. Ravikumar
Federal Reserve Bank of St. Louis Economic Synopses, 2020, No. 24
- ◇ “Poor Countries Catching Rich Countries in Education, but Not Income” with M. Peake
The Regional Economist, Federal Reserve Bank of St. Louis, 28(2) 2020
- ◇ “Workers’ Diversity and Wage Growth Since 1940” with M. Peake
Federal Reserve Bank of St. Louis Review, First Quarter 2020
- ◇ “Observing the Earnings Gap through Marital Status, Race and Gender”
The Regional Economist, Federal Reserve Bank of St. Louis, 27(2) 2019
- ◇ “The Role of Age in Determining Stock-Bond Investment Mix”
The Regional Economist, Federal Reserve Bank of St. Louis, 26(4) 2018
- ◇ “Unequal Pink Slips? Gender and the Risk of Unemployment,” with H. Zhu
The Regional Economist, Federal Reserve Bank of St. Louis, 26(2) 2018
- ◇ “Why Are Life-Cycle Earnings Profiles Getting Flatter?” with B. Ravikumar
Federal Reserve Bank of St. Louis Review, Third Quarter 2017

- ◇ “Boomers Have Played a Role in Productivity Changes,”
The Regional Economist, Federal Reserve Bank of St. Louis, 25(4) 2017
- ◇ “Mixing the Melting Pot: The Impact of Immigration on Labor Markets,” with H. Zhu
The Regional Economist, Federal Reserve Bank of St. Louis, 25(1) 2017
- ◇ “Aging and Wealth Inequality in a Neoclassical Growth Model”
Federal Reserve Bank of St. Louis Review, First Quarter 2016
- ◇ “Rising Productivity, Declining Population Impact Russia’s Economy”
The Regional Economist, Federal Reserve Bank of St. Louis, 24(1) 2016
- ◇ “Lifetime Benefits of an Education Have Never Been So High,”
The Regional Economist, Federal Reserve Bank of St. Louis, 23(3) 2015
- ◇ “Living Arrangements Matter Not Just to Your Parents but Also to Policymakers”
The Regional Economist, Federal Reserve Bank of St. Louis, 23(2) 2015
- ◇ “Hours Worked (long-run trends),” with J. Greenwood
in S. N. Durlauf and L. E. Blume, eds., *The New Palgrave Dictionary of Economics*, London: MacMillan, 2008
- ◇ ”United States,” with Jeffrey B. Nugent
in A. Kohsaka, ed., *Aging and Economic Growth Potential in the Pacific Region*, London: Routledge, 2012

WORKING PAPERS

- ◇ “Technology Adoption and Mortality,” with J. Hejkal and B. Ravikumar, May 2021

INVITED PRESENTATIONS

- ◇ 2020: University of Missouri, Saint Louis; University of Connecticut
- ◇ 2019: Banque de France; ENSAI; Pontificia Universidad Católica de Chile and Central Bank of Chile
- ◇ 2018: LAEF Conference on Business Cycles, UCSB; Productivity Growth: Past, Present, and Future, ASU
- ◇ 2017: Banque de France; University of Exeter; Universitat Autònoma de Barcelona; ENSAI; University of Rochester
- ◇ 2016: Federal Reserve Bank of Philadelphia, ENSAI
- ◇ 2015: Brigham Young University, Temple University

- ◇ 2014: Federal Reserve Bank of Saint Louis; Southwest search and matching conference (UC Riverside); Demographic Economics (U. of Iowa); Philadelphia Workshop on Macroeconomics (Federal Reserve Bank of Philadelphia)
- ◇ 2013: Arizona State University; University of California, Riverside; Université Laval, Québec; International Monetary Fund; Simon Fraser University; Claremont McKenna University
- ◇ \leq 2012: UNSW, Sydney; USC Marshall School of Business; University of Iowa; Simon Fraser University; Federal Reserve Bank of Atlanta; Federal Reserve Bank of St. Louis; UC Santa Barbara; University of Southern California; Federal Reserve Bank of St. Louis; University of North Carolina, Chapel Hill; University of Texas, Austin; Federal Reserve Bank of Minneapolis; University of Southampton, UK; University of Aarhus, Denmark; University Carlos III, Spain; University of Toronto; University of Iowa; University of Pennsylvania; New York University; Pennsylvania State University; Université de Louvain-la-Neuve; UC San Diego; UC Riverside; University of Montreal; Arizona State University; Claremont-McKenna University; IZA, Bonn; Duke University, Fuqua School of Business; UC Santa Barbara; Loyola Marymount University; Purdue University; Simon Fraser University; UC Los Angeles; University of Toulouse; Université de Paris-1, Panthéon-Sorbonne; University of Iowa; University of Southern California; University of Southern California, Marshall School of Business; Federal Reserve Bank of Philadelphia; University of Pennsylvania; Allied Social Science Associations, Annual meetings (SED group), University of Toronto

ACCEPTED PRESENTATIONS

- ◇ 2019: Society for Economic Dynamics Meetings
- ◇ 2016: Society for Economic Dynamics Meetings
- ◇ 2015: Midwest Macro Meetings; Society for the Advancement of Economic Theory Meetings; Association for Public Economic Theory Meetings, Vienna Macro Workshop
- ◇ 2014: Society for Economic Dynamics Meetings
- ◇ 2013: CGEB/LAEF conference on economics and demography, NYU Stern School of Business
- ◇ 2012: South-Western Social Science Associations; MidWest Macro Meetings; NBER Macro Across Time and Space; Canadian Macro Study Group (CMSG) Meetings
- ◇ \leq 2011: NBER Macro Across Time and Space, 2011; Society for Economic Dynamics Meetings in 2003, 2004, 2007, 2008, 2009 and 2010; LAEF Conference on Economic Development at UCSB, 2010; Society for the Advancement of Economic Theory, 2009; Midwest Macro Meetings, 2008; NBER Macro Across Time and Space, 2008; Income Distribution and the Family, Kiel, Germany, 2008; NY/Philadelphia Workshop on Quantitative Macroeconomics, 2008; University of Rochester, 2007; Far Eastern Econometric Society, 2007; Pacific Basin Conference, Federal Reserve Bank of San Francisco, 2007; Stanford Institute for Theoretical Economics, 2007; NBER Summer Institute; Midwest Macro Meetings.

 INVITED DISCUSSIONS

- ◇ 2013: Vienna Macro Workshop, CIREQ, Montreal (4/2013)
- ◇ \leq 2011: Canadian Macro Study Group Meetings (11/2010); NY/Philadelphia Workshop on Quantitative Macroeconomics (4/2010 and 12/2007); NBER Summer Institute (7/2006); Economic Development Conference, ASU (4/2006)

 REFEREE WORK

- ◇ International Economic Review, Journal of Political Economy, American Economic Review, Quarterly Journal of Economics, Review of Economic Studies, American Economic Journals: Macroeconomics, Journal of Monetary Economics, Journal of Economic Growth, Review of Economic Dynamics, Economics Bulletin, The Berkeley Electronic Journals in Macroeconomics, Explorations in Economic History, Journal of International Economics, Economic Inquiry, Scandinavian Journal of Economics, Journal of Socio-Economics, Canadian Journal of Economics, Journal of Economic Dynamics and Control, Journal of Labor Economics, Journal of Human Capital, Review of Economics and Statistics, Journal of the European Economic Association, Journal of Population Economics, Journal of Macroeconomics, Review of Economics of the Household, European Economic Review, Quantitative Economics.
- ◇ National Science Foundation, Israel Science Foundation.

 MEMBER

- ◇ Program Committee, Midwest Macro Meetings 2015 (St. Louis)
- ◇ Program Committee, Econometric Society, North American Summer Meetings 2013 (Los Angeles)
- ◇ Program Committee, Society for Economic Dynamics Meetings 2011 (Ghent)
- ◇ Program Committee, Society for Economic Dynamics Meetings 2010 (Montreal)

 COURSES TAUGHT

- ◇ Washington University in St. Louis
 - Graduate Advanced Quantitative Methods: F2017
 - Undergrad. Economics of Education: S2015, S2016, S2017, S2018,
F2018, F2019
- ◇ University of Southern California
 - Graduate Macro: S2005, S2006, S2007, S2014

- Graduate Topics in Macro: F2012, F2013
- Graduate Numerical methods: S2011, S2012, S2013
- Undergrad. Principle of Macro: F2005, F2011
- Undergrad. Intermediate Macro: F2004, S2005, F2006, S2006, F2012, F2013, S2013
- ◇ University of Iowa
 - Graduate Macro: S2009, S2010, S2011
 - Undergrad. Macro: F2008
 - Undergrad. Money and Banking: F2009, F2010, S2010, S2011
- ◇ University of Pennsylvania
 - Undergrad. Macro: F2007, S2008

WORK WITH GRADUATE STUDENTS

- ◇ University of Iowa
 1. Co-advisor: Yu-Chien Kong (La Trobe University, Australia) and Elisa Keller (Durham University, UK)
 2. Ph.D. defense committee: Martin Lopez-Daneri (Central Bank of Chile), Mike Sposi (Dallas Fed); Wenbiao Cai (Univ. of Winnipeg); Dhritiman Bhattacharya (Equifax/IXI, Senior Analyst), Piyusha Mutreja (Syracuse University), German Cubas (Central Bank of Uruguay), John Hejkal (Tenaska, Inc.), Atsushi Oshima (IMF)
- ◇ University of Southern California
 1. Qualifying exam committee: Minki Hong (Korea Labor Institute), Jesus Sierra (Bank of Canada), Costas Xiouros (Norwegian School of Management), Rahul Giri (ITAM), Jad Dagher (IMF), Okan Eren (Central Bank of Turkey), Qi Sun (Shanghai University of Finance and Economics)
 2. Ph.D. defense committee: Rubina Verma (ITAM, Mexico), Osman Abbasoglu (Central Bank of Turkey)

AWARDS

- ◇ P.E.T.E. (Professional Excellence in the Training of Economists), University of Iowa, 2011
- ◇ Excellence in Refereeing Award, *American Economic Review*, 2009