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Employment

- **Federal Reserve Bank of St. Louis**
- **Instituto Tecnológico Autónomo de México (ITAM) Centro de Investigación Económica (CIE)**
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- **Federal Reserve Bank of St. Louis**
- **University of Rochester Department of Economics**
Address: Harkness Hall, Rochester NY 14627.
- **Instituto Tecnológico Autónomo de México (ITAM) Centro de Análisis e Investigación Económica (CAIE)**
Address: Av. Camino a Santa Teresa 930, Mexico DF 10700, Mexico.
- Senior Economist, May 2005 – Present.
- Economist, July 2002 – April 2005.
- Visiting Assistant Professor, January 2002 – June 2002.
- Economist, October 2000 – January 2002.
- Research Assistant to Professor Per Krusell, May 1998 and July 1999.
- Research Assistant to:
Professor Ignacio Trigueros, Director, CAIE (January – June 1995, Summer 1996).
Professor Manuel Ramos-Francia, Director, CAIE (January – December 1994).

Education

- **University of Rochester**
- Ph.D. in Economics, March 2001.
Dissertation: “Essays on Economic Competition among Jurisdictions.”
Advisor: Professor Per Krusell.
Fields of specialization: Industrial Organization, Political Economy.
- **Instituto Tecnológico Autónomo de México (ITAM)**
- M. A. in Economics, October 1998.
- B. A. in Economics, June 1995. Summa Cum Laude.

Publications: Academic Journals

- [“Measuring the Information Content of the Beige Book: A Mixed Data Sampling Approach,”](#) with Michelle T. Armesto, Michael T. Owyang, and Jeremy M. Piger. FORTHCOMING: *Journal of Money, Credit and Banking*.
- [“Spatial Dependence in Models of State Fiscal Policy Convergence,”](#) with Cletus C. Coughlin and Thomas A. Garrett. *Public Finance Review*. May 2007, 35(3), pp. 361-84.
- [“The Information Content of Regional Employment Data for Forecasting Aggregate Conditions,”](#) with Michael T. Owyang. *Economics Letters*, Vol. 90, Issue 3, March 2006, Pages 335-339.
- [“Patent Licensing Revisited: Heterogeneous Firms and Product Differentiation,”](#) with Gerard Llobet. *International Journal of Industrial Organization*, Vol. 24, Issue 1, January 2006, Pages 149-175.
- [“Racial Profiling or Racist Policing? Bounds Tests in Aggregate Data,”](#) with John Knowles. *International Economic Review*, August 2004, Vol. No. 45 Issue 3, pp. 959-89.
- [“Tax Competition and Tax Harmonization with Evasion,”](#) with Néstor Gandelman. *Topics in Economic Analysis & Policy*, 2004, Vol. 4: No. 1, Article 13.

Publications: Federal Reserve Bank of St. Louis *Review*

- “[Drug Prices Under the Medicare Drug Discount Card Program](#),” with Emin M. Dinlersoz, Han Li, and Roger Sherman. *Federal Reserve Bank of St. Louis Review*, November/December 2008, 90(6), pp. 643-66.
- “[Experiments in Financial Liberalization: The Mexican Banking Sector](#).” *Federal Reserve Bank of St. Louis Review*, September/October 2007, 89(5), pp. 415-32.
- “[The Geography, Economics, and Politics of Lottery Adoption](#),” with Cletus C. Coughlin and Thomas A. Garrett. *Federal Reserve Bank of St. Louis Review*, May/June 2006, 88(3), pp. 165-80.
- “[Does Consumer Sentiment Predict Regional Consumption?](#)” with Thomas A. Garrett and Michael T. Owyang. *Federal Reserve Bank of St. Louis Review*, March/April 2005, 87(2), pp. 123-35.
- “[The Diffusion of Electronic Business in the United States](#),” with Emin M. Dinlersoz. *Federal Reserve Bank of St. Louis Review*, January/February 2005, 87(1), pp. 11-34.
- “[Strategic Interaction in Tax Policies among States](#).” *Federal Reserve Bank of St. Louis Review*, May/June 2003, 85(3), pp. 47-56.
- “[Did Right-to-Work Work for Idaho?](#)” with Emin M. Dinlersoz. *Federal Reserve Bank of St. Louis Review*, May/June 2002, 84(3), pp. 29-34.

Publications: Federal Reserve Bank of St. Louis *Regional Economic Development*

- “[Regional Aggregation in Forecasting: An Application to the Federal Reserve's Eighth District](#),” with Kristie M. Engemann and Michael T. Owyang. *Federal Reserve Bank of St. Louis Regional Economic Development*, October 2008, 4(1), pp. 15-29.

Publications: Federal Reserve Bank of St. Louis *The Regional Economist*

- “[Eighth District Population Growth Follows National Pattern](#),” with Craig P. Aubuchon, Subhayu Bandyopadhyay, and Christopher J. Martinek. *Federal Reserve Bank of St. Louis The Regional Economist*, July 2008, pp. 18-19.
- “[Which Came First—Democracy or Growth?](#)” with Christopher J. Martinek. *Federal Reserve Bank of St. Louis The Regional Economist*, April 2008, pp. 4-6.
- “[U.S. Exporters: Rare but Beneficial](#),” with Christopher J. Martinek. *Federal Reserve Bank of St. Louis The Regional Economist*, October 2007, pp. 12-13.
- “[Adding Up the Economic Effects of Immigration](#).” *Federal Reserve Bank of St. Louis The Regional Economist*, October 2006, pp. 12-13.
- “[Professional and Business Services Bounce Back in Memphis](#),” with Deborah Roisman. *Federal Reserve Bank of St. Louis The Regional Economist*, July 2006, p. 16.
- “[Employment Trends in Nearby Metro Areas Take Different Paths](#),” with Deborah Roisman. *Federal Reserve Bank of St. Louis The Regional Economist*, January 2006.
- “[The Economics of Charitable Giving: What Gives?](#)” with Deborah Roisman. *Federal Reserve Bank of St. Louis The Regional Economist*, October 2005
- “[Health-Care Industry Pulls Memphis Out of Job Slump](#),” with Deborah Roisman. *Federal Reserve Bank of St. Louis The Regional Economist*, July 2005.
- “[Point and Click, or Mortar and Brick? A Look at Internet Banking in the Eighth District](#),” with Deborah Roisman. *Federal Reserve Bank of St. Louis The Regional Economist*, October 2004.
- “[Tough Lesson: More Money Doesn't Help Schools; Accountability Does](#),” with Deborah Roisman. *Federal Reserve Bank of St. Louis The Regional Economist*, April 2004.
- “[Innovation: Is the District Catching Up with the Nation?](#)” *Federal Reserve Bank of St. Louis The Regional Economist*, April 2003.
- “[Suburban Expansion](#).” *Federal Reserve Bank of St. Louis The Regional Economist*, October 2001.

Working Papers

- “Strategic Online-Banking Adoption,” with Roberto Fuentes and Gerard Llobet. *Federal Reserve Bank of St. Louis Working Paper 2006-058B*. Revised January 2008.
- “Spatial Probit and the Geographic Patterns of State Lotteries,” with Cletus C. Coughlin and Thomas A.

- Garrett. Federal Reserve Bank of St. Louis Working Paper 2003-042A. July 2004.
- “Nonlinear Hedonics and the Search for School District Quality,” with Abbigail J. Chiodo and Michael T. Owyang. Federal Reserve Bank of St. Louis Working Paper 2003-039. March 2004.

Commentary

- “[Local Income Inequality](#).” Federal Reserve Bank of St. Louis *National Economic Trends*, December 2008.
- “[Strategic Social Responsibility](#).” Federal Reserve Bank of St. Louis *National Economic Trends*, September 2008.
- “[U.S. Exporters: A Rare Breed](#).” Federal Reserve Bank of St. Louis *National Economic Trends*, August 2007.
- “[New Views on Immigration](#).” Federal Reserve Bank of St. Louis *National Economic Trends*, June 2006.
- “[The Economics of Giving](#),” Federal Reserve Bank of St. Louis *National Economic Trends*, October 2005.
- “[Metropolitan Growth: Sun Belt vs. Snow Belt](#).” Federal Reserve Bank of St. Louis *National Economic Trends*, October 2004.
- “[Entrepreneurship](#).” Federal Reserve Bank of St. Louis *National Economic Trends*, May 2004.
- “[Computer Use and Productivity Growth](#).” Federal Reserve Bank of St. Louis *National Economic Trends*, December 2003.
- “[Cities as Centers of Innovation](#).” Federal Reserve Bank of St. Louis *National Economic Trends*, March 2003.
- “[Health Care Costs and Coverage](#).” Federal Reserve Bank of St. Louis *National Economic Trends*, November 2002.
- “[Give me your Skilled...](#)” Federal Reserve Bank of St. Louis *National Economic Trends*, October 2001.
- “[The Earned Income Tax Credit at Work](#).” Federal Reserve Bank of St. Louis *National Economic Trends*, April 2001.

Research Interests

- Public Finance, Public Economics.
- Urban Economics, Regional Economics.
- Political Economy.
- Industrial Organization.

Teaching Experience

- Instructor:
Industrial Organization (Masters), ITAM, Spring 2002.
Intermediate Microeconomics (Undergraduate), ITAM, Spring 2002.
Intermediate Microeconomics (Undergraduate), University of Rochester, Summer 1998, Summer 2000.
Introductory Microeconomics (Undergraduate), ITAM, Spring 1994.

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