

CURRICULUM VITAE

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CURRENT POSITION:

Professor of Economics, Department of Economics, Wayne State University, August 1991 - present

PREVIOUS POSITIONS:

Visiting Professor, Department of Economics, University of Michigan, Winter 2006, Fall 2014
Associate Professor, Department of Economics, North Carolina State University, 7/85-6/91
Visiting Associate Professor, Department of Economics, University of North Carolina
– Chapel Hill, Spring Semester 1990
Assistant Professor, Department of Economics, The Pennsylvania State University, 7/81-6/85
Senior Economist, Research Department, Federal Reserve Bank of Philadelphia, 7/80-6/81
Economist, Research Department, Federal Reserve Bank of Philadelphia, 8/78-6/80

ADMINISTRATIVE SERVICE:

Director of Undergraduate Studies, Wayne State University, September 2010 – December 2011
Department Chair, Department of Economics, Wayne State University, August 1996 – August 2000

EDITORIAL SERVICE:

Associate Editor, Journal of Business & Economic Statistics, January 2001 – January 2007

TEACHING EXPERIENCE:

Undergraduate: Principles and Intermediate Macroeconomics, Money and Banking
Economic Growth and Monetary Theory and Policy
Graduate: Macroeconomic Theory, Mathematics for Economists
Advanced Macroeconomic Theory

EDUCATION: St. Joseph's University, B.S. in Mathematics
University of Delaware, M.A. in Economics
The Johns Hopkins University, Ph.D. in Economics

RESEARCH INTERESTS: Macroeconomics, Inventory Investment, Applied Time Series Analysis,
Monetary Theory

JOURNAL ARTICLES:

- “Normalization in Cointegrated Time Series Systems,” *Canadian Journal of Economics* 42, No. 4 (November 2009), pp. 1547-1560.
- “The Le Chatelier Principle in Dynamic Models of the Firm,” *Advances in Mathematical Economics* 11 (2008), pp. 117-145.
- “Patents as a Measure of Technology Shocks and the Aggregate U.S. Labor Market,” *Economic Inquiry* 43, No. 1 (January 2005), pp. 121-137.
- “Are Consumption and Government Expenditures Substitutes or Complements? Morishima Estimates from the Fourier Flexible Form,” *Economic Inquiry* 41, No. 1 (January 2003), pp. 132-146. Coauthor: Adrian R. Fleissig
- “Estimation and Inference in Inventory Models with Integrated Technology Shocks,” *METU Studies in Development* 29, No. 3-4 (2002), pp. 217-246. Coauthor: Mehmet Balcilar
- “On the Adjustment Matrix in Error Correction Models,” *Journal of Monetary Economics* 42, No. 2 (October 1998), pp. 427-444.
- “Structural Instability and the Production-Smoothing Model of Inventories,” *Journal of Business & Economic Statistics* 16, No. 2 (April 1998), pp. 206-215.
- “Temporal Aggregation and Economic Time Series,” *Journal of Business & Economic Statistics* 13, No.4 (October 1995), pp. 441-451. Coauthor: John J. Seater
- “Technology Shocks and Cointegration in Quadratic Models of the Firm,” *International Economic Review* 36, No. 1 (February 1995), pp. 5-17.
- “Cointegrated Time Series: A Guide to Estimation and Hypothesis Testing,” *Oxford Bulletin of Economics and Statistics* 56, No. 3 (August 1994), pp. 325-353. Coauthor: David A. Dickey
- “The Long-Run Implications of the Production Smoothing Model of Inventories: An Empirical Test,” *Journal of Applied Econometrics* 8, No. 3 (July-September 1993), pp. 295-306.
- “Aggregation, Unit Roots and the Time Series Structure of Manufacturing Real Wages,” *International Economic Review* 33, No. 1 (February 1992), pp. 159-179. Coauthor: John J. Seater
- “Estimating the Speed of Adjustment in Partial Adjustment Models,” *Journal of Business & Economic Statistics* 9, No. 4 (October 1991), pp. 441-453. Coauthor: Alastair Hall

JOURNAL ARTICLES (continued):

- “Interrelated Demands for Buffer Stocks and Productive Inputs: Estimates for Two-Digit Manufacturing Industries,” *Review of Economics and Statistics* 72, No. 1 (February 1990), pp. 19-29.
- “Two-Stage Optimal Control Problems with an Explicit Switch-Point Dependence: Optimality Criteria and an Example of Delivery Lags and Investment,” *Journal of Economic Dynamics and Control* 13, No. 3 (July 1989), pp. 319-337. Coauthor: Ken Tomiyama
- “Interrelated Demands for Labor and Buffer Stocks: An Empirical Test,” *Journal of Macroeconomics* 9, No. 1 (Winter 1987), pp. 13-30.
- “Wage and Hiring Dynamics with Storable Output,” *Journal of Macroeconomics* 8, No. 3 (Summer 1986), pp. 313-328.
- “Delivery Lags and Buffer Stocks in the Theory of Investment by the Firm,” *Journal of Economic Dynamics and Control* 9, No. 2 (October 1985), pp. 153-193.
- “Buffer Stocks and Labor Demand: Further Evidence,” *Review of Economics and Statistics* 67, No. 1 (February 1985), pp. 16-26.
- “A Model of the Demand for Investment in Inventories of Finished Goods and Employment,” *International Economic Review* 25, No. 3 (October 1984), pp. 731-741.
- “Joint Production, Quasi-Fixed Factors of Production, and Investment in Finished Goods Inventories,” *Journal of Money, Credit, and Banking* 16, No. 2 (May 1984), pp. 218-236. Coauthor: Louis J. Maccini
- “Some Empirical Estimates of the Demand for Hours in U.S. Manufacturing Industries,” *Review of Economics and Statistics* 65, No. 4 (November 1983), pp. 560-569.

ARTICLES IN CONFERENCE PROCEEDINGS:

- “Short-Run Decisions on Price, Output, and Inventories in a Dynamic Model of the Firm,” Proceedings of the First World Congress of Nonlinear Analysts, V. Lakshmikantham ed., Walter de Gruyter Publishers Inc., Berlin (1996), pp. 2481-2492.
- “Investment in Finished Goods Inventories: An Analysis of Adjustment Speeds,” *American Economic Association Papers and Proceedings* 81, No. 2 (May 1981), pp. 17-22. Coauthor: Louis J. Maccini

BOOK

Macroeconomics, Routledge Publishing, First Edition, 2011.

MANUSCRIPTS:

“Just-In-Time Inventories and the Business Cycle,” (February 2017).

Coauthors: Ana María Herrera, Yong-Gook Jung

“Temporal Aggregation, Structural Change, and Tests for the Neutrality of Money,”

(February 2017). Coauthor: Liang Hu

“Cost Shocks and Inventories,” (February 2009).

“Mixed Degrees of Integration and Multicointegration in Cointegrated Time Series Systems,”

(September 2007).

OTHER PUBLICATIONS:

“Structuring Corporate Taxes for a More Productive Economy,” *Business Review*, Federal Reserve Bank of Philadelphia (January/February 1981), pp. 11-19.

“Did the Tax Cut Really Cut Taxes?” *Business Review*, Federal Reserve Bank of Philadelphia (January/February 1982), pp. 3-12.

“Unemployment Compensation: A New Look for the 80's?” *Business Review*, Federal Reserve Bank of Philadelphia (July/August 1979), pp. 19-26.

SERVICE AS REFEREE:

American Economic Review

Economic Inquiry

The Economic Journal

Journal of Economic Dynamics and Control

Journal of Money, Credit, and Banking

National Science Foundation

Scandinavian Journal of Economics

Journal of Time Series Analysis

Contemporary Economic Policy

Journal of Applied Econometrics

International Journal of Production Economics

Optimal Control, Applications and Methods

Review of Economics and Statistics

Journal of Macroeconomics

International Economic Review

Labour Economics

Journal of Econometrics

Economica

Journal of Business & Economic Statistics

Economic Modelling

Southern Economic Journal

Journal of Empirical Finance

Empirical Economics