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EXPERIENCE:

2004 - Present	APPLIED ECONOMIC STUDIES, Birmingham, Alabama <u>President</u>
2000 - Present	PHOENIX CENTER FOR ADVANCED LEGAL AND ECONOMIC PUBLIC POLICY STUDIES (501(c)(3)) Washington, DC <u>Chief Economist</u>
2004-Present	UNIVERSITY OF SOUTH FLORIDA, DEPT. OF ECONOMICS <u>Adjunct Professor</u>
2000 - 2004	Z-TEL COMMUNICATIONS Tampa, FL <u>Chief Economist, Strategic Policy and Planning</u>
1996 - 2000	MCI WORLDCOM CORPORATION Washington, D.C. <u>Senior Economist, Office of Policy and Strategic Planning</u>
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1997 - 2001	AUBURN POLICY RESEARCH CENTER, Auburn, Alabama <u>Affiliated Scholar</u>

PUBLISHED RESEARCH:

“The Competitive Effects of Quantity Discounts,” with T. R. Beard and D. L. Kaserman (Forthcoming in *Antitrust Bulletin*).

“Does Municipal Supply of Communications Crowd-Out Private Communications Investment? An Empirical Study” (Forthcoming in *Energy Economics*).

“Broadband and Economic Development: A Municipal Case Study from Florida,” with T. M. Koutsky. *Review of Urban and Regional Development Studies*, Vol. 17, 2003.

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“Issues in Empirical Merger Analysis,” with T. Randolph Beard
Introductory article by the Guest Editors in a Special Issue of the *International Journal of the Economics of Business*, Vol. 13, 2006.

“Empirical Simulation of Mergers: The Cingular and AT&T Wireless Merger,” with T. Randolph Beard and Richard P. Saba. *International Journal of the Economics of Business*, Vol. 13, 2006.

“Event Studies for Merger Analysis: An Evaluation of the Effects of Non-Normality on Hypothesis Testing,” with Audrey D. Kline. In *Antitrust Policy Issues*, Nova Publishers, 2006.

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“Misleading Inferences from Panel Unit-Root Tests: A Comment,” with John Jackson and Audrey Kline. *Review of International Economics*, Vol. 14, 2006.

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"Competition and Investment in Telecommunications," with John D. Jackson. *Atlantic Economic Journal*, Vol. 32, 2004.

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"Discrimination and Minority Ownership in Radio Broadcasting," with Audrey B. Davidson and Barry Hayworth, *International Journal of the Economics of Business*, Vol. 10, 2003.

"Preliminary Evidence on the Demand for Unbundled Elements in Telephony," with Robert B. Ekelund, Jr., *Atlantic Economic Journal*, Vol. 30, 2002.

"Demand Elasticities for International Message Telephone Service," with John D. Jackson, *Applied Economics*, Vol. 36, 2004.

"Competition and Market Structure in Local Exchange and Long Distance Telecommunications Markets," with T. Randolph Beard. *International*

Handbook on Telecommunications Economics, Vol. I, Ch. 6, Gary Madden ed., Edward Elgar: 2002.

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"Price, Quality, and Consumer Welfare in the Cable Television Industry," with T. Randolph Beard, Robert B. Ekelund, Jr., and Richard P. Saba. *Journal of Regulatory Economics*, Vol. 20, 2001

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"The Measurement of Merger Delay in Regulated and Restructuring Industries," with Robert B. Ekelund Jr. and Mark Thornton. *Applied Economics Letters*, Vol. 8, 2001.

"Changing Industry Structure: The Economics of Entry and Price Competition" with Jerry B. Duvall. *Telecommunications and Space Journal*, Vol. 7, 2000.

"Market Power in Radio Markets: An Empirical Analysis of Local and National Concentration," with Robert B. Ekelund, Jr. and Thomas Koutsky. *Journal of Law and Economics*, Vol. XLIII, 2000.

"TV Advertising, Local Markets and Merger Guidelines: An Empirical Study," with Robert B. Ekelund, Jr. and John D. Jackson. *International Journal of the Economics of Business*, Vol. 7, 2000.

"Preserving Free Television? Some Empirical Evidence on the Efficacy of Must Carry," with John D. Jackson. *Journal of Media Economics*, Vol. 13, 2000.

"Is Radio Advertising a Distinct Local Market: An Empirical Analysis," with R. B. Ekelund, Jr. and John D. Jackson. *Review of Industrial Organization*, Vol. 14, 1999.

"On the Interpretation of Policy Effects from the Estimates of Simultaneous Systems of Equations," with John D. Jackson. *Applied Economics*, Vol. 30, 1998.

"Information Costs and Nirvana Revisited: Edwin Chadwick on Nineteenth Century Urban Funeral Markets," with Robert B. Ekelund, Jr. *Journal of Regulatory Economics*, Vol. 12, 1997. Reprinted in the *The*

Foundations Of Regulatory Economics, Ed. R. B. Ekelund, Jr., Edward Elgar Publishing.

"Horizontal Concentration and Vertical Integration in the Cable Television Industry" with John D. Jackson. *Review of Industrial Organization*, Vol. 12, 1997.

CURRENT RESEARCH PROJECTS FOR PUBLICATION:

"An Investigation into the Influence of Retail Gas Prices on Oil Company Profits."

"The Generalized Lambda Distribution and Sample Size," with J. D. Jackson.

"Competition After Unbundling: Entry, Industry Structure and Convergence," with Thomas M. Koutsky and Lawrence J. Spiwak (Under Review).

"An Analysis of RESET for Conditional Mean Models," with J. D. Jackson.

"Selecting Members for Panel Unit Root Tests," with J. Jackson.

"The Telecommunications Act and Investment," with T. Randolph Beard and David Kaserman.

EXAMPLES OF LITIGATION, REGULATORY DOCUMENTS and TESTIMONY:

Carter Estate v. CSXT, Louisville, Kentucky (2006).

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BOOK REVIEWS, EDITORIALS, REPORTS, and POLICY PAPERS:

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“Higher Prices Expected from the Cingular/ AT&T Wireless Merger,” PHOENIX CENTER POLICY BULLETIN NO. 11 (26 May 2004): with Lawrence W. Spiwak.

“Fixed-Mobile “Intermodal” Competition in Telecommunications: Fact or Fiction? “PHOENIX CENTER POLICY BULLETIN NO. 10 (30 March 2004): with Lawrence W. Spiwak.

“Federalism in Telecommunications Regulation: Effectiveness and Accuracy of State Commission Implementation of TELRIC in Local Telecoms Markets,” PHOENIX CENTER POLICY BULLETIN NO. 9 (9 March 2004): with Lawrence W. Spiwak.

“The \$10 Billion Benefit of Unbundling: Consumer Surplus Gains from Competitive Pricing Innovations,” PHOENIX CENTER POLICY BULLETIN NO. 8 (27 January 2004): with Lawrence W. Spiwak and Thomas Koutsky.

“The Positive Effects of Competition on Employment in the Telecommunications Industry,” PHOENIX CENTER POLICY BULLETIN NO. 7 (15 October 2003): with Lawrence W. Spiwak.

“UNE-P Drives Bell Investment - A Synthesis Model,” PHOENIX CENTER POLICY BULLETIN NO. 6 (17 September 2003): with Lawrence W. Spiwak.

“Competition and Bell Company Investment in Telecommunications Plant: The Effects of UNE-P,” PHOENIX CENTER POLICY BULLETIN NO. 5 (Originally released 9 July 2003 and updated 17 September 2003): with Lawrence W. Spiwak.

“The Truth About Telecommunications Investment after the Telecommunications Act of 1996,” PHOENIX CENTER POLICY BULLETIN NO. 4 (24 June 2003) : with Lawrence W. Spiwak.

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“In Through the Back Door: Embedded Cost and the FLC.” June 2002. (www.telepolicy.com).

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“The Cable Television Industry: An Annotated Bibliography” Published and Funded by the *Auburn Utilities Research Center*, Summer 1994.

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