

CURRICULUM VITAE

DAVID J. GABEL

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DEGREES: B.A. Boston University, magna cum laude, 1976,
Awarded distinction in history.
M.S. University of Wisconsin-Madison, 1982,
economics.
Ph.D. University of Wisconsin-Madison, 1987,
economics.

DISSERTATION TITLE: The Evolution of a Market: The Emergence of
Regulation in the Telephone Industry of
Wisconsin, 1893-1917.

WORK EXPERIENCE:

Queens College. 1987-

Professor of Economics since 1997. Teach industrial organization, statistics, econometrics, economics of the Internet, operations research, microeconomics, business economics, and economic history.

Massachusetts Institute of Technology. 2001-2006

Internet and Telecommunications Convergence Consortium, Visiting Scholar.

Graduate School, City University of New York. 1988-

Teach Industrial Organization.

Columbia University. 1988-

Affiliated Research Fellow, Columbia Institute for Tele-Information, Graduate School of Business.

Ohio State University. 2003-08

Senior Fellow, National Regulatory Research Institute.

Ohio State University. 1991-1998

Institute Associate, National Regulatory Research Institute.

Northeastern University. 1993-95
Visiting Research Associate.

Michigan Divestiture Research Fund. 1986-87.

Wrote report that identified the cost of telephone services in the information age. Quantified the stand-alone and incremental cost-of-service of different telephone services.

Office of Chief Economist, Wisconsin Public Service Commission, 1979-1980, 1983-1985.

Directed cost study that quantified the stand-alone and incremental cost-of-service of different telephone services. Supervised cost study of local measured service. Written and oral testimony presented on costing and pricing issues.

New York State Consumer Protection Board, 1985-1986.

Presented expert testimony to the New York Public Service Commission. Quantified the incremental and embedded cost of message and access services, and the elasticity of demand for various telephone services.

American Telephone and Telegraph Company, 1982-1983.

Responsible for developing interfaces between engineering simulation models and a financial forecasting system. Analyzed the impact of changes in demand on capital expenditures.

Dean Witter Reynolds, 1982.

Advised management on the procurement of telephone networks and hardware. Developed economic model for analyzing different capital expenditure alternatives.

Richard Gabel, Communication Consultant, Summer 1976 and 1980, 1981-82.

Researched the technical impact long distance service had on the design of the local telephone network. Analyzed Bell Operating Company's forecasting procedures. Assisted in the analysis of private line costing and pricing issues raised in antitrust litigation.

Massachusetts Department of Public Utilities, 1977-1979.

Developed costing and pricing procedures for gas, electric, and telephone services. Hearing examiner.

Yadkin Valley Telephone Corporation, 1976-1977.

Outside plant and PBX installations.

TEACHING EXPERIENCE:

- Queens College, 1987-
Teach industrial organization, regulation, economics of the Internet, microeconomics, business economics, statistics, operations research, econometrics and economic history.
- Michigan State University, 1994-2005
Taught course on the costing and pricing principles underlying the provision of telecommunications services at a National Association of Regulatory Utility Commissions (NARUC) training seminar.
- Ohio State University, 1988
Taught course on how to calculate the cost of telephone services.
- University of Wisconsin, 1980-81, 1984
Teaching Assistant for introductory economics and economic history.

SERVICE AT QUEENS COLLEGE

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|---|--|
| Chair, Department of Economics | 2006 – 2010, 2019- |
| Member of College Executive P&B Committee | 2007 – 2010, 2019- |
| Chair of Evening Program, Department of Economics | 1992-93, 1994-96, 1998-2000; 2002-2006 2010-19 |
| Member Promotions and Benefits Committee | 2004- |
| Faculty Advisor Economic Honor Society | 1992-93, 1998-2000, 2002- 2007 |
| Curriculum Committee, Department of Economics | 1991-93, Chair, 2002-2007. |
| Coordinator, Social Science Research Lab | 1992-93 |

PUBLICATIONS POST-QUEENS COLLEGE EMPLOYMENT:

- Book Review of John Neufeld's Selling Power: Economics, Policy, and Electric Utilities Before 1940, Journal of Economic History, 2017.
- "Uber and the Persistence of Market Power," Journal of Economic Issues, June 2016, pp. 527-534.

Book Review of Robert MacDougall's The People's Network: The Political Economy of the Telephone in the Gilded Age, Journal of Economic History, pp. 1249-51. 2014.

"The Transition from the Legacy Public Switched Telephone Network to Modern Technologies," (with Steven Burns), National Regulatory Research Institute, 2012.

"Disconnecting: Understanding decline in universal service" (with Carolyn Gideon), Telecommunications Policy, September 2011, pp. 737-51.

"Promoting Innovation and the Deployment of Advanced Telecommunications Services to Business," Contemporary Economic Policy (with Guang-Lih Huang), April 2008, pp. 229-47.

"Broadband and Universal Service," Telecommunications Policy, July-August 2007, pp. 327-346.

Book Review of Gerald Brock's The Second Information Revolution, <http://eh.net/bookreviews/>, 2004.

"Promoting Innovation: Impact of Local Competition and Regulation on Deployment of Advanced Telecommunications Services for Businesses." (with Guang-lih Huang) 35th Decision Sciences Institute Proceedings (2004), pp 3731-3739.

"An Approach to Analysis of Impairment of Unbundled Switching (with Eric Ralph and Scott Kennedy," 2003, <http://www.nrri.ohio-state.edu/members/markets/Impairment/index.php>

"Why is There So Little Competition in the Provision of Local Telecommunications Services? An Examination of Alternative Approaches to End-User Access," MSU-DCL Law Review, 2002, pp. 651-670.

"Regulation of Retail Telecommunications Rates," in An Institutional Approach to Public Utility Regulation, pp. 205-24, eds. Edythe Miller and Warren Samuels, Michigan State University Press, 2002.

"A Competitive Market Approach to Interconnection Payments in the US," in Networking Knowledge for Information Societies: Institutions and Intervention, eds. Robin Mansell, Rohan Samarajiva and Amy Mahan, pp. 132-140, Delft University Press, 2002.

- “Accessibility of Broadband Telecommunications Services by Various Segments of the American Population,” (with Florence Kwan), in Communications Policy in Transition: The Internet and Beyond, eds. Benjamin Compaine and Shane Greenstein, pp.295-320, MIT Press, 2001.
- “Current Issues in the Pricing of Telecommunications Services,” American Association of Retired Persons, 2001, http://research.aarp.org/consume/d17416_pricing.html
- “Who’s Taking Whom: Some Comments and Evidence on the Constitutionality of TELRIC,” (with David Rosenbaum), Federal Communications Law Journal, March 2000, pp. 239-271.
- “Proxy Models and the Funding of Universal Service,” (with Scott Kennedy) in Competition, Regulation, and Convergence: Current Trends in Telecommunications Policy Research. Lawrence Erlbaum Associates. 1999, pp. 213-233.
- “Household Financing of the First 100 Feet,” David Gabel and Milton Mueller, appearing in The First 100 Feet: Options for Internet and Broadband Access, Deborah Hurley and James Keller, eds., MIT Press, 1999, pp. 11-23.
- “Pricing Telecommunications Services in Competitive Markets,” appearing in Making Universal Service Policy: Enhancing the Process Through Multidisciplinary Evaluation, eds. Barbara A. Cherry, Allen S. Hammond IV, and Steven S. Wildman, eds. Lawrence Erlbaum Associates, 1999, pp. 135-157.
- “Universal Service,” in The Froehlich/Kent Encyclopedia of Telecommunications, vol. 17, eds. Fritz Froehlich and Allen Kent, Marcel Dekker, Inc., 1999, pp. 181-198.
- Book Review of Gerald Brock’s Telecommunications Policy for the Information Age, Review of Industrial Organization 13: 491-94 (1998).
- “Estimating the Cost of Switching and Cables Based on Publicly Available Data,” with Scott Kennedy. Monograph published by the National Regulatory Research Institute 1998.
- “Historical Perspectives on Competition and Interconnection between Local Exchange Companies,” (with David Weiman) Opening Networks to Competition: The Regulation and Pricing of Access. Coeditor David Gabel and David Weiman. Kluwer Academic Press. 1998.

- "Introduction," (co-author David Weiman) to Opening Networks to Competition: The Regulation and Pricing of Access. Coeditor David Gabel and David Weiman. Kluwer Academic Press. 1998.
- "Is Residential Service Subsidized? Moving Past the Rhetoric Through an Empirical Analysis of the Cost and Revenue Associated with the Kiwi Share," Universal Service with Network Competition, University of Auckland Press, Centre for Research in Network Economics and Communications, 1996.
- "The Effect of Cellular Service on the Cost Structure of a Land-Based Telephone Network," (with Mark Kennet), appearing in Telecommunications Policy (1997).
- "Fully Distributed Cost Pricing, Ramsey Pricing, and Shapley Value Pricing: A Simulated Welfare Analysis for the Telephone Exchange," (with Mark Kennet). Review of Industrial Organization, vol. 12 (August 1997), pp. 485-499.
- "The Effect of Cellular Service on the Cost Structure of a Land-Based Telephone Network," National Regulatory Research Institute Quarterly Bulletin (with Mark Kennet), vol. 17 (Winter 1996-97), pp. 561-577.
- "Private Telecommunications Networks: An Historical Perspective." in Public Networks Public Objectives, Ed. Eli Noam and Aine Níshúilleabháin, Elsevier Science, 1996, pp. 35-49.
- "Improving Proxy Cost Models for Use in Funding Universal Service," National Regulatory Research Institute, The Ohio State University, 1996, 57 pages, 96-34.
- "On the Validity of Capacity Costs," (with James D. Cowie). Published in the Proceedings of the Tenth NARUC Biennial Regulatory Information Conference, Vol. 1, pp. 29-48, National Regulatory Research Institute at the Ohio State University. 1996.
- "AT&T's Transition to Automatic Switching: Market versus Institutional Influences," (with Joan Nix), Journal of Economic Issues, vol. 30, September 1996.
- "Competition-Enhancing Costing and Pricing Standards for Telecommunications Interconnection," National Regulatory Research Institute, The Ohio State University, 1996. NRRI 96-22.

- Book Review of Richard Vietor's Contrived Competition: Regulation and Deregulation in America, The Annals of the American Academy, March 1996, pp. 234-35.
- "Prices, costs, externalities and entrepreneurial capital: lessons from Wisconsin," (with David Rosenbaum), Antitrust Bulletin (Fall 1995), pp. 581-608.
- "Pricing Voice Telephony Services: Who is Subsidizing Whom?" Telecommunications Policy 19 (August 1995), pp. 453-64.
- "Federalism: An Historical Perspective." in Crossing Lines: American Regulatory Federalism and the Telecommunications Infrastructure (1995) (ed. Paul Teske), pp. 19-31.
- "Privatization, Deregulation, and Competition: Learning From the Cases of Telecommunications in New Zealand and the United Kingdom," (with William Pollard). Monograph Published by the National Regulatory Research Institute, Ohio State University, 1995. 114 pages.
- "Current Issues in the Pricing of Voice Telephone Services," Monograph Published by the American Association of Retired Persons, 1995.
- "Economies of Scope in the Local Telephone Market." (with Mark Kennet). Journal of Regulatory Economics. Nov. 1994, vol. 6, no. 4, pp. 381-398.
- "Competition in a Network Industry: The Telephone Industry, 1894-1910," Journal of Economic History, vol. 54, September 1994, pp. 543-572.
- "Designing Reasonable Cost and Pricing Standards for Multiproduct Utilities," (with Mark Kennet and Robert Loube) in Proceedings of the Ninth NAURC Biennial Regulatory Information Conference, vol. 1, pp. 341-56, National Regulatory Research Institute, Ohio State University, 1994.
- "AT&T's Strategic Response to Competition: Why Not Preempt Entry?" (with Joan Nix). Journal of Economic History, June 1993, pp. 377-387.
- "Regulatory Assessment of Investments in Telephone and Electric Utilities" (with Joan Nix). Law and Policy, vol.15 (April 1993), pp. 123-37.
- Book Review of Claude Fischer's America's Calling, Spectrum Magazine, June 1993.

- "Pricing of Telecommunication Services." with Mark Kennet. Review of Industrial Organization. 1993. pp. 1-14; and "Reply to Taylor," 7 pages.
- "The Effects of Divestiture, Privatization, and Competition on Productivity in U.S. and U.K. Telecommunications: a Brief Note," Review of Industrial Organization. 1993, pp. 63-66.
- "Estimating the Cost Structure of the Local Telephone Exchange Network." (with Mark Kennet), Monograph Published by the National Regulatory Research Institute, Ohio State University, 1991. 150 pages.
- "Regulation of the Telephone Industry," Journal of Economic Issues, (1991): 597-605.
- "An Application of Stand-Alone Costs to the Telecommunications Industry," Telecommunications Policy, February 1991, pp.75-84.
- "Using Process Data to Estimate Changes in the Cost Structure of an Industry--A Case Study of the Telephone Industry," with Mark Kennet, in Marginal Cost Techniques for Telephone Services: Symposium Proceedings (Columbus: National Regulatory Research Institute at Ohio State University, 1991), pp. 311-347.
- "Divestiture, Spin-Offs, and Technological Change in the Telecommunications Industry--A Property Rights Analysis." 3 Harvard Journal of Law and Technology (1990), pp. 75-102.
- "Deregulation: Should the Local Telephone Market be Next?" New England Law Review, Volume 24 (1989), pp. 39-61.
- "Rejoinder," Telecommunications Policy, vol. 12, September 1988, pp. 288-89.

PRE-QUEENS COLLEGE PUBLICATIONS:

- "Cost Characteristics of Michigan Bell: A Study of the Stand-Alone and Incremental Costs for Michigan Bell's Major Categories of Service," (with Richard Gabel), 1987. Research done for, and distributed by Michigan Divestiture Research Board.
- "A Study of the Incremental and Stand-Alone Cost of Telephone Service," Wisconsin Public Service Commission, 1985.

EDITORIAL SERVICE:

Journal of Economic History
Review of Industrial Organization
Business History Review
Regulation & Governance
Journal of Regulatory Economics
European Economic Review
International Journal of Industrial Organization
Spectrum Magazine
Research Policy
Journal of Communications
Telecommunications Policy
Telecommunications Systems
Southern Economic Journal
Law and Policy
Journal of Media Economics
Journal of Information Policy
Oxford University Press

DISSERTATION SUPERVISION:

Andrew Paizis
Christopher Vaz
Robert O'Haver
Eugene Floyd
Florence Kwan
Mike Fusillo
Guang-Li Huang (MIT)
Yoko Katagari

RESEARCH GRANTS:

National Regulatory Research Institute. Financial support for paper network evolution impact on network reliability.

Russell Sage Foundation. Financial support for research on investments in broadband networks.

American Association of Retired Persons. Financial support for paper on pricing of telecommunications services under conditions of intermodal rivalry.

Ohio State University, National Regulatory Research Institute. Financial support for papers on costing and pricing standards.

BellSouth New Zealand. Financial support for developing cost model that compares economics of wireline and wireless technologies.

Ohio State University. Financial support for paper: "Telecommunications Infrastructure Investments and Joint Ventures by Regulated Telecommunications Firms. 1994.

American Association of Retired Persons, Financial Support for paper on pricing of voice telephone services. 1993.

Columbia University Graduate School of Business, Financial Support for paper and conference on pricing of interconnection between competing networks. 1993.

American Association of Retired Persons, Financial Support for paper on pricing of interconnection between competing networks. 1993.

Arthur H. Cole Grant-In-Aid. Economic History Association. Financial support for book: Telephone Regulation: Was it Needed in the First Place? Granted July 1990.

City University of New York. Financial support for book: Telephone Regulation: Was it Needed in the First Place? Granted 1989.

Ohio State University. Financial support for paper: "Telecommunication Network Simulation Modeling," Granted 1988.

SELECTED PAPERS AND PRESENTATIONS:

"Net Neutrality and Its' Repeal: Small Firms' Shareholders Shrug While Large Firms' Shareholders Turn," Telecommunications Policy Research Conference, September 2019.

"Incentivizing Investment in the Internet Ecosystem and Net Neutrality Regulation: Taking It to the Edge," Federal Communications Commission July 2018 and Telecommunications Policy Research Conference, September 2018.

"Technical Change, Convergence in the Telecommunications Industry, and Valuation," WSATA, Scottsdale, AZ, September 2016, and January 2017, Logan UT.

- “Are Traditional Taxi Firms Doomed? An Answer From The Capital Market,” American Economic Association Meetings, 2015.
- Federal Communications Commission, “Economic Rationales for PSTN Transition” December 14, 2011.
- “Sources of Market Power in Broadband,” Australia CCC, July 2008,
- “Universal Service,” (with Carolyn Gideon), Telecommunications Policy Research Conference, September 2006.
- “Retail Prices and Facility-Based Entry into the Telecommunications Market,” (with Carolyn Gideon). American Economic Association Meetings, 2006.
- “Universal Service,” Columbia University, October 21, 2005 (with Carolyn Gideon).
- “Broadband, Universal Service, and Competition,” Columbia University, June 2005.
- “An Econometric Analysis of the Factors that Influence the Deployment of Advanced Telecommunications Services,” Internet Use in America, Mexico City, June 2005.
- “Broadband and Universal Service,” “The Future of Broadband: Wired and Wireless?,” University of Florida. February 2005.
- “An Econometric Analysis of the Factors that Influence the Deployment of Advanced Telecommunications Services,” Federal Communications Commission, April 2004.
- “An Econometric Analysis of the Factors that Influence the Deployment of Advanced Telecommunications Services,” University of Florida, January 2004.
- An Econometric Analysis of the Factors that Influence the Deployment of Advanced Telecommunications Services,” American Economic Association Meetings, January 2003.
- “Why is There So Little Competition in the Provision of Local Telecommunications Services? An Examination of Alternative Approaches to End-User Access,” Telecommunications Policy Research Conference, September 2002.
- “Public Utility Pricing Theory,” Michigan State University Institute of Public Utilities, August 2002.

- “Developing a Unified Inter-Carrier Compensation Regime for U.S. Telecommunications Markets,” Institute of Public Utilities’ 33rd Annual Public Policy Conference, Williamsburg, October 2001.
- “Availability of Advanced Telecommunications Services in the United States,” N.A.R.U.C. Broadband Summit, Washington, D.C., October 2001.
- “Pricing of Interconnection,” Michigan State University Institute of Public Utilities,” Williamsburg, VA, October 2001.
- “Estimating the Factors that Influence the Deployment of Advanced Telecommunications Services,” (with Florence Kwan) Advanced Communications Access Technologies, Harvard University, November 2000.
- “Accessibility of Broadband Telecommunications Services by Various Segments of the American Population,” Telecommunications Policy Research Conference (with Florence Kwan), September 2000.
- “Current Issues in the Pricing of Telecommunications Services,” Telecommunications Policy Research Conference, September 2000.
- “The Emerging Legal and Regulatory Classification for Broadband Communications,” National Association of Regulatory Utility Commissioners, Summer Program, Michigan State University, August 2000 (with Bob Rowe).
- “Modeling the Rollout of High-Speed Access to the Internet,” Federal Communications Commission Section 706 hearings, May 2000; MIT Center for Technology, Policy & Industrial Development, July 2000.
- “Cost Modeling and Investment: What do the Numbers Say?,” Center for Telecommunications Systems Management, Murray State University, October 1999.
- “Cost Models and Incentive Regulation in Competitive Telecom Networks,” Instituto das Comunicascões de Portugal, Lisbon, June 1999.
- “Proxy Models: A Status Report,” Rural Task Force, June 25, 1999, Washington, D.C.
- “Implementing the 1996 Telecommunications Act.” Rhode Island Public Utilities Commission. November 5, 1998; New Mexico Public Regulatory Commission, February 5, 1999.

- “Proxy Models and the Funding of Universal Service,” (with Scott Kennedy) Telecommunications Policy Research Conference, Alexandria, Virginia, October 1998.
- “Pricing of Interconnection,” Instituto das Comunicascões de Portugal, Lisbon, June 1998.
- “The Application of Cost Data in the Telecommunications Industry,” (with Richard Gabel), Telecommunications Policy Research Conference, Alexandria, Virginia, October 1997.
- “Estimating the Cost of Switching and Outside Plant Using Publicly Available Data,” Federal Communications Commission, August 20, 1997.
- “Interconnection and Unbundled Services,” National Association of Regulatory Utility Commissioners, Summer Program, Michigan State University, August 1997 and August 1998.
- “The Role of Costs in the Establishment of Fair Rates.” Wissenschaftliches Institut für Kommunikationsdienste. April 1997.
- Panelist at Federal Communications Commission Workshop on Cost Proxy Models.
- “Household Financing of the First 100 Feet: Some Observations,” with Milton Mueller, The First 100 Feet Options for Internet and Broadband Access, Freedom Forum, October 1996.
- “The Effect of Cellular Service on the Cost Structure of a Land-Based Telephone Network,” (with Mark Kennet), Telecommunications Policy Research Conference, October 1996.
- “Cost Allocation Methods and Approaches,” National Association of Regulatory Utility Commissioners, Summer Program, Michigan State University, August 1996.
- “Is Residential Telephone Service Subsidized? Moving Past the Rhetoric Through an Empirical Analysis of the Cost and Revenue Associated with the Kiwi Share.” TUANZ Universal Share Obligation Conference, Auckland, New Zealand, July 1996.
- “Parametric and Non-Parametric Estimates of the Cost Structure of the Telephone Industry.” (with Mark Kennet and Keith Heyen). Advanced Workshop in Regulation and Public Utility Economics, May 1996.

- "Interconnection in a Network of Networks," Michigan State University Institute of Public Utilities," Williamsburg, VA, December 1995.
- "Universal Service: The Competitive and Historical Context," New York Law School, "Universal Service in Context: A Multidisciplinary Perspective," December 1995.
- "Is the Provision of Universal Service an Obligation?" International Telecommunications Society Conference, Wellington, New Zealand, October, 1995.
- "Measuring the Cost of Video and Voice Services on a Broadband Network," National Association of Regulatory Utility Commissioners, Michigan State University, August 1995.
- "Historical Perspectives on Competition between Local Operating Companies: The United States, 1894-1914," Conference on Interconnection of Networks held by the University of Auckland, April 1995.
- "Privatization, Deregulation, and Competition: How Government Policy Influences Infrastructure Investments and Corporate Strategy," University of Michigan School of Business Administration, March 1995.
- "Interconnection of Competing Local Telephone Companies: An Historical Analysis." 22nd Annual Telecommunications Policy Research Conference, October 1994.
- "Cost Allocations, Recovering Joint Costs, and the Shapley Value," 5th Annual BRIC Conference, Columbus, Ohio, September 1994.
- "Parametric and Non-Parametric Estimates of the Cost Structure of the Telephone Industry." (with Mark Kennet). Econometrics Society, January 1994.
- "Historical Perspectives on Interconnection between Competing Local Exchange Companies," (with David Weiman), Columbia University Graduate School of Business, November 1993.
- "Investments in Regulated Utilities: Shareholder versus Customer Risk" (with Joan Nix). American Economic Association. January 1993.
- "Pricing of Telecommunications Services in a Competitive Market" (with Joan Nix). Economic History Association. September 1992.

- "Competition in a Network Industry: The Telephone Industry, 1894-1917," Federal Trade Commission, March 1992.
- "Private Telecommunications Networks: An Historical Perspective." Columbia University Center for Telecommunications and Information Studies Conference, "Private Networks," October 1991.
- "Estimating the Cost of the Local Telephone Network," with Mark Kennet, Nineteenth Annual Telecommunications Policy Research Conference. September 1991.
- "Local-Exchange Costs and Possible Deregulation," with Mark Kennet, American Economic Association Meetings, December 1990 and Southern Economic Association Meetings, November 1990.
- "Federalism: An Historical Perspective," Columbia University Center for Telecommunications and Information Studies Conference, "Regulatory Federalism in Telecommunications: Anachronism or Laboratory?," October 1990.
- "Using A Process Model to Evaluate the Cost Structure of the Telephone Industry," Ohio State University Symposium on Marginal Cost Studies of the Telecommunications Industry, August 1990.
- "The Cost of Competition in the Telecommunications Industry." Paper presented at the 1990 Cliometrics Conference.
- "Measuring the Cost of Technological Change in the Telecommunications Industry." Rutgers University Conference on Public Utility Regulation. May 1990.
- "Competition in a Network Industry: The Telephone Industry, 1894-1917," Columbia University Economic History Seminar, February 1990.
- "An Application of Stand-Alone Costs to the Telecommunications Industry," Paper presented at the 1989 Michigan State University Conference on Public Utility Regulation.
- "Joint Costs Arising From Technological Change--Recovering the Costs of the Information Age Infrastructure," paper presented at Columbia University symposium on integrated broadband networks, February 1989.
- "Telecommunications Cost Modeling." Series of lectures presented at the National Regulatory Research Institute, Ohio State University, Summer 1988.

"Where Was the White Knight When the Competition Needed One?" Paper presented at the 1988 Economic History Association Meeting.

"Deregulation: Is the Local Telephone Market Next?" Paper presented at the 1987 American Economic Association Meeting.