

STEVEN WALTER USSELMAN

Education

Ph.D. University of Delaware, History, 1985

M.A. University of Delaware, History, 1981

B.A. University of California at San Diego, Bioengineering and History, 1979

Employment

Associate Professor of History, Georgia Institute of Technology, 1996-

Associate Director for Research, Center for Paper Business and Industry Studies, 2003-

Graduate Coordinator, 1996-2002

Associate Professor of History, University of North Carolina at Charlotte, 1992-1995

Graduate Coordinator, 1993-1995

Assistant Professor of History, University of North Carolina at Charlotte, 1986-1992.

Historical Consultant, International Business Machines Corporation, 1985-86.

Visiting Assistant Professor of History, University of Maine at Orono, 1984-85.

Visiting Instructor of History, Virginia Polytechnic Institute and State University, 1982-1983.

Teaching

Courses Taught:

United States History I and II

Electrical Engineering in American Life (team-taught with engineering professor)

Technology in the Industrial West I and II

Technology and the Shaping of America

Law, Technology, and Politics

American Business History

American Economic History I and II

The Automobile and American Life

Technology and the American South

Innovation in America

Computerization and Society

Proseminar in the History of Technology I and II

Seminar in Technology and American Culture

Seminar in American Political Economy

Seminar in High Technology and Regional Development (team-taught via Internet2 with Professor Tim Lenoir of Stanford University)

Other Educational Activities:

Developed “virtual” team-taught seminar courses in science and technology studies, linked via Internet2 with Professor Timothy Lenoir of Stanford University, 1999-.

Participant, Illinois Institute of Technology initiative on ABET 2000 and engineering education, 1999.

Coordinator, initiative to create electronic discussion groups in U.S. History surveys, 1998.

Liaison to Georgia Stories, web-based instructional tools developed by Georgia Public Television and Georgia Tech's Center for Education Integrating Science, Mathematics, and Computing (CEISMC), 1997-

Recipient of NSF SUCCEED grant to develop interdisciplinary course in engineering and social science, taught regularly since 1997.

Publications

Books:

Regulating Railroad Innovation: Business, Technology, and Politics in America, 1840-1920 (Cambridge University Press, 2002). Hardback and paperback. Awarded the 2003 Ellis W. Hawley Prize by the Organization of American Historians and the 2003 Hilton Prize in Transportation History.

In progress: The Challenge of Remaining Innovative: Lessons from Twentieth Century American Business (tentative title), collection introduced and edited with Professors Naomi Lamoreaux and Sally Clarke, reviewed and contracted to Stanford University Press, summer 2006.

In progress: IBM and the Business of Innovation in American Computing (tentative title), under consideration by Cambridge University Press.

Articles and Book Chapters:

"Unbundling IBM: Antitrust and the Incentives to Innovation in American Computing," submitted to Stanford University Press in March 2006 as part of The Challenge of Remaining Innovative.

"Learning the Hard Way: IBM and the Sources of Innovation in American Computing," in Naomi R. Lamoreaux and Kenneth Sokoloff, eds., Financing Innovation in the United States, 1871 to the Present (Cambridge, Mass.: MIT Press), pp. 317-363.

"Mediating Innovation: Reflections on the Complex Relations of User and Supplier," Enterprise and Society 7 (2006): 477-484.

"Still Visible: Classics Revisited, Alfred Chandler's The Visible Hand: The Managerial Revolution in American Business," Technology and Culture 47 (2006): 584-596.

"Mastering Technology, Channeling Change: The Testing Laboratory at the Pennsylvania Railroad," in Regina Lee Blaszczyk and Philip B. Scranton, eds., Major Problems in American Business History (Boston: Houghton Mifflin, 2006), pp. 226-231. Excerpted from Regulating Railroad Innovation.

"Patent Politics: Intellectual Property, the Railroad Industry, and the Problem of Monopoly," Journal of Policy History 18,1(2006): 96-125. With Richard R. John. Reprinted in Richard R. John, ed., Ruling Passions: Political Economy in Nineteenth-Century America (University Park, PA: Penn State University Press, 2006), pp. 96-125.

"Public Policies, Private Platforms: Antitrust and American Computing," in Richard C. Coopey, ed.,

Information Technology Policy (Oxford University Press, 2004), pp. 97-120.

“Leadership and Cognition: Or, What Could Those Folks at the Top Have Been Thinking,” Ch. 24 of Constance E. Helfat, ed., The SMS Blackwell Handbook of Organizational Capabilities: Emergence, Development, and Change (Oxford: Blackwell, 2003).

“Review Essay: *Inventing America, A History of the United States*,” Business History Review 77 (2003): 731-737.

“History in Engineering Education: A Field Report,” Proceedings of the American Society of Engineering Education (2001). Co-authored with W. Russell Callen.

“Trying to Keep the Customers Stratified: Government, Business, and the Paths of Innovation in American Railroading and Computing,” Journal of Industrial History Vol. 2, No. 1 (1999): 1-21.

“Patents, Engineering Professionals, and the Pipelines of Innovation: The Internalization of Technical Discovery by Nineteenth-Century American Railroads,” in Naomi R. Lamoreaux, et. al., eds., Learning by Doing in Markets, Firms, and Countries (University of Chicago Press and NBER, 1999), pp. 61-91.

“Fostering a Capacity for Compromise: Business, Government, and the Stages of Innovation in American Computing,” Annals of the History of Computing Vol. 18, No. 2 (Summer 1996): 30-39.

“Computer and Communications Technology,” in Stanley Kutler, ed., The Encyclopedia of the United States in the Twentieth Century (Scribner’s, 1996), pp. 799-829.

“Selecting Flexible Champions: Markets, Firms, and Public Policies in the Evolution of Computing in the U.S., U.K., and Japan,” The Journal of Business Studies (Ryukoku University) Vol. 35, No. 1 (June 1995): 27-43.

“Determining a Middle Landscape: Competing Narratives in the History of Technology,” Reviews in American History 23 (1995): 370-377.

“Changing Embedded Systems: The Economics and Politics of Innovation in American Railroad Signaling, 1876-1914,” in Jane Summerton, ed., Large Technical Systems in Change (Boulder, CO: Westview Press, 1994), pp. 93-116.

“IBM and Its Imitators: Organizational Capabilities and the Emergence of the International Computer Industry” Business and Economic History Vol. 22, No. 2 (Fall 1993): 1-35. Reprinted in David E. H. Edgerton, ed., Industrial Research and Innovation in Business (Edward Elgar, 1996), pp. 452-486, and David J. Jeremy and Geoffrey Tweedale, eds., Business History (Sage Publications, 2004). Awarded the Newcomen Prize by the Business History Conference.

“From Novelty to Utility: George Westinghouse and the Business of Innovation during the Age of Edison,” Business History Review 66 (Summer 1992): 251-304.

“The Lure of Technology and the Appeal of Order: Railroad Safety Regulation in Nineteenth Century America,” Business and Economic History, 2d Series, Volume 21 (1992): 290-299.

“Patents Purloined: Railroads, Inventors, and the Diffusion of Innovation in Nineteenth Century America,” Technology and Culture 32 (October 1991): 1047-1075.

“Organizing a Market for Innovation: Patent Pools and Patent Politics on American Railroads, 1860-1900,” Business and Economic History, Series, Volume 19 (1990): 203-212.

“Running the Machine: The Management of Innovation on American Railroads, 1860-1910,” Business and Economic History 2d Series, 17 (1988): 213-218.

“Air Brakes for Freight Trains: Technological Innovation in the American Railroad Industry, 1869-1901,” Business History Review 58 (Spring 1984): 30-50. Awarded the Newcomen Prize.

“Scientific Management without Taylor: Management Innovations at Bancroft, 1911-1927,” Working Papers of the Regional Economic History Research Center, Vol. 4, No. 4(1981): 47-77.

Reviews and Miscellany:

The Railroad and the State: War, Politics, and Technology in Nineteenth-Century America, by Robert G. Angevine, Journal of American History 92 (2005): 622-623.

The Watson Dynasty: The Fiery Reign and Troubled Legacy of IBM’s Founding Father and Son, by Richard S. Tedlow, and The Maverick and His Machine: Thomas Watson, Sr., and the Making of IBM, by Kevin Maney, Enterprise and Society 6 (2005): 184-189.

Territories of Profit: Communications, Capitalist Development, and the Innovative Enterprises of G.F. Swift and Dell Computer, by Gary Fields, Journal of Economic History 64 (2004): 1148-1150.

Mechanizing Proof: Computing, Risk, and Trust, by Donald MacKenzie, Technology and Culture 45 (2004): 893-895.

A History of Modern Computing, Second Edition, by Paul E. Ceruzzi, Journal of Economic History 64 (2004): 632-633.

Railroads and American Law, by James W. Ely, Jr., Technology and Culture 44 (2003): 824-825.

Inventing America: A History of the United States, by Merritt Roe Smith, et.al., Business History Review 77 (2003): 731-737.

From Silicon Valley to Singapore: Location and Competitive Advantage in the Hard Disk Drive Industry, by David G. McKendrick, et.al., Business History Review 76 (2002): 226-228.

“Thomas J. Watson, Jr.,” The Scribner Encyclopedia of American Lives, Volume Three, 1991-1993 (Charles Scribner’s Sons, 2001), pp. 549-552.

The One Best Way, by Robert Kanigel, ISIS 91 (December 2000): 818-819.

The Closed World: Computers and the Politics of Discourse in Cold War America, by Paul N. Edwards, Technology and Culture 38 (October 1997): 1008-1010.

The Baldwin Locomotive Works, 1831-1915: A Study in American Industrial Practice, by Jack K. Brown, Journal of Economic History (1996): 250-251.

Building IBM: Shaping an Industry and its Technology, by Emerson W. Pugh, Business History Review 69 (1995): 443-445.

Does Technology Drive History?: The Dilemma of Technological Determinism, by Merritt Roe Smith and Leo Marx, eds., and Future Imperfect: The Mixed Blessings of Technology in America, by Howard P. Segal, Reviews in American History 23 (1995): 370-377.

“Sherman Mills Fairchild,” Dictionary of American Biography, Supplement Nine, pp. 273-274.

Before the Computer: IBM, NCR, Burroughs, and Remington Rand and the Industry They Created, 1865-1956, by James W. Cortada, American Scientist 82 (March-April 1994): 192-193.

Daniel Willard and Progressive Management on the Baltimore & Ohio Railroad, by David M. Vrooman, Technology and Culture 34 (April 1993): 432-434.

International Technology Transfer: Europe, Japan, and the USA, 1700-1914, ed. by David J. Jeremy, Business History Review 66 (Summer 1992): 405-407.

Innovation as a Social Process: Elihu Thomson and the Rise of General Electric, 1870-1900, by W. Bernard Carlson, Science 258 (December 1992): 1967-1969.

ICL: A Business and Technical History, by Martin Campbell-Kelly and Innovating for Failure: Government Policy and the Early British Computer Industry, by John Hendry, Business History Review 64 (Summer 1990): 367-371.

60 Years With Men and Machines, by Fred H. Colvin, Technology in Culture 31 (April 1990): 322-324.

Claudius Crozet: French Engineer in America, 1790-1864, by Robert F. Hunter and Edwin L. Dooley, Jr., The North Carolina Historical Review LXVIII (April 1990): 269-270.

The Men and The Mills: A History of the Southern Textile Industry, by Mildred Guin Andrews, Charlotte Observer, February 1989.

The World of the Industrial Revolution: Comparative Aspects of Industrialization, ed. by Robert Weible, Technology and Culture 29 (Oct. 1988): 966-968.

Emulation and Invention, by Brooke Hindle, Journal of the Early Republic 3 (1983): 237-39.

Presentations

“Maintaining Creative Boundaries: The Enduring Vitality of Institutions and History,” presented at a panel on The State of Field: Business History, Organization of American Historians, Minneapolis, MN, March 31, 2007.

Comment on “High Tech Manufacturing,” Annual Meeting of the Society for the History of Technology, Las Vegas, NV, October 13, 2006.

“Global Governance in Pulp and Paper: On the Weakening of Nation-States in the Information Age,”

invited conference presentation, Boalt Hall School of Law, University of California, Berkeley, September 15, 2006.

“Global Governance in Pulp and Paper: An Exploration of Manuel Castell’s *The Information Age*,” Business History Conference, Toronto, June 10, 2006.

“Reflections on the Field,” Plenary Summary Comment at Public Symposium Appraising Arthur Norberg’s Quarter-Century in Computing History, Charles Babbage Foundation, Minneapolis, June 3, 2006.

Comment at “How Business Users Shaped Modern Technology...and Vice Versa,” Hagley Museum and Library Symposium, March 10, 2006.

“The Effects of Competitive Environment, Regulation, and Innovation on Industry Structure: A North American Perspective,” invited presentation at Game Global Conference, Lappeenranta Technical University, Finland, November 14, 2005.

Comment on “Nota Bene: SHOT Meets Theory,” Society for the History of Technology, Minneapolis, November 6, 2005.

Comment on “New England Enterprise in Transition,” Business History Conference, Minneapolis, May 21, 2005.

Panelist (with Richard White) on “Railroads and the American West,” Organization of American Historians, San Jose, CA, April 3, 2005.

“Antitrust and the Paper Industry: Lessons from History,” Technical Association of the Pulp and Paper Industries (TAPPI), Atlanta, GA, November 1, 2004.

Comment on “Business and the Legal Control of Technology, 1850-1950,” Society for the History of Technology, Amsterdam, October 2004.

“Antitrust and Innovation Policy in Early Cold War America: The Case of Computing,” Economic History Association, San Jose, CA, September 10, 2004.

“Antitrust and Innovation: Industrial Policy for the American Century,” Policy History Conference, St. Louis, MO, May 21, 2004.

“Antitrust and Technology Policy in Cold War America,” presented at the University of Delaware History Workshop in Technology, Society, and Culture, Newark, DE, April 27, 2004.

“Public Policies, Private Platforms: Antitrust and American Computing,” presented at the Washington Area Economic History Seminar, College Park, MD, February 27, 2004.

“The Development of High Technology in Atlanta,” presented at the regional meeting of the Institute of Electrical and Electronics Engineers (IEEE), Atlanta, GA, January 28, 2004.

“Understanding the Pennsylvania Railroad and Its People,” presented at the Hagley Museum and Library Conference on The Pennsylvania Railroad and Its Archives: Their History and Legacy, December 5,

2003.

“Public Policies, Private Platforms: Antitrust and American Computing,” presented at the Von Grep Workshop in Economic History, UCLA, May 14, 2003.

“Learning the Hard Way: IBM and the Sources of Innovation in Early Computing,” presented at the Social Science Research Council (SSRC) Conference on Financing Technological Innovations, Irvine, CA, March 21-22, 2003.

“Unbundling Computing: IBM, Antitrust, and the Organization of Innovation,” presented at the conference Organizing for Innovation, The Johns Hopkins University, Baltimore, October 25-26, 2002.

“The Computer Hardware Industry,” Conference on Financing Technological Innovations, Social Science Research Council (SSRC), New York, May 10, 2002.

“Remaking IBM: Riding the Waves of Innovation in Modern Computing,” Hagley Research Seminar, Hagley Museum and Library, April 4, 2002.

“Making Invention Anonymous and Autonomous: Patent Law and American Railroads,” Center for the Study of Law and Society, Boalt Hall School of Law, UC Berkeley, March 5, 2002.

Participant in plenary panel, “National Identity in an Age of Global Convergence,” Finnish History Congress, Lahti, Finland, February 9, 2002.

“Unraveling the Mysteries of Silicon Valley,” invited keynote address, Finnish History Congress, Lahti, Finland, February 8, 2002.

Comment at “Liable for Innovation: The State, Law, and Technology,” Society for the History of Technology, San Jose, California, October 6, 2001.

“History in Engineering Education: A Field Report,” presented with W. Russell Callen at the Annual Meeting of the American Society of Engineering Education, Albuquerque, June 2001.

“Historical and Economic Perspectives on Biotechnology,” presented to the plenary session of the Blue Skies Conference on Biotechnology, Georgia Institute of Technology, June 2001.

Comment at “Business and Technology,” Business History Conference, Miami, April 21, 2001.

“Unbundling--Economic Analysis,” presented at the Charles Babbage Institute’s conference “Unbundling History: The Emergence of the Software Product,” Xerox Palo Alto Research Center, September 22-23, 2000.

“Government and the American Computer Industry,” presented at the annual meeting of the Economic History Association, Los Angeles, Sept. 8-10, 2000.

“Teaching the History of Technology Using new Interactive Media,” presented at the annual meeting of the Society for the History of Technology, Munich, August 17-20, 2000.

Comment on “Computers Rule: Cybernetics, Networks and Political Considerations,” presented at the Annual Meeting of the Society for the History of Technology, Detroit, October 9, 1999.

Comment on “Organizational Capabilities and Technological Change,” presented at the meeting of the Consortium on Competition and Cooperation, Dartmouth College, September 24-25, 1999.

“Public Policies, Private Platforms: Government and the Structure of American Information Technology,” presented at the conference “Information Technology Policy: Global Perspectives,” London School of Economics, July 22-24, 1999.

“Making Waves in the Computer Business,” presented at the All-UC Economic History Conference, Santa Clara, March 20-22, 1998.

“Political Economy,” presented at roundtable session “Technology Matters,” Southern Historical Association, Atlanta, November 11, 1997.

Comments on “Industrial Shaping of Semiconductor Technology,” presented at the annual meeting of the Society for the History of Technology, Pasadena, October 18, 1997.

“Trying to Keep the Customers Stratified: Government, Business, and the Paths of Innovation in American Railroad and Computing,” presented at the Business History Conference, Glasgow, July 4, 1997.

“IBM: Making Waves in the Computer Business,” presented at the conference “Understanding Innovation” held jointly by the Department of History and the Institute for Applied Economics and the Study of Business Enterprise, Johns Hopkins University, Baltimore, June 6-7, 1997.

“Patent Safety Remedies: The Challenge of Exhibiting Technical Choice,” presented at the symposium on Transportation, National Museum of American History, Smithsonian Institution, Washington, D.C., November 7-8, 1996

“Patents, Engineering Professionals, and the Paths of Innovation: Internalization of Technical Discovery on Nineteenth Century American Railroads,” presented at the National Bureau of Economic Research Conference on Business History, Cambridge, Mass., October 10-11, 1996.

“Periodization,” presented at the conference “Rethinking Business History,” Center for the Study of Business and Technology, Hagley Museum and Library, June 1, 1996.

“Logical Leap?: IBM and the Critical Transitions in Data Processing,” presented at the conference “Innovative Organizations,” Johns Hopkins University, May 28-29, 1996.

“Internalization of Technical Discovery on American Railroads,” presented at the National Bureau of Economic Research Preconference on Business History, Cambridge, Mass., May 17-18, 1996.

“The Untimely Enshrinement of Engineering: Railroads and Their Regulators in Progressive Era America,” presented to Seminar in the Comparative History of Labor, Industry, Technology, and Society, Atlanta, April 14, 1996.

“Patents and the Paths of Innovation in American Railroad, 1846-1900,” presented at the annual meeting of the Economic History Association, Chicago, September 10, 1995.

Comments on “New Perspectives on the Structure and Status of Firms,” a session presented at the

Business History Conference, Ft. Lauderdale, March 18, 1995.

“Restructuring the Markets for Innovation: Patents and the Course of Technical Change on American Railroads, 1846-1900,” presented at the Von Grepf Seminar in Economic and Entrepreneurial History, UCLA, February 15, 1995.

“Was Railroading a Science?: Chemists and Research on American Railroads, 1875-1914,” presented to the Seminar in the History of Science and Technology at Duke University, November 1994.

“Selecting Flexible Champions: Markets, Firms, and Public Policies in the Evolution of Computing in the U.S., U.K., and Japan,” presented at the Eleventh International Economic History Congress, Milan, September 15, 1994.

“Mixed Signals: The Annoying Allure of Automatic Train Control for American Railroads,” presented at the annual meeting of the Society for the History of Technology, Washington, D.C., October 15, 1993.

“IBM and Its Imitators,” presented at the Business History Conference, Boston, March 19-21, 1993.

“Securing a Place for Chemistry: Charles Benjamin Dudley, the ACS, and the Baconian Ideal in America, 1875-1909,” presented at the 205th annual meeting of the American Chemical Society, Denver, March 29, 1993.

“Domestic Markets, Organizational Capabilities, and the Development of Computing Technology: An International Comparison,” presented at the University Research Seminar on Technology and Social Change, Carnegie Mellon University, October 28, 1992.

“Domestic Markets and the Development of Computing Technology: An International Comparison,” presented at the Annual Meeting of the Society for the History of Technology, Uppsala, Sweden, August 1992.

“Reconfiguring One System to Preserve Another: Signaling Technology and American Railroads, 1887-1914,” presented at the Fourth International Conference on Large Technical Systems, Vadstena, Sweden, August 6-11, 1992.

“The Lure of Technology and the Appeal of Order: Railroad Safety Regulation in Nineteenth Century America,” presented at the Business History Conference, Pasadena, California, March 6, 1992.

“U.S.-Japanese Trade Relations,” presented as part of Great Decisions, Jewish Community Center, Charlotte, NC, February 19, 1991.

Comment on session “Technological Innovation,” Business History Conference, Toronto, Canada, March 22-24, 1991.

“Markets and Patents: Perspectives from the Railroad Industry,” Triangle Economic History Workshop, April 5, 1990.

“Organizing a Market for Innovation: Patent Pools and Patent Politics on American Railroads, 1860-1900,” presented at the Business History Conference, Baltimore, Maryland, March 24, 1990.

Comment on “The Business Context of Engineering,” presented at annual meeting of the Society for the

History of Technology, Sacramento, CA, October 23, 1989.

“Marketing, Centralized Production, and Changing Technology at IBM: The Origins of System/360,” presented at The Business History Seminar, Graduate School of Business Administration, Harvard University, February 6, 1989.

“Running the Machine: The Management of Technological Innovation on American Railroads, 1860-1910,” presented at the Business History Conference, Atlanta, March 18, 1988.

“Making Invention Anonymous and Innocuous: Railroad Patent Policies, 1860-1900,” presented at the annual meeting of the Society for the History of Technology and the History of Science Society, Raleigh, NC, October 31, 1987.

Comment on “Corporate History: the Role of Litigation Research,” at the annual meeting of the Southern Historical Association, Charlotte, November 14, 1986.

“Synergy in System: American Railroads and Professional Engineers, 1870-1910,” public lecture at the University of North Carolina at Charlotte, October 31, 1985.

“Science, Systems, and Standards: Chemists and American Railroads 1875-1910,” presented at the annual meeting of the American Chemical Society, Philadelphia, August 27, 1984.

“Standardizing Technological Change: Rails, Railroads, and Steelmakers,” presented to the University of Pennsylvania Seminar in The History and Sociology of Science, November 1983.

“The Curse of Bigness?: The Introduction of Steel Rails by American Railroads, 1860-1880,” presented at the University of Delaware History of Technology Luncheon Seminar, September 29, 1983.

“Science and the Nation’s First Big Business: Charles B. Dudley and the Pennsylvania Railroad,” presented at the Annual Meeting of the Society for the History of Technology, Philadelphia, October 23, 1982.

“Technological Change in the American Railroad Industry, 1850-1910,” presented to the weekly seminar of the Center for the Study of Science in Society, Virginia Polytechnic Institute and State University, June 1982.

“Scientific Management at Joseph Bancroft and Sons Textile Company, 1911-1927,” presented to the Joint Seminar of the Regional Economic History Research Center and the Mid-Atlantic Social History Group, March 25, 1980.

“Introduction and Diffusion of the Westinghouse Air Brake,” presented at the University of Delaware History of Technology Luncheon Seminar, September 1979.

Memberships and Professional Service

Society for the History of Technology, 1979-
President, 2007-2008 (elected)
Vice-President/President-Elect, 2005-2006 (elected)
Local Arrangements Committee, Chair, 2003.
Executive Council, 2002-2004 (elected)

Chair, Membership Committee, 2002-2004
Editorial Committee, 1993-98 (elected)
Chair, 1996-98
Levinson Prize Committee, 1991-1993
Chair, 1993
Business History Conference, 1984-
Program Committee, Chair, 2005 Annual Meeting
Krooss Dissertation Prize Committee, 2002 and 2003
Nominating Committee, 2002-2004 (elected)
Rovensky Fellowship Prize Committee, 2003-
Board of Trustees, 1996-1999 (elected)
Organization of American Historians, 1980-
Editorial Board, Enterprise and Society, 1999-
Article referee for Business History Review, Canadian Journal of History, Configurations, Enterprise and Society, Explorations in Economic History, History and Technology, Journal of American History, Journal of Economic History, Journal of Urban History, Minerva, and Technology and Culture.
Mss. reviewer for Cambridge University Press, Columbia University Press, Harper Collins, Johns Hopkins University Press, MIT Press, Ohio State University Press, Princeton University Press, and University of North Carolina Press.
Consultant, Charles Babbage Institute Guide to Research in Business Archives, 1988.

Fellowships, Prizes, and Awards

Vice President/President-Elect, Society for the History of Technology, 2005-2008
Harold C. Williamson Mid-Career Award, Business History Conference, 2004
Ellis W. Hawley Book Prize, Organization of American Historians, 2003
George W. and Constance M. Hilton Book Prize, Railroad and Locomotive Historical Society, 2003
E. Roe Stampps Excellence in Teaching Award, Ivan Allen College, 1999
Newcomen Paper Prize, Business History Conference, 1993
IBM Postdoctoral Fellowship, 1985-86
Newcomen Article Prize, Business History Review, 1984.
Newberry Library Research Fellowship, 1983.
University of Delaware Graduate Competitive Fellowship, 1981-82.
Hagley Fellow, University of Delaware, 1979-83.

Grants

Sloan Center for Paper Business and Industry Studies, 2004-2005 (\$14,000)
NSF Dissertation Improvement Grant (Prakash Kumar), 2003-2004 (\$10,870)
Sloan Center for Paper Business and Industry Studies, 2001-2004 (\$167,000)
Georgia Tech Foundation Faculty Research Grants, 1997, 1999, 2004
Board of Regents Instructional Improvement Grant, 1997-98
NSF SUCCEED Grant, 1996-1997
NSF Dissertation Improvement Grant (Aristotle Tympas), 1996-97 (\$8,000)
UNCC Reassignment of Duties Leave, Spring 1995
UNCC Foundation Faculty Research Grants, 1987, 1988, 1989, 1990, 1992, 1993, and 1994
IBM Postdoctoral Research Fellow, 1985-86
Newberry Library Research Fellow, Spring 1983