

## **ROBERT W. CRANDALL**

### CURRENT POSITION:

Senior Fellow, The Brookings Institution, 1978 - Present

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### FIELDS OF SPECIALIZATION:

Industrial Organization, Antitrust Policy, Regulation

### PREVIOUS POSITIONS:

Adjunct Professor, School of Public Affairs, University of Maryland, 1987 - 1993  
Deputy Director, Council on Wage and Price Stability, 1977 - 1978  
Acting Director, Council on Wage and Price Stability, 1977  
Adjunct Associate Professor of Economics, George Washington University, 1975 - 1977  
Assistant Director, Council on Wage and Price Stability, 1975 - 1977  
Associate Professor of Economics, M.I.T., 1972 - 1974  
Assistant Professor of Economics, M.I.T., 1966 - 1972  
Johnson Research Fellow, The Brookings Institution, 1965 - 1966  
Instructor, Northwestern University, 1964 - 1965  
Consultant to Environmental Protection Agency, Antitrust Division Federal Trade Commission, Treasury Department, various years

### EDUCATION:

Ph.D., Economics, Northwestern University, 1968  
M.A., Economics, Northwestern University, 1965  
A.B., Economics, University of Cincinnati, 1962

HONORS and AWARDS:

Phi Beta Kappa

MEMBERSHIPS:

American Economic Association  
Board of Directors, Baltimore Life Insurance Company  
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PERSONAL DATA:

Place and Date of Birth: Akron, Ohio; February 28, 1940

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PUBLICATIONS:

**Books:**

*Competition and Chaos: U.S. Telecommunications since the 1996 Act.* Washington, DC: The Brookings Institution, 2005.

*Broadband: Should We Regulate High-Speed Internet Access?* (edited with James Alleman), AEI Brookings Joint Center for Regulatory Studies, 2002.

*Telecommunications Liberalization on Two Sides of the Atlantic.* (with Martin Cave) AEI Brookings Joint Center for Regulatory Studies, 2001.

*Who Pays for Universal Service? When Telephone Subsidies Become Transparent.* (with Leonard Waverman) Washington: The Brookings Institution, 2000.

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*Talk is Cheap: The Promise of Regulatory Reform in North American Telecommunications.* (with Leonard Waverman) Washington: The Brookings Institution, 1996.

*The Extra Mile: Rethinking Energy Policy for Automotive Transportation.* (with Pietro S. Nivola) Washington, DC: The Brookings Institution/Twentieth Century Fund, 1995.

*Manufacturing on the Move.* Washington, DC: The Brookings Institution, 1993.

*After the Breakup: The U.S. Telecommunications Industry in a More Competitive Era.* Washington, DC: The Brookings Institution, 1991.

*Changing the Rules: Technological Change, International Competition and Regulation in Communications.* (Edited with Kenneth Flamm), Washington, DC: The Brookings Institution, 1989.

*Up from the Ashes: The Rise of the Steel Minimill in the United States.* (With Donald F. Barnett), Washington, DC: The Brookings Institution, 1986.

*Regulating the Automobile.* (With Howard K. Gruenspecht, Theodore E. Keeler, and Lester B. Lave), Washington, DC: The Brookings Institution, 1986.

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*The Scientific Basis of Health and Safety Regulation.* (Ed. with Lester Lave), Washington, DC: The Brookings Institution, 1981.

*The U.S. Steel Industry in Recurrent Crisis.* Washington, DC: The Brookings Institution, 1981.

#### **Articles, Reports, and Contributions to Edited Volumes:**

"Is Mandatory Unbundling the Key to Increasing Broadband Penetration in Mexico? A Survey of International Evidence" (with J. Gregory Sidak), available at SSRN: <http://ssrn.com/abstract=996065>

"The Adverse Economic Effects of Spectrum Set-Asides" (with Alan T. Ingraham), *Canadian Journal of Law and Technology*, November 2007, pp. 131-40.

"Does Video Delivered Over a Telephone Network Require a Cable Franchise?" (with Hal J. Singer and J. Gregory Sidak) *Federal Communications Law Journal*, Vol. 59 (2007).

"Are Vertically Integrated DSL Providers Squeezing Unaffiliated ISPs (and Should We Care)?" (with Hal J. Singer), in *Access Pricing: Theory, Practice and Empirical Evidence*, Justus Haucap and Ralf Dewenter, eds., Elsevier Press, 2007.

"The Failure of Competitive Entry into Fixed-Line Telecommunications: Who Is at Fault?" (with Leonard Waverman) *Journal of Competition Law and Economics*, Vol 2, 2006, pp. 113-148.

"Broadband Communications," in *Handbook of Telecommunications Economics, Vol II*, Sumit K. Majumdar, Ingo Vogelsang, and Martin E. Cave (eds.), Elsevier, 2005.

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“Should Regulators Continue to Breathe Life into Unaffiliated ISPs?”(with Hal J. Singer), *Regulation*, 2005.

“Bandwidth for the People” (with Robert Hahn, Robert Litan, and Scott Wallsten), *Policy Review*, No. 127, October-November 2004.

“Internet Telephones: Hanging Up on Regulation,” with Robert W. Hahn, Robert E. Litan, and Scott Wallsten,” *The Milken Institute Review*, 2004-III, Vol. 6 No. 3, pp. 30-34.

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“Should Regulators Set Rates to Terminate Calls on Mobile Networks?”(with J. Gregory Sidak) *Yale Journal on Regulation*, 2004.

“Injunctive Relief in Sherman Act Monopolization Cases,” (with Kenneth G. Elzinga) *Research in Law and Economics*, Vol. 21, Elsevier, 2004, pp. 277-34.

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“Does Antitrust Policy Improve Consumer Welfare? Assessing the Evidence,” (with Clifford Winston) *Journal of Economic Perspectives*, Fall 2003, pp. 3-26

“The \$500 Billion Opportunity: The Potential Economic Benefit of Widespread Diffusion of Broadband Internet Access” (with Charles L. Jackson), in Allan L. Shampine (ed) *Down to the Wire: Studies in the Diffusion and Regulation of Telecommunications Technologies*, Nova Science Press, Haupaugge, NY, 2003

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