

Wayne A. Leighton

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- Economist experienced in academe, business and government, with deep knowledge of interplay between regulatory frameworks, political institutions, economic theory and market realities.
- Researcher with experience that includes the analysis of telecom policies in various countries, the application of economic theory to understand political outcomes, and the use of economic and political theory in the management of the largest privately held firm in the United States
- Trusted advisor and analyst with experience in evaluating options and negotiating key policies, including rules for the largest spectrum license auction in U.S. history, while serving top decision-makers of the Federal Communications Commission.

EMPLOYMENT

UNIVERSIDAD FRANCISCO MARROQUÍN

Guatemala City, Guatemala 1/10 - Present

Executive Director/Project Leader, The Antigua Forum

- Lead a project designed to educate highly leveraged political reformers from across the world, with an annual gathering focused on how to promote successful and sustainable market-liberal reforms.
- Work with the university's president and senior leaders to define the project's mission, set goals and deliverables with timelines, evaluate the results, and develop sustainable long-run strategy.
- Manage operations, including selection of invitees, design of format and structure for the event, oversight of logistics, and production of case studies and other research on reform efforts.
- Make public presentations about the Antigua Forum and other UFM projects to academic, business and government leaders in Guatemala and the United States.

Professor of Economics

- Teach seminars on management, economics, and political economy to students in the graduate school of business, in the law school, and in undergraduate programs.
- Lead seminars on Austrian Economics, Marxism, and Economics and Evolutionary Psychology, designed for faculty and senior university staff.

FRIENDS OF UFM

Indianapolis, Indiana 7/10 - Present

Secretary/Treasurer and Director

- Serve as part of a small group of directors for this U.S.-based 501(c)3 foundation dedicated to supporting scholarships and educational programs at Universidad Francisco Marroquín.
- Review financial donations made to UFM from donors based in the United States.
- Represent the university at academic and professional meetings and assist in fund-raising.

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**NAVIGANT ECONOMICS, LLC, AND EMPIRIS, LLC (Acquired by Navigant on 01/10)
Washington, DC 02/09 – Present**

Partner, Empiris, LLC (01/09 -12/09); Senior Expert, Navigant Economics (01/10 - Present)

- Provide expert economic analysis and advice to clients in the U.S. and abroad. Projects have included analysis of proposed network neutrality rules in the U.S., recommendation of service rules for the auction of wireless licenses in Mexico, estimation of the economic effects of spectrum aggregation limits in various countries Latin America, and analysis of rules regulating the wireless market in Namibia, Africa.

FEDERAL COMMUNICATIONS COMMISSION

Washington, DC 4/01 – 12/08 [On leave 07/04 – 07/05]

Special Advisor, Wireless and International Issues

Office of Commissioner Deborah Taylor Tate [07/07 – 11/08]

- Served as main advisor to the commissioner on wireless and international issues. Responsibilities included: 1) evaluating proposed rules and policies; 2) meeting with and summarizing proposals by Congress, industry, trade associations, and consumer groups; 3) negotiating policies and final rules with offices of other commissioners and the chairman; 4) voting on rules and overseeing their implementation; 5) representing the commissioner before the press, at events. Projects included:
- Rules and oversight of all spectrum auctions, including the 2008 auction of the 700 MHz band, the largest spectrum auction in U.S. history (approximately \$19 billion to the U.S. Treasury).
- Rules for commercial and public safety portions of the 700 MHz band, covering the band plan, technical specifications, build-out requirements, open access requirements, auctions-related issues, and a public/private partnership to promote interoperable broadband service for public safety.
- Proposed rules for the 2155-2175 MHz band (Advanced Wireless Services, “AWS-3 band”), to include service rules and technical requirements, with a focus on facilitating broadband services.
- Revised rules for the 2496-2690 MHz band (Educational Broadband Service / Broadband Radio Service), providing the regulatory framework for development of WiMax service in this band.
- Revised rules requiring commercial mobile radio service (CMRS) providers to convey location of 911 callers to public safety providers, and to maintain minimum back-up power capabilities.
- Analysis and review of transactions, including AT&T/Dobson, Goldman Sachs/Alltel, Verizon Wireless/Alltel, Verizon Wireless/Rural Cellular Corp., Sprint/Clearwire, and Sirius/XM.

Senior Advisor / Senior Economist, Wireless Telecommunications Bureau [04/01 – 07/07]

- Served as lead author of April 2007 Report & Order and Further Notice of Proposed Rulemaking for service rules for the 700 MHz band, and lead author of internal memo discussing options for these rules, including build-out requirements and the size of service areas and spectrum blocks.
- Provided economic analysis for team drafting new rules needed for the development of secondary markets in spectrum licenses. Drafted sections of Report & Order related to economic issues.
- Served as member of working groups advising the chairman’s Spectrum Policy Task Force, with focus on reviewing the rights and responsibilities necessary for promoting efficient spectrum use.
- Developed a “big picture” spectrum policy model for intra-agency discussion. Emphasizing the principles of flexibility and transferability, this model was used to advise various rulemakings.

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UNIVERSIDAD FRANCISCO MARROQUÍN

Guatemala City, Guatemala 7/04 – 7/05

Visiting Professor [On leave from the Federal Communications Commission, Washington, DC]

- Taught upper-level undergraduate courses, including Public Choice (Analysis of Non-Market Decision Making), Public Finance, and The Use of Knowledge in Economics and Management.
- Led development of a university-based initiative to apply economics to public policy issues in Guatemala. Directed, with university president, an international conference on spectrum policy.
- Conducted research on spectrum policy in Latin America (by grant from the Earhart Foundation).

COMMITTEE ON BANKING, HOUSING, AND URBAN AFFAIRS, U.S. SENATE

Washington, DC 4/99 – 12/00

Senior Economist

- Provided detailed analysis of key economic issues for the committee chairman, senators, and staff.
- Provided legislative assistance and served as lead analyst for legislation designed to promote local television service in rural areas (“LOCAL TV Act of 2000”).
- Served as lead analyst and principal author of extensive, multi-month study of federal programs to promote development of a commercial space launch vehicle.
- Wrote, often on short deadlines, detailed reviews of regulations proposed by the Federal Reserve, the Securities and Exchange Commission, and the Department of the Treasury.

CHARLES G. KOCH CHARITABLE FOUNDATION / KOCH INDUSTRIES, INC.

Wichita, KS, and Washington, DC 2/97 - 4/99

Executive Vice President, Charles G. Koch Charitable Foundation (10/97 - 4/99)

- Developed strategic plans and philanthropy focused on key policy areas and institutions, ranging from tax and environmental policy to university education programs.
- Led teams to define vision, create strategies, analyze opportunities, and measure progress.
- Served as project leader for multi-month strategy development in tax policy.
- Applied learning from development of tax strategy to develop environmental policy strategy.

Manager, Government Affairs, Koch Industries, Inc. (2/97 - 10/97)

- Integrated policy analysis with the firm’s comparative advantages to develop corporate strategy.
- Analyzed major environmental policy changes, then worked with company business leaders and government affairs to determine their impact on the company and formulate public response.

CITIZENS FOR A SOUND ECONOMY (CSE) AND CSE FOUNDATION

Washington, DC 6/94 - 1/97

Senior Economist for Regulatory Affairs (1/96 - 1/97), Adjunct Scholar (6/94 - 1/96)

- Responsible for developing policy positions and analysis of key telecommunications issues.
- Wrote numerous comments before the Federal Communications Commission in matters related to reform of access charges and universal service.
- Offered solutions to telecommunications policy issues at conferences, before the media, etc.

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GEORGE MASON UNIVERSITY / CENTER FOR MARKET PROCESSES
Fairfax, VA 8/92 - 5/96

Graduate Student, George Mason University (1992 - 1996)

Richard Gilder Fellow, Center for Market Processes (1993 - 1995)

EDUCATION

Ph.D. in Economics, George Mason University, Fairfax, VA, 1996

(Dissertation: “Consumers and Cross Subsidies: The Political Economy of State Telecommunications Regulation.” Committee Chair: Professor Robert D. Tollison)

M.A. in Economics, George Mason University, 1995

B.S. in Economics, Texas A&M University, College Station, TX, 1987

B.B.A. in Marketing, Texas A&M University, 1986

TEACHING EXPERIENCE

“Public Choice (Analysis of Non-Market Decision Making)”

Universidad Francisco Marroquín, 2012, 2011, 2010, 2005 (graduate- and undergraduate-level courses)

“Entrepreneurship and the Use of Incentives” (seminar)

Universidad Francisco Marroquín, 2012 (graduate-level course)

“Law and Economics”

Universidad Francisco Marroquín, 2011 (undergraduate-level course, co-taught with Albert Loan)

“Introductory Microeconomics”

Universidad Francisco Marroquín, 2010 (graduate-level course)

“Market-Based Management”

Universidad Francisco Marroquín (Guatemala) and Corporate Training International (Argentina), 2007 (on-line, graduate-level course, co-taught with Juan Carlos Cachanosky and Martín Krause)

“Public Finance”

Francisco Marroquín University, 2004 - 2005 (undergraduate-level course)

“The Use of Knowledge in Economics and Management”

Universidad Francisco Marroquín, 2004 (undergraduate-level course)

“Business, Government, and the International Economy”

George Mason University, 1996 (graduate-level course)

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PUBLICATIONS, REPORTS, ETC.

Books, Journals, Research:

Madmen, Intellectuals, and Academic Scribblers: The Economic Engine of Political Change (2013), with Edward J. López. Palo Alto, CA: Stanford University Press.

“The Impact of Regulation on Innovation and Choice in Wireless Communications,” (with Everett M. Ehrlich and Jeffrey A. Eisenach), *Review of Network Economics*, Vol. 9, Issue 1 (2010).

“Measuring the Effects of Spectrum Aggregation Limits: Three Case Studies from Latin America,” in *Fostering Innovation and Investment in the Wireless Communications Market*, GN Docket No. 09-157, and *A National Broadband Plan for Our Future*, GN Docket No. 09-51, *Notice of Inquiry*, Federal Communications Commission (October 28, 2009).

“Property Rights to Radio Spectrum in Guatemala and El Salvador,” (with Thomas W. Hazlett and Giancarlo Ibárgüen S.), *Review of Law and Economics* Vol. 3, Issue 2 (2007).

“The Use of Knowledge in Economics and Management: Can Markets Work in Firms?” *Journal of Value-Added Management*, Francisco Marroquín University (Fall 2005.)

“The Law of Property and the Law of Spectrum: A Critical Comparison,” (with John Berresford) *CommLaw Conspectus: Journal of Communications Law and Policy*, Vol. 13, No. 1 (2004).

“Committee Assignments and the Cost of Party Loyalty,” (with Edward J. Lopez) *Political Research Quarterly*, Vol. 55 (March 2002).

“Prescriptive Regulations and Telecommunications: Old Lessons Not Learned,” *Cato Journal*, Vol. 20, No. 3 (Winter 2001).

Commentary and Reviews:

“En Telecomunicaciones, Guatemala Gana,” *Gerencia*, no. 412 (mayo 2005).

“Guatemala y la Reforma del Espectro Radioeléctrico,” *Apuntes de Economía y Política*, Centro de Análisis de Decisiones Públicas, Universidad Francisco Marroquín (mayo-junio 2005).

“La Importancia de Definir y Defender los Derechos: El Caso de Guatemala,” *Apuntes de Economía y Política*, Centro de Análisis de Decisiones Públicas, Universidad Francisco Marroquín (enero-feb. 2005).

“El Voto, los EEUU y la Libertad,” *Moneda* (oct. 2004).

“Access Charge Reform and the Pretense of Regulation,” *Telecommunications and Electronic Media Practice Group Newsletter*, The Federalist Society, Vol. 1, Issue 2 (1997).

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Sample of Studies and Reports for the Senate Banking Committee:

“An Analysis of the SEC’s Proposed Regulation FD,” Staff Report to Chairman Gramm, Committee on Banking, Housing, and Urban Affairs, U.S. Senate, 8 August 2000.

“An Analysis of the Treasury’s Baseline Report on the CRA,” Staff Report to Chairman Gramm (confidential), Committee on Banking, Housing, and Urban Affairs, U.S. Senate, 16 May 2000 (with Dina Ellis and John Silvia).

“An Analysis of Proposed Loan Guarantee Programs to Develop Reusable Space Launch Vehicles,” Staff Report to Chairman Gramm (confidential), Committee on Banking, Housing, and Urban Affairs, U.S. Senate, 28 April 2000 (with John Silvia).

“Local-into-Local Television Broadcast Services: Proposed Legislation and the Current Technologies Available,” Staff Report to Chairman Gramm (confidential), Committee on Banking, Housing, and Urban Affairs, U.S. Senate, 16 December 1999.

“Federal Banking Agencies’ Report on the CRA Compliance Burden,” Staff Report to Chairman Gramm, Committee on Banking, Housing, and Urban Affairs, U.S. Senate, 13 August 1999.

Sample of Comments before the Federal Communications Commission:

“Comments of Citizens for a Sound Economy Foundation,” In the Matter of Access Charge Reform, CC Docket No. 96-262, Price Cap Performance Review for Local Exchange Carriers, CC Docket No. 94-1, Transport Rate Structure and Pricing, CC Docket No. 91-213, Usage of the Public Switched Network by Information Service and Internet Access Providers, CC Docket No. 96-263, 28 January 1997.

“Comments of Citizens for a Sound Economy Foundation,” In the Matter of Federal-State Joint Board on Universal Service, CC Docket No. 96-45, 16 December 1996.

“Reply Comments of Citizens for a Sound Economy Foundation,” In the Matter of Implementation of the Non-Accounting Safeguards of Sections 271 and 272 of the Communications Act of 1934, as Amended; and Regulatory Treatment of LEC Provision of Interexchange Services Originating in the LEC’s Local Exchange Area, CC Docket No. 96-149, 4 September 1996.

“Reply Comments of Citizens for a Sound Economy Foundation,” In the Matter of Federal-State Joint Board on Universal Service, CC Docket No. 96-45, 7 May 1996 (with James Gattuso).