

Curriculum Vitae
Lawrence J. Spiwak
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Lawrence J. Spiwak is President and co-founder of the Phoenix Center for Advanced Legal & Economic Public Policy Studies. The Phoenix Center is a non-profit 501(c)(3) organization that studies broad public-policy issues related to governance, social and economic conditions, with a particular emphasis on the law and economics of telecommunications and high-tech industries. Among other activities, the Phoenix Center publishes a PUBLIC POLICY PAPER SERIES, a POLICY BULLETIN SERIES, and a POLICY PERSPECTIVES SERIES. In addition, the Phoenix Center sponsors Congressional briefings, Policy Roundtables, educational retreats, as well as its noted Annual U.S. Telecoms Symposium. The Phoenix Center also hosts its internationally renowned web page (<http://www.phoenix-center.org>), which contains one of the largest sources of free research material on the Internet.

Mr. Spiwak is a noted scholar and has been cited by, *inter alia*, the United States Federal Communications Commission, the United States Securities and Exchange Commission, the United States Federal Trade Commission, the United States Department of State, the United States Code Annotated, the Congressional Research Service, American Jurisprudence (2d), the International Telecommunication Union (ITU), and the Organisation for Economic Co-Operation and Development (OECD). Other scholars also frequently cite to Mr. Spiwak, and Mr. Spiwak is ranked in the top 2% of downloaded authors listed with the Social Science Research Network ("SSRN").

The United States Government has often called upon the Phoenix Center for its expertise and counsel. For example, Mr. Spiwak was selected by the FCC's Chairman's Office to participate in a trip to Southeast Asia in January 2007 as part of the President's Digital Freedom Initiative (DFI) to lecture about universal service and rural broadband deployment, and was again selected to participate in the State Department's West Africa ICT Road Map to Opportunities Conference in Ghana in July 2008. Moreover, the United States Department of Commerce, Technology Administration, recently provided support to the Phoenix Center to study the root causes of, and potential policy solutions for, the "Valley of Death" for technology development in the United States. The Phoenix Center's work has also been cited on the respective floors of both the United States House of Representatives and the United States Senate. Finally, the Phoenix Center just completed a project for the Governments of Portugal and Brazil to develop a new "Broadband Adoption Index."

In addition, major media news outlets such as THE ECONOMIST, Public Television's NIGHTLY BUSINESS REPORT, BUSINESSWEEK, FORBES.COM, the WALL STREET JOURNAL, DOW JONES NEWS WIRE, the NEW YORK TIMES, USATODAY, the ATLANTA JOURNAL-CONSTITUTION, the WASHINGTON TIMES, the NATIONAL JOURNAL, CNET, ZDNet, the CHICAGO TRIBUNE, UNITED PRESS INTERNATIONAL, KIPLINGER'S, the MIAMI HERALD, the MILWAUKEE-JOURNAL SENTINEL, the DALLAS-MORNING NEWS, the FORT WORTH STAR-TELEGRAM, the SEATTLE TIMES, the SEATTLE POST-INTELLIGENCER REPORTER, the ORANGE COUNTY REGISTER, the ORLANDO SENTINEL, the SAN FRANCISCO CHRONICLE, the INDIANAPOLIS STAR, the PALM BEACH POST, the HARTFORD COURANT, the ROCKY MOUNTAIN NEWS, the WASHINGTON POST, the ARKANSAS DEMOCRAT-GAZETTE, the CHARLOTTE NEWS OBSERVER, the KANSAS CITY STAR, the BALTIMORE SUN, the LOS ANGELES TIMES, the SAN JOSE MERCURY NEWS, the

ASSOCIATED PRESS, FOX News, CNN, the HOUSTON CHRONICLE, the WICHITA EAGLE, the SYDNEY MORNING NEWS (Australia), the TALLAHASSEE DEMOCRAT, LAS VEGAS BUSINESS WEEK, MSN MONEY, the MAINICHI DAILY NEWS (Japan), the AUSTIN AMERICAN STATESMAN, MARKETWATCH, and INVESTOR'S BUSINESS DAILY, as well as key trade and professional publications such as the WASHINGTON LEGAL TIMES, the TEXAS LAWYER, NATIONAL JOURNAL'S TECHNOLOGY DAILY, COMMUNICATIONS DAILY, COMMUNICATIONS WEEK INTERNATIONAL, TOTAL TELECOM, FAT PIPE MAGAZINE, LATIN AMERICAN TELECOM ADVISOR, RED NOVA, TELECOM POLICY REPORT, TELECOMWEB, MULTICHANNEL NEWS, AMERICA'S NETWORK, TELEPHONY and TELEPHONY ONLINE, TR STATE NEWswire, TELECOM AM, the DAILY DEAL, COMPUTERWORLD BRASIL, IT WIRE AUSTRALIA, PUBLIC UTILITIES FORTNIGHTLY, DSL PRIME, WIRED NEWS, X-CHANGE MAGAZINE, PHONE+ MAGAZINE, and the AMERICAN GAS ASSOCIATION MAGAZINE have quoted Mr. Spiwak as an expert or cited to his work.

Mr. Spiwak is also often asked to speak before, and counsel to, industry business leaders and domestic and foreign government officials. For example, in addition to hosting the Phoenix Center's various conferences and events, Mr. Spiwak has presented at such diversified forums as the Federal Communications Commission's Consumer Advisory Committee, the University of San Francisco School of Law, the New Jersey House of Delegates Telecommunications Committee, the Pennsylvania Senate Committee on Communications and Technology, the Global Broadband Forum at George Washington University, Columbia University's Columbia Institute for Tele-Information (CITI), the Conservative Political Action Conference, Citizens Against Government Waste, Voice on the Net (VON), Washington Tech Affinity, the National Association of Regulatory Utility Commissioners (NARUC), the Mid-America Regulatory Conference (MARC), the Mid-Atlantic Conference of Regulatory Utilities Commissioners (MACRUC), the Southeastern Association of Regulatory Utility Commissioners (SEARUC), the National Association of State Utility Consumer Advocates (NASUCA), ITFlorida, the American Legislative Exchange Council (ALEC), National Conference of State Legislatures (NCSL), TelecomNext, the National Consumers League, Americans for Tax Reform, Northwind Professional Institute Annual Canadian Telecoms Symposium, Georgetown University, the International Astronautical Congress in Toulouse France, the Agência Nacional de Telecomunicações ("ANATEL" – the Brazilian telecommunications regulator), the American Chamber of Commerce Telecommunications Symposium in Sao Paulo Brasil, Center of Latin American Economic Studies in Telecommunications ("CELAET") - University of Campinas, Brasil, the United States Embassy - Vienna Austria, Victoria University of Wellington, New Zealand, the Vietnamese Ministry of Information, and the Philippines' National Telecommunications Commission. Moreover, Mr. Spiwak served as a Reporter at a Symposium sponsored by the Robert Schuman Centre of the European University Institute (an arm of the European Union) on "Dispute Resolution and Dispute Prevention in the Transatlantic Partnership" in Florence, Italy where his book – THE TELECOMS TRADE WAR: THE UNITED STATES, THE EUROPEAN UNION AND THE WTO (Hart Publishing 2001 and co-authored with Phoenix Center Adjunct Fellow Mark Naftel) – was used as a case study and later reprinted in a complete volume by OXFORD UNIVERSITY PRESS.

Finally, in addition to his academic lecturing and publishing schedule, Mr. Spiwak expresses his views and analysis of current market developments as a frequent commentator in such major outlets as CNET.COM, THE HILL, the WASHINGTON TIMES, FOX FORUM, FORBES.COM, the LEGAL TIMES, TOTAL TELECOM and UNITED PRESS INTERNATIONAL. Mr. Spiwak also has significant experience in dealing with Wall Street and private equity investors, having served as chief counsel for several multi-million dollar management buy-out attempts of technology companies and start-up firms over the years.

Prior to joining the Phoenix Center, Mr. Spiwak was a Senior Attorney with the Competition Division in the FCC's Office of General Counsel from 1994-1998. While with the Competition Division, Mr. Spiwak provided the Commission and its individual bureaus with legal and economic advice regarding domestic and international inter-exchange, local exchange, delivered video programming, broadcast, wireless and satellite policies. During his tenure with the Competition Division, Mr. Spiwak was responsible for, among other things, co-authoring the FCC's original 1994 Cable Competition Report, providing the primary legal and economic analysis for the FCC's landmark decision to de-regulate AT&T and – given his substantial public (Senior Attorney, Federal Energy Regulatory Commission, 1992-1994) and private sector experience in the electric utility industry (including serving as the vice-chair of the Federal Energy Bar Association's antitrust committee between 1993 and 1994) – for drafting the FCC's rules regarding public utility entry into telecommunications and information services markets.

While in college, Mr. Spiwak was accepted into the Presidential Stay-In School program where he was responsible for delivering classified and confidential material among senior White House and Reagan Administration officials and received a full FBI security clearance.

Mr. Spiwak received his B.A. with special honors from the George Washington University in 1986 (Special Honors, Middle Eastern Studies) and his J.D. from the Benjamin N. Cardozo School of Law in 1989, where he was the international law editor of the Cardozo Moot Court Board and served on the National Moot Court Team.

Mr. Spiwak is a member in good standing of the bars of New York, Massachusetts, the District of Columbia, and the U.S. Court of Appeals for the D.C. Circuit.

Mr. Spiwak is a native of Washington, D.C. He, his wife and their daughter live in North Bethesda, MD.

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