

### **Education**

Stanford University, PhD, economics 1998

Stanford University, MA, economics, 1995

Washington University, BA *summa cum laude*, Economics, Mathematics (minor), 1992

### **Employment**

Technology Policy Institute, Vice President for Research and Senior Fellow, November 2007 – present (on leave Aug 2009 – Apr 2010)

Georgetown University, Adjunct Professor, Fall 2013.

U.S. Federal Communications Commission, National Broadband Task Force, Economics Director, August 2009 – April 2010

Stanford University, Lecturer, 2007 – 2009.

Progress & Freedom Foundation, Senior Fellow and Director of Communications Policy Studies, November 2006 – November 2007.

AEI-Brookings Joint Center for Regulatory Studies, Fellow 2003-2005, Senior Fellow 2005-2006.

American Enterprise Institute, Resident Scholar, 2003 – 2006.

The World Bank, Economist, 1998 – 2003.

Stanford University, Acting Assistant Professor of Public Policy and Visiting Researcher, Stanford Institute for Economics Policy Research, 1999-2001.

President's Council of Economic Advisers, Staff Economist, 1995-1996.

### **Other professional affiliations**

Senior Fellow, Georgetown University Center for Business and Public Policy, Summer 2007 – present.

Program committee member, Technology Policy Research Conference 2010 – present.

Economics & Int'l Trade Team Member, Obama-Biden Presidential Transition, November 2008 – January 2009.

Member, "Sufficient Evidence? Building Certifiably Dependable Systems," National Academies of Sciences Computer Science and Technology Board, 2003 – 2007.

### **Publications** (many available at [works.bepress.com/scott\\_wallsten](http://works.bepress.com/scott_wallsten))

"Is There Really A Spectrum Crisis? Quantifying the Factors Affecting Spectrum License Value." Technology Policy Institute Working Paper. February 2013.

"Two Cheers for the FCC's Mobility Fund Reverse Auction." Forthcoming in *The Journal Of Telecommunications and High Technology Law*, 2013.

"Unrepentant Policy Failure: Universal Service Subsidies in Voice and Broadband." With Thomas Hazlett. Arlington Economics. 2013.

"What Are We Not Doing When We're Online?" Technology Policy Institute Working Paper. November 2012.

"Data Caps Aren't Perfect, But That's OK." *Ars Technica*. May 2012.

- "Is Xfinity TV Anticompetitive? Let the Courts, not Regulators, Decide." *Economists' Voice*. 2012.
- "From Network Externalities to Broadband Growth Externalities: A Bridge Not Yet Built." With John Mayo. *Review of Industrial Organization*, Vol 38, No. 2. March 2011.
- "The Path to Universal Broadband: Why We Should Grant Low-Income Subsidies, and Use Experiments and Auctions to Determine the Specifics." With Gregory Rosston. *Economists' Voice*. 2011.
- "Internet Usage Trends: Who Loses?" With Laura Martin. *Needham Insights*. November 15, 2011.
- "What Gets Measured Gets Done: Stop Focusing on Irrelevant Broadband Metrics." *Communications of the ACM*. Vol. 54, No. 11, November 2011.
- "Secondary Spectrum Markets as Complements to Incentive Auctions." With John Mayo. Georgetown Center for Business and Public Policy *Policy Vignette*. June 2011.
- "Pricing Strategies in a Digital World." With Laura Martin. *Needham Insights*. March 8, 2011.
- "The Universal Service Fund: What do High-Cost Subsidies Subsidize?" February 2011.
- "Enabling Efficient Wireless Communications: The Role of Secondary Spectrum Markets." With John Mayo. *Information Economics and Policy*, Vol. 22, Issue 1. March 2010.
- "Residential Broadband Competition in the United States." With Colleen Mallahan. FCC OBI Working Paper. 2010. Available at SSRN: <http://ssrn.com/abstract=1684236>.
- "The Future of Digital Communications Research and Policy." *Federal Communications Law Journal*. Vol. 63, No.1. December 2010.
- "Residential and Business Broadband Prices, Part 2: International Comparisons." With James Riso. Technology Policy Institute Working Paper. December 2010.
- "Residential and Business Broadband Prices, Part 1: An Empirical Analysis of Metering and Other Price Determinants." With James Riso. Technology Policy Institute Working Paper. November 2010.
- "South Asian Telecommunications Development and the Role of Regional Cooperation." With Caroline Cecot. In *The Service Revolution in South Asia*, Ejaz Ghani, Ed. 2010.
- "Net Neutrality, Unbundling, and their Effects on International Investment in Next-Generation Networks." With Stephanie Hausladen. *Review of Network Economics*. Vol. 8, Issue 1. 2009.
- "Understanding International Broadband Comparisons: 2009 Update." Technology Policy Institute Working Paper. July 2009.
- "An Economic Perspective on a U.S. National Broadband Plan." With Robert Hahn. Comments to the Federal Communications Commission In the Matter of A National Broadband Plan for Our Future. June 2009.

"Measuring the Effectiveness of the Broadband Stimulus Plan." *Economists' Voice*. Vol. 6, Issue 6, May 2009.

"Comments of 71 Concerned Economists: Using Procurement Auctions to Allocate Broadband Stimulus Grants." Lead author with Paul Milgrom, Gregory Rosston, and Andrzej Skrzypacz. April 2009.

"Reverse Auctions and Universal Telecommunications Service: Lessons from Global Experience." *Federal Communications Law Journal*. Vol. 61, No. 2, March 2009.

"Saving the Digital Transition." With Gregory Rosston. *CNET*, January 2009.

"The DTV Coupon Program: A Boon to Retailers, Not Consumers." Technology Policy Institute Policy Perspective. September 2008.

"The Economics of Pacific Bell v. linkLine Communications." *Economists Ink*, Summer 2008.

"Leveraging Communications: ICT as Economic Stimulus: A Plan for the Next Administration." Prepared as a background paper for the 2008 Aspen Institute Conference on Communications Policy. July 2008.

Understanding International Broadband Comparisons. Technology Policy Institute Working Paper. May 2008.

"The Effects of Ownership and Benchmark Competition: An Empirical Analysis of U.S. Water Systems." With Katrina Kosec. *International Journal of Industrial Organization*. Vol. 26, Issue 1. January 2008.

"Broadband and Unbundling Regulations in OECD Countries." First version June 2006; revised January 2008.

"Has Deregulation Affected Investment in Special Access?" August 2007.

"Antitrust policy and Innovation: The Impacts of the National Cooperative Research and Production Act." June 2007.

"A Regulatory Play in Two Acts." *Regulation*. Vol. 30, No. 4. Winter 2007 – 2008.

"Managing the Network: Rethink Prices, not Net Neutrality." Progress Snapshot 3.12. October 2007.

"Doing the Hustle at the FCC." Progress & Freedom Foundation Progress Snapshot 3.8. July 2007.

"Antitrust, Two-Sided Markets, and Platform Competition: The Case of the XM-Sirius Merger." Progress & Freedom Foundation Progress on Point 14.14. July 2007.

"Everything You've Heard About Broadband in the U.S. is Wrong." Progress & Freedom Foundation Progress on Point 14.13. July 2007.

"Comments to the Federal Communications Commission Regarding High-Cost Universal Service Support." Comment filed at the FCC, WC Docket No. 05-337. June 2007.

"Towards Effective U.S. Broadband Policies." Progress & Freedom Foundation Progress on Point 14.7. May 2007.

A Review of Universities in the Age of Corporate Science: The UC Berkeley-Novartis Controversy. *Nature*, April 12 2007.

"Communications, Broadband, and Competitiveness: How Does the U.S. Measure Up." Testimony before the U.S. Senate Committee on Commerce, Science and Transportation. April 24, 2007.

A Review of The Broadband Problem: Anatomy of a Market Failure and a Policy Dilemma by Charles Ferguson. *Journal of Law, Economics, and Policy*, Vol. 3, No. 2, Spring 2007.

"Great Branding, Bad Policies: The Flaws of Open Access Regulations." Progress and Freedom Foundation Progress Snapshot 3.5. April 2007.

"Wireless Net Neutrality." Progress and Freedom Foundation Progress Snapshot 3.2. February 2007.

"The Economics of Net Neutrality." With Robert Hahn. *Economists' Voice*. Vol. 3, Issue 6. June 2006.

"Ownership, Investment Climate, and Firm Performance." With Mary Hallward-Dreimeier and Lixin Colin Xu. *Economics of Transition*. Vol. 14, No. 4. 2006.

"Merger Hangups." Progress and Freedom Foundation Progress Snapshot 2.28. December 2006.

"The AT&T-BellSouth Merger: The Real Story." AEI-Brookings Policy Matter. October 2006.

"No More Baseball Giveaways." *Washington Times*, August 11, 2006.

"What U.S. Broadband Problem?" With Seth Sacher. CNET.com, July 3, 2006.

"What Affects the Quality of Economic Analysis for Life-Saving Investments?" With Robert Hahn and Katrina Kosec. *Risk Analysis*. Vol. 26, Issue 3, June 2006.

"Telecommunications Regulation in U.S. States: Its Rise and Impacts in the Early Twentieth Century." AEI-Brookings Joint Center Working Paper 06-04. March 2006.

"Debate over Net Neutrality Misplaced," With Robert Hahn. *Financial Times*, March 26, 2006.

"The Economic Cost of the Iraq War." *Economists' Voice*. Vol. 3, Issue 2. January 13, 2006.

"Broadband Penetration: An Empirical Analysis of State and Federal Policies." AEI-Brookings Joint Center Working Paper 05-12. January 2006.

"Has the Internet Increased Trade? Evidence from Developed and Developing Countries." With George Clarke. *Economic Inquiry*. Vol. 44, No. 3. July 2006.

"Returning to Victorian Competition, Ownership, and Regulation: An Empirical Study of European Telecommunications." *Journal of Economic History*, Vol. 65, No. 3, September 2005.

"The Economic Costs of the War in Iraq." With Katrina Kosec. AEI-Brookings Joint Center Working Paper 05-19. September 2005.

"When the Saints go Marching Out." *Baltimore Sun*, Nov 16, 2005.

"Punting the Taxpayers." *New York Sun*, March 28, 2005.

"City's WiFi Network Won't Close Digital Divide." *Philadelphia Inquirer*, February 17, 2005.

"Regulation and Internet Use in Developing Countries." *Economic Development and Cultural Change*, Vol. 53, No. 2, January 2005.

"Privatizing Monopolies in Developing Countries: The Real Effects of Exclusivity Periods in Telecommunications." *Journal of Regulatory Economics*, Vol. 26, No. 3, November 2004.

"The Billion Dollar Pitch: An Analysis of the Ballpark Omnibus Financing and Revenue Act of 2004." With Katrina Kosec. November 2004.

"A Suite Deal: Plans for D.C. Ballpark a Ripoff." *Washington Times*, October 28, 2004.

"Cheap Net Phones Face the Threat of a Tax Hangup," with Robert Hahn and Gregory Rosston. *San Jose Mercury News*, June 17, 2004.

"Telecommunications Policy in India." With Roger Noll. June 2004.

"High-Tech Cluster Bombs: Why Successful Biotech Hubs are the Exception, Not the Rule." *Nature*, March 11, 2004.

"Do Science Parks Generate Regional Economic Growth?" AEI-Brookings Joint Center Working Paper 04-04. March 2004.

"Of Carts and Horses: Regulation and Privatization in Telecommunications." *Journal of Policy Reform*, Vol. 6, No. 4, 2003.

"Digital Dreams: How Regulations can Widen the Digital Divide." Syndicated worldwide through *Project Syndicate*. December, 2003.

"Has Private Participation in Water and Sewerage Improved Coverage? Empirical Evidence from Latin America." With George Clarke and Katrina Kosec. December 2003.

"Mr. President, Bring Your Academic Advisers in From the Cold," with Robert Hahn. *Financial Times*, October 30, 2003.

"Congress Shorts Future Terror-Fighting Innovation." AEI-Brookings Joint Center Policy Matters 03-22, July 2003.

"Whose Life Is Worth More? (And Why Is It Horrible to Ask?)," with Robert Hahn. *Washington Post*, June 2, 2003.

"How Globalization Stabilizes Poor Countries." Syndicated worldwide through *Project Syndicate*. May-June, 2003.

"Do Remittances Act Like Insurance? Evidence From a Natural Disaster in Jamaica." With George Clarke. World Bank. January 2003.

"The Investment Climate and the Firm: Firm-Level Evidence From China." With Mary Hallward-Driemeier and Lixin Colin Xu. World Bank Policy Research Working Paper No. 3003. January 2003.

"Telecommunication Reform in Ghana." With Mary Shirley and Luke Haggarty. World Bank Policy Research Working Paper No. 2983. November 2002.

"Universal(lly Bad) Service: Providing Infrastructure Services to Poor and Rural Consumers in Developing Countries." With George Clarke. World Bank Policy Research Paper Number 2868. July 2002.

A Review of The State, Regulation, and the Economy, Magnusson, Lars and Jan Ottoson, Eds. *Journal of Economic History*, Vol. 62, No. 4, December 2002.

A Review of Jonathan Bean, Big Government and Affirmative Action: The Scandalous History of the Small Business Administration. *Journal of Economic History*, Vol. 61, No. 4, December 2001.

"Telecommunications investment and traffic in developing countries: The effects of international settlement rate reforms." *Journal of Regulatory Economics*, Vol. 20, No. 3, pp. 307-323, November 2001.

"An Empirical Test of Geographic Knowledge Spillovers Using Geographic Information Systems and Firm-Level Data." *Regional Science and Urban Economics*, Vol. 31, No. 5, pp. 571-599. September 2001.

"An Econometric Analysis of Telecom Competition, Privatization, & Regulation in Africa and Latin America." *Journal of Industrial Economics*, Vol. 40, No. 1, March 2001.

"The effects of government-industry R&D programs on private R&D: The Case of the Small Business Innovation Research Program." *RAND Journal of Economics*, Vol. 31, No. 1, Spring 2000.

"Surveying Surveys and Questioning Questions: Learning from World Bank Experience." With Lixin Colin Xu and Francesca Recanatini. World Bank Policy Research Working Paper No. 2307. March 2000.

"Executive Compensation and Firm Performance: Big Carrot, Small Stick." SIEPR Working Paper 99-17. March 2000.

### **Testimony**

"The Role of Government in Promoting R&D." U.S. Senate Finance Committee, September 2011.

"An Economic Overview of the Implications for Online Video of the Proposed Comcast-NBC Transaction." FCC Public Hearing, July 2010.

"Reforming the Universal Service Fund High Cost Program." U.S. House of Representatives, Committee on Energy and Commerce, Subcommittee on Communications, Technology, and the Internet, March 2009.

"Broadband and the Digital Future." FCC en banc hearing, July 2008.

"The Costs of the Iraq War." U.S. Congress Joint Economic Committee, February 2008.

"Broadband and Small Business." U.S. Senate Committee on Small Business and Entrepreneurship, September 2007.

"Communications, Broadband and Competitiveness: How Does the U.S. Measure Up?" U.S. Senate Committee on Commerce, Science, and Transportation, April 2007.

**Other Selected Speaking Engagements**

Keynote Speaker, Osinergmin Energy Conference, Lima, Peru, May 2013.

Next-Generation Broadband, Keio University, Japan, June 2011.

Broadband on Demand, Cable Europe, Brussels, Belgium, March 2011.

Broadband competition, Europe Cable Congress, Brussels, Belgium, February 2010.

Net neutrality, Needham & Co., LLC Broadband TechDay, November 2009.

Regulation, Antitrust, and Open Access, Open Mobile Summit, San Francisco, September 2009.

Keynote speaker, conference on network neutrality, Canada Public Policy Forum, November 20, 2008.

Guest on The Kojo Nnamdi Show discussing net neutrality and network management, September 2008.

Guest on The Kojo Nnamdi Show discussing broadband policy, June 2008.

Net Neutrality, University of San Francisco Intellectual Property Law Bulletin Symposium, January 2008.

International Broadband Comparisons, at conference "Telecommunications Infrastructure and Economic Performance," sponsored by Ministère de l'Éducation Nationale, de la Recherche et de la Technologie, Paris, October 2008.

Net Neutrality, conference organized by Colombian Telecommunications Regulator, Cartagena, Colombia, October 2008.

Debate on broadband policy, PLI-FCBA 25th Annual Institute on Telecommunications Policy & Regulation, December 2007.

Guest on C-Span, The Communicators, July 7, 2007.

Organizer and moderator, broadband data conference, June 28, 2007.

Debate on broadband policy at the National Press Club, June 15, 2007.

Presentation on broadband and network neutrality, Federal Trade Commission, Broadband Connectivity Competition Policy, 2007.

Roundtable discussion on the state of broadband, NetCaucus State of the Net Conference, 2007.

Wilkinson, Barker, Knauer, LLP on Reverse Auctions, 2006.

London Business School Global Communications Consortium, on Spectrum Policy and Competition, 2006.

Broadband investment, Progress and Freedom Foundation 2006 Aspen Summit.

APEC conference on regulation, Mexico City, 2003.

**Honors**

Alfred P. Sloan Foundation Dissertation Fellowship, 1997 – 1998.

Phi Beta Kappa.

Omicron Delta Epsilon, International Economics Honor Society.

Percy Tucker Fellow, Washington University Department of Economics