

# CURRICULUM VITAE

*Stanley J. Liebowitz*

## *Address*

School of Management  
University of Texas at Dallas  
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## *Academic Degrees*

June 1978: Ph.D. Economics, UCLA  
Dissertation Chairman: Harold Demsetz  
June 1975: M.A. Economics, UCLA  
June 1971: B. A. Johns Hopkins University

## *Employment Summary*

2006-present Ashbel Smith Distinguished Professor of Managerial Economics, UTD  
2004-present Director, Center for the Economic Analysis of Property Rights and Innovation  
1991-2006 Professor of Managerial Economics, School Of Management, University Of Texas at Dallas.  
1996-1999 Academic Associate Dean, School of Management, University Of Texas at Dallas.  
1986-91 Associate Professor of Economics, North Carolina State University  
1985-86 John Olin Faculty Fellow in Law And Economics, University of Chicago  
1982-86 Assistant Professor of Economics, Graduate School of Management, University of Rochester.  
1977-82 Assistant Professor of Economics, University of Western Ontario.

## ***Profession Affiliations***

President, *Society for Research on Copyright Issues*, 2006-present

Editorial Board, *Copyright* 2005-2007

Editorial Board, *Journal of Network Industries* 1999-2003

Editorial Board, *Review of Economic Research on Copyright Issues* 2003-present

Editorial Board for Special Issue of *MIS Quarterly* on Standardization 2005.

Academic Advisory Committee, Copyright Alliance, 2007-

Advisory Board for Heartland Institute's *Digital Economic Center* 1999-present

Advisory Board for the Center for the Study of Digital Property, Progress and Freedom Foundation, 2005-present

Advisory Board for the Center on Entrepreneurial Innovation 2005-present

Advisory Board of the Intellectual Property Institute, University of Richmond Law School 2005-7

Advisory Board of the Media Institute 2007

Adjunct Scholar, Competitive Enterprise Institute, 2003-

Adjunct Scholar, Cato Institute, 2003-present

Fellow, Independent Institute, 1998-present

## ***Honors, Awards, Recognition***

Erskine Visiting Fellow at the University of Canterbury

Wall Street Journal Online: Written debate with Harvard Law School Professor about Google's purchase of YouTube, October 11, 2006. Appearing (abridged) in the print edition October 16.

Ashbel Smith Chair at the University of Texas at Dallas 2006-

President, Society for Economic Research on Copyright Issues, 2006.

Keynote speaker at Business Software Alliance Regional Meeting in Kuala Lumpur, November 2005.

US Supreme Court *MGM v. Grokster* concurring opinion authored by Justice Breyer cited my paper on file-sharing.

Symposium on the 20<sup>th</sup> anniversary of my concept of *indirect appropriability*. *The Review of Economic Research on Copyright Issues* 2005.

Included in *Who's Who in Economics* – based on receiving citations from academic articles. Mark Blaug and Howard Vane (eds), Fourth Edition, Edward Elgar Publishing 2003.

Rethinking the Network Economy picked as one of the top 30 business books in 2003 by Soundview Executive Books.

Article with Steve Margolis in Reason Magazine (1996) selected to be in Reason's anthology of Best Articles of the Decade (1990s), 2002.

A Keynote speaker at Conference on Media in Cyberspace at Harvard University, Oct. 18, 2003.

Keynote address at the Inaugural Conference of the *Society for Economic Research on Copyright Issues*. Madrid Spain, June, 2002.

Work on Copyright Issues and MP3 downloads featured in *ABC World News* (interview), *National Public Radio* (2 interviews), *Financial Times*, *Salon* (2 interviews), *Chronicle of Higher Education*. Mentioned in *NY Times*, *Fortune*, *Rolling Stone*, *USA Today* and many other.

Keynote address at conference on Competition, Monopoly, and Regulation in the Information Age in Frankfurt, Germany, May 25, 2000.

Work on path dependence and network externalities was the main subject of articles in *Financial Times*, March 6, 2001; *The Economist* September 18, 1999, page 88; *The Economist* April 3, 1999 page 67, of; *LA Times* Business Section October 5 1998; *Wall Street Journal* February 25 1998 page B1; *Wall Street Journal* Microsoft Debate with Mike Scherer in May 1, 2000; January 1997 Issue of *Die Ziet*. This research has been mentioned in numerous other outlets including the *New York Times*, *Fortune*, *Forbes*, *USA Today*.

Work on Mortgage Discrimination was featured in the Business Section of the *New York Times* on May 10, 1996.

Work on health care discussed in USA Today Magazine article by Peter Ferrara, May 1, 1996.

"Distinguished Research Award" North Carolina State U, 1990

1990 Bradley Fellowship to Attend Mt. Pelerin Society Meetings in Munich Germany

1985-86 John Olin Faculty Fellow at the University of Chicago Law School

1975-76 Smith Richardson Fellowship, UCLA

1973-75 TAship UCLA

1967-71 Open Scholarship, Johns Hopkins

1967 Regents Scholarship, New York State (declined)

### ***Publications: Academic Articles***

"Research Note: Testing File-Sharing's Impact on Music Album Sales in Cities" *Management Science*, forthcoming.

- “How to Best Ensure Remuneration for Creators in the Market for Music? Copyright and its Alternatives” (with Richard Watt), *Journal of Economic Surveys*, 4 Vol. 20, September 2006, pp. 513-545.
- “File-Sharing: Creative Destruction or just Plain Destruction?” *Journal of Law and Economics* 49 April, 2006, p1-28. Lead Article.
- “Seventeen Famous Economists Weigh in on Copyright: The Role of Theory, Empirics, and Network Effects.” (with Steve Margolis) *Harvard Journal of Law and Technology* 2 Vol. 18, (Spring 2005) pp. 435-457. Reprinted in *Recent Trends in the Economics of Copyright*, edited by Richard Watt and Ruth Towse, Edward Elgar 2008, part of the International Library of Critical Writings in Economics.
- “Economists Examine File-Sharing and Music Sales” in *Industrial Organization and the Digital Economy* G. Illing and M. Peitz (eds.), pp. 145-174, MIT press, 2006.
- “Economists’ Topsy-Turvy View of Piracy” *The Review of Economic Research on Copyright Issues* Vol. 3, 2005 pp. 5-17.
- “Pitfalls in Measuring the Impact of File-sharing on the Sound Recording Market.” *CESifo Economic Studies* Vol. 51, 2-3/2005, pp. 435-473.
- “MP3s and copyright collectives: a cure worse than the disease?” *Developments in the Economics of Copyright: Research and Analysis*, edited by Wendy Gordon, Lisa Takeyama and Ruth Towse, Edward Elgar, 2005. Reprinted in "Copyright Issues in Higher Education: A Legal Compendium." Edited by Georgia K. Harper, National Association of College and University Attorneys, 2006.
- “Network Meltdown: A Legacy of Bad Economics” in *How New is the New Economy*, edited by E Jansen, Edward Elgar, 2005.
- “The Elusive Symbiosis: The Impact of Radio on the Record Industry” *The Review of Economic Research on Copyright Issues* Vol. 1, pp.93-118 2004.
- “Lessons from the Internet Bubble” (translated to Japanese) *Hitotsubashi Business Review*, June 2004.
- “Will MP3 downloads Annihilate the Record Industry? The Evidence so Far” *Advances in the Study of Entrepreneurship, Innovation, and Economic Growth*, V. 15, 2004, pp. 229-260. Reprinted in *Recent Developments in Cultural Economics*, edited by Ruth Towse, Edward Elgar 2007, part of the International Library of Critical Writings in Economics.
- “Back to the Future: Can Copyright Owners Appropriate Revenues in the Face of New Copying Technologies?” lead article in *The Economics of Copyright: Recent Developments and Analysis*, edited by Wendy Gordon and Richard Watt, Edward Elgar Publishing, 2003. Reprinted in Internal Revenue Service Business Valuation Library.
- “Network Effects” entry in the *Handbook of Telecommunications Economics*, edited by M. Caves, S. Majumdar, and I. Vogelsang, pp. 76-94, Elsevier, 2002. (With Margolis)

- “An Expensive Pig in a Poke: Estimating the Costs of the District Court’s Proposed Breakup of Microsoft,” *George Mason Law Review*, 3 Volume 9, Spring 2001, pp. 727-760.
- “Network Effects and the Microsoft Case” in *Dynamic Competition and Public Policy: Technology, Innovation, and Antitrust Issues*, Edited by Jerry Ellig, Cambridge University Press, 2001. (With Margolis)
- “Path Dependence” entry in the *Encyclopedia of Law and Economics*, Edward Elgar, 2000, 981-999, (with Steve Margolis).
- “Mortgage Discrimination in Boston: Where’s the Bias?” (with Ted Day), *Economic Inquiry*, January 1998, 36-1 Pp.1-27. Lead article.
- "Do We Get Stuck With Inferior Technologies?" in Soziale Schliesung im Prozes der Technologieentwicklung, edited by Josef Esser, Gerd Fleischmann and Thomas Heimer, Campus Verlag, 1998, pp. 119-147.
- “Path Dependence” entry in *The New Palgraves Dictionary of Economics and the Law*, MacMillan, 1998, Vol. 3, 17-22, (with Steve Margolis).
- “Network Effects and Externalities” entry in *The New Palgraves Dictionary of Economics and the Law*, MacMillan, 1998, Vol. 2, 671-675, (with Steve Margolis).
- "Should Technology Choice be a Concern for Antitrust?" (with Steve Margolis), *Harvard Journal of Law and Technology*, Summer 1996, Pp. 283-318.
- “Path Dependence, Lock-in and History” (with Steve Margolis), *Journal of Law, Economics and Organization*, April 1995 11-1, pp 205-226. Reprinted in: *Market Process Theories*, edited by Peter Boettke and David Prychitko, Edward Elgar, 1998. *Market failure or Success*, Tyler Cowan and Eric Crampton, Edward Elgin 2002.
- “Are Network Externalities a New Source of Market Failure?” (with Stephen E. Margolis), *Research in Law and Economics*, Vol 17 1995, Pp. 1-22. Lead article.
- “Reply to Invited Comments by Regibeau And Gandal” (with Stephen E. Margolis), *Research In Law And Economics*, 1995, Pp. 41-46.
- "Network Externality: An Uncommon Tragedy" (with Stephen E. Margolis) *The Journal Of Economic Perspectives*, Spring 1994, 8-2 Pp. 133-150.
- “The Fable of the Keys” (with Stephen E. Margolis) *Journal of Law and Economics*, April 1990, 33-1 Pp. 1-26. Lead article. Reprinted in: *Famous Fables of Economics*, edited by Dan Spulber, Blackwell Publishers, 2002. *Foundations of Regulatory Economics*, edited by Robert Ekelund, Edward Elgar, 1998. *Antitrust and Competition Policy 2005* edited by Andrew Kleit, Edward Elgar. Translated to Russian in: *The Sources: History of Economic Thought* edited by A. Kouzminov, State University - Higher School of Economics Publishing House, Moscow 2007.
- “Price Differentials and Price Discrimination”, *Economic Inquiry*, October 1988, 26-4 Pp. 779-83.

- “Assessing Assessments of the Quality of Economics Departments,” (with John Palmer), *Quarterly Review of Economics And Business*, Summer 1988, 28-2 Pp. 88-113.
- “Some Puzzling Behavior by the Owners of Intellectual Products,” *Contemporary Policy Issues*, July 1987, 5-3 Pp. 44-53.
- “On The Measurement and Mismeasurement of Monopoly Power,” *International Review of Law and Economics*, 3-2, June 1987, Pp. 89-99.
- “Copyright Law, Photocopying and Price Discrimination,” *Research in Law and Economics*, 1986, Pp. 181-200.
- “Copying and Indirect Appropriability: Photocopying of Journals,” *Journal of Political Economy*, 93-5 October 1985, Pp. 945-957. Reprinted in *The Economics of Intellectual Property*, edited by Ruth Towse and Rudi Holzhauser, Edward Elgar, 2001.
- “Assessing the Relative Impacts of Economic Journals,” (with John Palmer) *Journal of Economic Literature*, 22-1 March 1984, Pp. 77-88.
- “Tie-in Sales, Risk Reduction and Price Discrimination,” *Economic Inquiry*, 21-3 July 1983, 21 Pp. 387-399.
- “Price Discrimination By Journal Publishers: Its Impact on Copyright Law and Photocopying,” *European Intellectual Property Review*, July 1983, Pp. 184-189.
- “The Pricing Practices of the Liquor Control Board Of Ontario: Revisited,” *Canadian Journal Of Economics*, 16-1 February 1983, (with Guy Bridgeman) Pp. 154-161.
- “What Do Census Price-cost Margins Measure?” *Journal of Law and Economics*, 25-2 October, 1982, Pp. 231-246.
- “Durability, Market Structure And New-used Goods Models,” *American Economic Review*, September 1982, 72-4, Pp. 816-824.
- “The Impacts of Cable Retransmission on Television Broadcasters,” *Canadian Journal of Economics*, 15-3, August 1982, Pp. 503-524.
- “Measuring Industrial Disequilibria,” *Southern Economic Journal*, July 1982, 49-1 Pp. 119-136.
- “Journals As Shared Goods: Comment,” *American Economic Review*, 72-3, June, 1982 (with S. E. Margolis), Pp. 597-602.

### ***Books and Monographs***

Rethinking the Network Economy: The Real Forces that Drive the Digital Marketplace, Amacom, 2002. Favorably reviewed in *The Economist*, UPI, YaleGlobal Now, Online

Magazine. Chapters 2 and 3 serialized in Spring 2003 issue of Milken Review. Picked as one of the top 30 business books in 2003 by Soundview Executive book summaries.

The Economics of Qwerty: Papers by Stan Liebowitz and Stephen Margolis, edited by Peter Lewin, Palgrave/NYU Press, 2002.

Winners, Losers, and Microsoft: Competition and Antitrust in High Technology, (with Steve Margolis) Independent Institute, 1999, 288 pages. Favorably reviewed in *The Economist*, *Wall Street Journal*, *Wired Magazine*. Excerpted in *Upside Magazine* (December 1999). Chapter 6 reprinted in *Famous Fables of Economics*, edited by Dan Spulber, Blackwell Publishers, 2001 and *Market Failure or Success: The New Debate*, edited by Tyler Cowan and Eric Crampton, Edward Elgar, 2003.

The Relative Efficiency Of Private And Public Broadcasting In Canada, The Fraser Institute, Vancouver, 1985, 72 Pages [partially Reprinted In *Canadian Broadcasting: The Challenge Of Change*, Edited By Colin Hoskins And Stuart Mcfadyen, University Of Alberta Press, 1986].

The Impact Of Reprography On The Copyright System, Copyright Revision Studies, Copyright Revision Studies, Consumer and Corporate Affairs, ISBN 0-622-11396-9, Canada 1981, 82 Pages.

Copyright Obligations For Cable Television: Pros And Cons, Copyright Revision Studies, Bureau Of Corporate Affairs, Ottawa, 1980, 83 Pages.

### ***Work in Progress***

“A Comment on the Oberholzer-Gee and Strumpf Paper on File-Sharing” mimeo, September 2007. Under Submission.

“Don’t Play it Again Sam: Measuring the Impact of Radio Play on Record Sales” under submission

“Micropayments and DRM for Intellectual Properties: Price Discrimination, Unbundling, Both, or Neither?”

“How Much Monopoly does Copyright Provide?”

“Bundles and Exclusion” (with Stephen Margolis)

### ***Policy Reports***

“What are the Consequences of the European Union Extending Copyright Length for Sound Recordings?” Report written for the IFPI, February 2006.

“Policing Pirates in the Networked Age” a Cato Policy Analysis, May 2002.

“Swiss Cheese Windows: Estimating Some Costs of the Nine State Remedy,” Policy Report for the Association for Competitive Technology, February 21, 2002, 29 pages.

“An Expensive Pig in a Poke: Estimating the Costs of the District Court’s Proposed Breakup of Microsoft,” Policy Report for the Association for Competitive Technology, September 21, 2000, 36 pages.

“A Fool’s Paradise: The Windows World after a Forced Breakup of Microsoft” Policy Report for the Association for Competitive Technology, Feb 24, 2000, 26 pages.

“Product Quality and the Economic Performance of Firms,” McKinsey and Company, October 15, 1999, 88 pages.

“Breaking Windows: Estimating the Cost of Breaking up Microsoft Windows” The Association for Competitive Technology and The ASCII Group, Inc., April 30, 1999, 20 pages.

“Dismal Science Fictions: Network Effects, Microsoft, and Antitrust Speculation” a Cato Policy Analysis, October 27 1998, (with Steve Margolis), 37 pages.

Why Health Care Costs Too Much, Policy Analysis, June 23, 1994, 27 Pages, The Cato Institute

### ***Non-Academic Articles and Reviews***

“Copyright Reconsidered: A Review of Promises to Keep”, *Issues in Science and Technology*, Vol. 21 No 3, Spring 2005, p. 92-95.

“Alternative Copyright Systems: The Problems with a Compulsory License” Published online at IPcentral.info (<http://ipcentral.info/review/v1n2intro.html>) Progress and Freedom Foundation, 2003.

“Mission Impossible: Determining the Value of Copyright” in *Copyright: Administrative Institutions* in Ysolde Gendreau (ed.) Copyright Administrative Institutions: Conference Organized by the Centre de recherche en droit public (CRDP) of the Faculty of Law of the Universite de Montreal, 11 & 12 October 2001, (Cowansville, PQ: Les Editions Yvon Blais Inc.) 2002, pp. 77-100.

“Copyright in the Post Napster World” in *Copyrights* edited by Wayne Crews and Adam Thierer, Cato, 2002 197-204.

“Slim Pickings in Cyberspace” *CIO Magazine*, pp. 60-62, October 15, 2000.

“Winner Takes What?” *CIO Magazine*, pp. 62-64, August 15, 2000.

Book Review of “Competition, Innovation and The Microsoft Monopoly: Antitrust in the Digital Marketplace” edited by J. A. Eisenach and T. M. Lenard in *Managerial and Decision Economics*, 2000.

“Path Dependence and Economic Evolution” in *Jobs and Capital*, Winter 1998 Milken Institute for Job and Capital Formation, Pp. 36-41, (with Steve Margolis).

Book Review of "Standards, Strategy and Policy" by Peter Grindley in *Journal of Economic Literature*, March 1997, pp. 46-49.

"Typing Errors," *Reason Magazine*, June 1996, Pages 29-35 (with Steve Margolis).

"Path Dependence: From Qwerty To Windows," *Regulation Magazine*, Fall, 1995, Pages 35-42, (with Steve Margolis). Plus reply to letter by Paul Krugman in the Spring 96 issue.

"Don't Handcuff Technology" *Upside Magazine*, September 1995, Pages 64-73, (with Steve Margolis)

### ***Opinion Articles***

"Don't Pull the Plug On AOL-Time Warner" *Wall Street Journal Europe*, Sept 11, 2000 (with Steve Margolis).

"Will the Cure be Worse than the Disease?" *Interactive Week*, April 10, 2000.

"Should Microsoft be broken Up: No" (Counterpoint to a Yes column by Ralph Nader) *Dallas Morning News*, January 30, 2000.

"Windows and the "Applications Barrier to Entry": Fact or Fantasy?" *CEI OnPoint*, No. 56, January 18, 2000

"Hey, Remember Microsoft?" *Wall Street Journal*, January 14, 2000, page A14.

"Impacts of Jackson's Actions" *New York Newsday*, November 14, 1999.

"Judge's Muddled Ruling Bad News for Microsoft but also for Consumers," *National Post* (Canada) November 8, 1999.

"A Defective Product: Consumer Groups' Study of Microsoft In Need of Recall," *CEI OnPoint* No. 25, February 9, 1999

"Bill Gate's Secret? Better Products," *Wall Street Journal*, October 20, 1998.

"Microsoft Can't Help Its Success" *San Francisco Chronicle*, January 17, 1997.

"Case Against Microsoft As Transparent As A Window," *Dallas Morning News*, September 25, 1995. Also *San Francisco Business Reporter*.

"Is Microsoft A Threat," *Investors Business Daily*, August 29, 1995, Page A2. Also, *Christian Science Monitor* and *Seattle Times*. (with Steve Margolis)

"Misunderstanding Microsoft," *American Civilization*, April 1995, Page 23.

"What Do We Know About Mortgage Discrimination?" *Independent Banker's Association Journal*, June 1995.

"Study Author Misses Basket," *Texas Banking*, July 1994, Page 5.

"How The Medical Business Of America Got In Such Critical Condition," A Review Of Code Blue By Edward Annis, *Philadelphia Inquirer*, October 3, 1993, Page M1.

"A Study That Deserves No Credit", *Wall Street Journal*, Sept. 1, 1993, Page A14.

### ***Unpublished Papers***

"Default Rates, Denial Rates and Mortgage Discrimination" With Ted Day 1999.

"Increased Copyright Protection: A Model In Search Of A Phenomenon," May 1984.

"The Audience-revenue Relationship: Comment," January 1981.

"The Betamax Case: An Economic Perspective", 1985.

"Dynamic Price Discrimination and the Alcoa Case," August 1980.

### ***Refereeing***

*American Economic Review; Canadian Public Policy; Economic Inquiry; Economic Journal; Information Economics and Policy; International Journal of the Economics of Business; International Journal of Industrial Organization, Journal of Business Economics; Journal of Economic Literature; Journal of Industrial Economics; Journal of Institutional and Theoretical Economics; Journal of Law and Economics; Journal of Money, Credit, and Banking, Journal of Political Economy; Management Science; MIS Quarterly, National Science Foundation; Quarterly Journal of Economics; Quarterly Review of Economics and Business; Rand Journal of Economics; Southern Economic Journal*

### ***Academic Seminars***

Boston University, Carleton U., Case Western Reserve, Clemson U., Dallas Fed, George Mason U, Georgetown U., Harvard U., U of Kansas, McGill U., NC State U., New York U., Rutgers U., Simon Fraser U., Southern Methodist U., SUNY Binghamton, U of Chicago, UCLA, UC Santa Barbara, U. of Southern Florida, U. of Georgia, U of Kansas, U of Michigan, University of Montreal, U. of Oklahoma, U. of Pennsylvania, U. of Rochester, U. of Saskatchewan, U. Texas Dallas, University of Texas at Arlington, U. of Toronto, US Federal Communications Commission, US Federal Trade Commission, US Justice Department, University of Turino, University of Washington, U. of Western Ontario, Washington U.

### ***Conference Presentations***

Northwestern University "The End of the Microsoft Antitrust Case?" November 15-16, 2007. Discussant.

Society for Economic Research on Copyright Issues, 6<sup>th</sup> annual meetings, Berlin, July 12-13 2007. “How Much Monopoly does Copyright Provide in Books?”

Fundacion Urrutia Elejalde; VII Winter Workshop on Economics and Philosophy (2007), Madrid May 21-22. “How Much Monopoly does Copyright Provide in Books?”

Presented paper on the Economics of Bundling at George Mason conference on The Law and Economics of Innovation, May 4, 2007, Washington DC.

Southern Economics Association, Nov 17, 2007, Charleston, SC. Discussant.

Society for Economic Research on Copyright Issues, Special Meeting, IPR Protection: Copyright, Patent and/or Open Source, September 21-22, 2006. What Economics can teach us about Regulation in Software, Helsinki, Finland.

Society for Economic Research on Copyright Issues, 5<sup>th</sup> annual meetings, June 29<sup>th</sup> 2006. Singapore. Presented paper on impact of Radio on Record Sales and participated in discussion about impact of copying.

Presented talk about the EU investigation of Microsoft at conference hosted by Competitive Enterprise Institute, Brussels, April 20, 2006.

Presented talk about The Future Digital Economy at OECD conference, January 30-31, 2006 Rome.

Presented keynote talk “Why Firms Win” to the Business Software Alliance, Kuala Lumpur, November 2005.

Presented talk on measuring copying at the World Intellectual Property Organization in Geneva, November 2005.

Presented paper at the UN organized World Forum on Music, Los Angeles, October 2005.

Discussed the Grokster case at invited presentation of the Telecommunications Policy Research Conference, Arlington Va, September 2005.

Society for Economic Research on Copyright Issues, 4<sup>th</sup> annual meetings. Presented two papers—one on the impact of file-sharing and the other on the impact of micropayments and DRM, Montreal, July 7, 2005.

Annual meetings of the Copyright Society of the United States. Presentation on the impact of file-sharing. Lake George, New York, June 13, 2005.

Association for Competitive Technology: Annual Conference on Intellectual Property Issues, April 22-24. Appeared in panel discussing impact of technology on copyright. Cambridge Maryland.

Whither the Middleman? The Role and Future of Intermediaries in the Information Age Michigan State University College of Law, April 8-9, 2005. Gave presentation about economic role of intermediaries in digital business.

Address congressional staffers in breakfast and lunch sessions about economics of intellectual property. Put on by Institute of Humane Studies. March 23. Washington DC 2005.

Consumer Electronics Association conference on Intellectual Property and Creativity, March 16, 2005. Appeared in panel discussing impact of technology on creativity. Washington, DC.

Federal Trade Commission, December 15-16, Washington DC, discussed impact of peer-to-peer file-sharing at conference on peer-to-peer.

Federal Reserve Board of Dallas, Moderated Session on International Aspect of Intellectual Property,

Presented “The Elusive Symbiosis: The Impact of Radio on the Record Industry” International Summer School on Economic Research 2004, IPRs, Innovation and Competition, Siena Italy July 12-17, 2004.

Presented “The Elusive Symbiosis: The Impact of Radio on the Record Industry” at the 2004 conference of the *Society for Economic Research on Copyright Issues*, Turin Italy, July 2004.

“Pitfalls in Measuring the Impact of File-sharing.” CESifo Economic Studies Conference on Understanding the Digital Economy: Facts and Theory, Munich, Germany 2-3 July 2004

“What Networks Will Carry” Global Communications Strategy Forum, University of Texas at Dallas, May 6, 2004.

“Numbers, Numbers, Numbers” part of Panel discussion at Future of Music Conference, Washington DC, May 1, 2004.

“The Problems with Compulsory Licenses” Seminar at FCC, Washington DC, March 23, 2004.

Part of a 3-man Panel on What to do about MP3 downloads, Conference on Media in Cyberspace at Harvard University, Oct. 18, 2003.

Gave talk at the Manhattan Institute “The Causes of the eCommerce Meltdown” July 17 2003.

Presented “Alternative Copyright Systems: The Problems with a Compulsory License” at Conference on Copyright Issues, Progress and Freedom Foundation, Washington, June 10, 2003.

Presented “Alternative Copyright Systems: The Problems with a Compulsory License” at the 2003 conference of the *Society for Economic Research on Copyright Issues*, Northampton, MA, June 2003.

Led discussion on “Researchable empirical topics needed to inform public policy” at Workshop on Researching the Economic Implications of Fair Use, University of Texas at Austin, April 4-5, 2003.

Gave talk on Copyright and Internet issues at National Economists Club and Cato Institute, Washington DC, Jan 29<sup>th</sup>, 2003.

Presented *MP3 downloads and its impact on Copyright* at WISE conference in Barcelona (part of ISIS), December 2002.

Keynote speaker at the Inaugural Conference of the *Society for Economic Research on Copyright Issues*. Madrid Spain, June, 2002.

Presented “Internet Meltdown: The Legacy of Bad Economics” at a conference on the New Economy, *Bush School*, Texas A&M University, April 19, 2002.

Provided my thoughts to a Department of Justice/Federal Trade Commission task force on Antitrust and Intellectual Property, February 20, 2002, Washington DC.

Presented paper “Copyright, Piracy and Fair Use in the Networked Age” at the *American Economic Association* meetings, Atlanta, January 2002.

Presented Paper “Copyright, Piracy and Fair Use in the Networked Age” at *Cato/Forbes* conference on Copyright and new technology, November 14, 2001, Washington, D.C.

Presented Paper “Measuring the value of copyrighted Goods” at a conference on Copyright Issues, *University of Montreal*, October 11, 2001.

Gave public lecture on the Microsoft Case at the *University of Western Ontario*, September 28, 2001.

Discussed Microsoft case at the *Academy of Management* meetings, Washington DC, August, 2001.

Presented “Copyright in the Networked Age” *American Law and Economics Association* Meetings, Washington DC, May 11, 2001.

Spoke to directors of *Calvert Mutual Funds* about socially responsible investing and antitrust. November 1, 2000, Washington DC.

Conference on Antitrust Issues in High Technology, *George Mason University*, Washington DC, October 27, 2000, talk on Microsoft remedies.

A keynote address on Economics of High Tech at the *21st Century Commerce International EXPO*, Albuquerque, New Mexico, October 24, 2000.

Talk and Book Signing at *Microsoft*. Redmond Washington, July 8, 2000.

Keynote address at E-business conference in Frankfurt, Germany, May 25, 2000. “Competition, Monopoly, and Regulation in the Information Age.”

Discussion of the Microsoft Case at *New York University*, May 5, 2000.

Debated the ‘breakup’ remedy with Steve Salop (Georgetown), Tom Lenard (PFF), Bob Litan (Brookings) and Kenneth Elzinger (Virginia) at National Press Club, Washington DC, February 25, 2000, hosted by the *Progress and Freedom Foundation*. Carried live on C-Span.

Debated “Microsoft Remedies” with Hiam Mendelson (Stanford) and Eric Clemons (Wharton) at *Workshop in Information Systems and Economics*, (ISIS) Charlotte, NC, Dec 12, 1999.

Debated “Microsoft Remedies” with Tom Lenard at *Manhattan Institute*, NY, December 9, 1999.

Presented Paper: "Causes and Consequences of Market Leadership in Application Software," (with Steve Margolis), *Canadian Law and Economics Association Meetings*, Toronto, Canada, September 25, 1999.

Presented “The Role of Quality in Market Performance” at *McKinsey* conference, Boston, July 13, 1999.

Presented “Breaking Windows: Estimating the Cost of Breaking up Microsoft Windows” at *Ralph Nader’s conference on Microsoft Remedies*, Washington DC April 30, 1999.

Presented Paper: "Causes and Consequences of Market Leadership in Application Software," (with Steve Margolis) at conference: Competition and Innovation in the Personal Computer Industry, Carlsbad, California, April 24, 1999.

Presented work on the Microsoft case to the *Association of Private Enterprise Education*, April 13, 1999, Orlando Florida.

Debated J Cooper, “Microsoft: Consumer Friend or Foe?” March 18, 1999, *Consumer Federation of America*, Washington DC.

Presented research on Competition in Network Industries at a conference on Dynamic Competition and Public Policy put on by *George Mason University*, Washington DC December 16, 17, 1998.

Gave talk entitled: “A funny thing about networks” at the *Cato/Forbes* conference on Technology and Society, November 21, 1998, San Jose California.

Presented research on software markets at *Southern Economics Association* meetings, November 8, 1998, Baltimore Maryland.

Discussed research at press conference hosted by *Microsoft*, October 16, 1998, National Press Club, Washington DC.

Panel discussion about economics involved in Microsoft case, September 23, 1998, *Federalist Society*, Russell Office Building, US Senate, Washington DC.

Panel discussion about economics involved in Microsoft case at *Upside Magazine Summit*, September 17, 1998, Washington DC.

Panel discussion about economics involved in Microsoft case hosted by *Competitive Enterprise Institute*, August 28, 1998 in Seattle and September 21, 1998 in Washington DC.

Presented talk on Microsoft to reporters at the *Independent Institute*, April 16, 1998.

Spoke to reporters and editors from Washington Post, Wall Street Journal, Feb 27-28, 1998. Business Week, Newsweek, PC magazine, Barrons on March 31, April 1, 1998. Independent Institute Event.

Press conference hosted by the *Independent Institute* on Path Dependence, Network Effects, and Antitrust. February 3, 1998, National Press Club, Washington DC

Discussed three papers on the Liebowitz and Margolis critique of Path Dependence at the *Social Science History Meetings*, Washington DC, October 1997.

Gave Presentation On The Topic: "Is Microsoft A Threat To Competition" At The *Cato Institute*, Washington D.C., August 24, 1995. Broadcast Live And Repeated On C-span.

Presented Invited Paper "Do We Get Stuck With the Wrong Technologies" At Conference On Technological Change At *Johann Wolfgang Goethe University*, Frankfurt Germany, June 21, 1995.

Arranged Invited Session on Mortgage Discrimination at The *Western Economic Association Meetings* In San Diego, July 1995.

*Western Economic Association*, San Francisco, California, 1992. "Understanding Network Externalities."

*Office of Technology Assessment*, Reviewed Work By W. Johnson On Copying And Copyright, Washington D.C. December 1988.

*Western Economic Association*, San Francisco, California, 1986. "Restricted And Unrestricted Rights In Intellectual Property". Also A Discussant of Papers By C. Meyer.

*Telecommunications Policy Research Conference*, Airlie, Virginia, 1986. Discussant Of Papers By S. Besen And P. Samuelson.

Challenge of Change Symposium on Broadcasting, Edmonton, Alberta, 1985. "The Canadian Broadcasting Corporations Cost's Of Operation".

*Western Economic Association*, Seattle, Washington, 1983. "Copying and Appropriability,"

Conference on The Economic Of Intellectual Property, London, Canada, 1983. "Copyright Law, Photocopying and Price Discrimination". Discussant of Papers by F. Hay and J. Whalley.

Telecommunications Policy Research Conference, Annapolis, Maryland, 1982. "The Betamax Case: An Economic Perspective".

*Canadian Economic Association Meetings*, 1980. "The Impacts of Cable Television".

Interdepartmental Committee on Proposed Changes in Copyright Legislation, *Canadian Government*, 1980. "Reprography and the Copyright System".

Interdepartmental Committee on Proposed Changes In Copyright Legislation, *Canadian Government*, 1979. "Cable Television and Copyright".

### ***Research Contracts***

1999 McKinsey and Company, To Investigate the Impact of Product Quality on Firm Performance.

1988 US Congress, Office of Technology Assessment, To Review Work By William Johnson On The Impact Of Copying On Copyright.

- 1983 US. Congress, Office of Technology Assessment, The Impact Of Intellectual Property Laws On The Research And Development of Computer Technologies.
- 1982 Centre For The Economic Analysis Of Property Rights, University of Western Ontario - To Examine Interactions Of Complementary Products When One Is A Copyrighted Material.
- 1981 Department Of Communications - To Investigate the Efficiency of The Canadian Broadcasting Corporation.
- 1979 Bureau of Intellectual Property, Consumer and Corporate Affairs - To Investigate the Impact of Reprography on The Copyright System.
- 1978 Bureau of Intellectual Property, Consumer and Corporate Affairs - To Investigate Impact of Cable Television on Copyright, 1978-1979.

### ***Other Activities***

Expert Witness in the US and Canada.

Consultant to Association for Competitive Technology (1999-2003), McKinsey (1999); Ohio Savings Bank (1999); Microsoft (1996-7), CBS (1990), SOCAN (1985-2006), Golden Eagle Foods (1984), Wal-Mart (2000), Law Firms.

Guest on Radio and Television Programs. NBC Evening News, November 8, 1999; Cavuto Business Report, Fox News, September 21, 1999; May 1, 2000; Lehrer New Hour, April 14, 2000. Numerous radio and local television appearances.

### ***University Service***

2000- Numerous faculty committees

1996-1999 Academic Associate Dean Management School;

1994-95 Member of Accreditation Task Force; Committee on Educational Policy; Committee on Undergraduate Requirements

1993-94 Faculty Senate; Committee On Educational Policy; Committee On Undergraduate Requirements; School Of Management Curriculum Committee; Arranged Visit of James Buchanan - Nobel prize winner in economics.

1992-93 Faculty Senate; Academic Council; College Master For School Of Management; Committee On Educational Policy; Committee On Undergraduate Requirements; Intellectual Property Committee; School Of Management Curriculum Committee

1991-2: Intellectual Property Committee; School Of Management Curriculum Committee