### Leslie M. Marx

# Fuqua School of Business, Duke University, Durham, NC 27708 marx@duke.edu

#### EDUCATION

Ph.D., Economics, Northwestern University, 1994 M.A., Economics, Northwestern University, 1991 B.S., Mathematics, Duke University, 1989

## Professional Experience

Fugua School of Business and Department of Economics, Duke University

Robert A. Bandeen Professor of Economics, 2013–present

William and Sue Gross Research Fellow, 2012–2013

Professor of Economics, 2008–2013

Fugua School of Business, Duke University

Associate Professor of Economics with tenure, 2002–2008 (on leave 2005-2006)

Toulouse School of Economics, Visiting Scholar, June–July 2018

University of Melbourne

Visiting Eminent Scholar, July-August 2019

Visiting Eminent Scholar, June–July 2016

Visiting Eminent Scholar, June–July 2014

Academic Visitor, January–July 2012

U.S. Federal Communications Commission

Chief Economist, August 2005-August 2006

W.E. Simon Graduate School of Business Administration, University of Rochester

Associate Professor of Economics and Management with tenure, 2000–2002

W.E. Simon Graduate School of Business Administration, University of Rochester

California Institute of Technology, Visiting Associate in Economics, January–June 2000

Associate Professor of Economics and Management, 1999–2000

Assistant Professor of Economics and Management, 1994–1999

## TEACHING EXPERIENCE

MBA: Managerial Economics, Environmental Economics, Managerial Decision Analysis, Managerial Game Theory

Executive MBA: Environmental Economics, Managerial Decision Analysis, Managerial Economics, Managerial Game Theory

Ph.D.: Game Theory, Industrial Organization

#### Publications

"Efficient Consignment Auctions" (with Bing Liu and Simon Loertscher), forthcoming in *Review of Economics and Statistics*.

- "Coordination in the Fight Against Collusion" (with Elisabetta Iossa, Simon Loertscher, and Patrick Rey), forthcoming in American Economic Journal: Microeconomics.
- "Informed Sources Informed Sources and the Role of Platforms for Facilitating Anticompetitive Communication" (with David P. Byrne, Nicholas de Roos, and A. Rachel Grinberg), forthcoming in *Cartels Diagnosed: New Insight on Collusion*, edited by Joseph E. Harrington, Jr., and Maarten Pieter Schinkel, Cambridge University Press.
- "Bilateral Trade with Multi-Unit Demand and Supply" (with Simon Loertscher), Management Science 69(2), 1146–1165 (2023).
- "Asymptotically Optimal Prior-Free Asset Market Mechanisms" (with Simon Loertscher), Games and Economic Behavior 137, 68–90 (2023).
- "To Sell Public or Private Goods" (with Simon Loertscher), Review of Economic Design 26, 385–415 (2022).
- "Incomplete Information Bargaining with Applications to Mergers, Investment, and Vertical Integration" (with Simon Loertscher), American Economic Review 112(2), 616–649 (2022).
- "Double Markups, Information, and Vertical Mergers," (with Simon Loertscher), Antitrust Bulletin 67(3) 434–441 (2022). Winner of the Jerry S. Cohen Memorial Fund Writing Award for Best Antitrust Article of 2022 on Vertical Mergers.
- "On The Misuse of Regressions of Price on the HHI in Merger Review" (with Nathan Miller, Steven Berry, Fiona Scott Morton, Jonathan Baker, Timothy Bresnahan, Martin Gaynor, Richard Gilbert, George Hay, Ginger Jin, Bruce Kobayashi, Francine Lafontaine, James Levinsohn, John Mayo, Aviv Nevo, Ariel Pakes, Nancy Rose, Daniel Rubinfeld, Steven Salop, Marius Schwartz, Katja Seim, Carl Shapiro, Howard Shelanski, David Sibley, Andrew Sweeting), Journal of Antitrust Enforcement 10(2), 248–259 (2022).
- "Coordinated Effects in Merger Review" (with Simon Loertscher), Journal of Law & Economics 64(4), 705–744 (2021); winner of the Jerry S. Cohen Memorial Fund Writing Award for Best Antitrust Article of 2021 on Coordinated Effects.
- "Digital Monopolies: Privacy Protection or Price Regulation?" (with Simon Loertscher), International Journal of Industrial Organization 71, 1–13 (2020).
- "The Possibility of Social-Surplus-Reducing Vertical Mergers" (with Simon Loertscher), CPI Antitrust Chronicle, October 2020, 1–5 (2020).
- "A National Ventilator Exchange Could Address Critical Shortages" (with Simon Loertscher), *The Hill*, March 27, 2020 (2020).
- "Asymptotically Optimal Prior-Free Clock Auctions" (with Simon Loertscher), *Journal of Economic Theory* 187, 1–34 (2020).
- "A Dominant-Strategy Asset Market Mechanism" (with Simon Loertscher), Games and Economic Behavior 120, 1–15 (2020).
- "What Next? Cartel Strategy after Getting Caught" (with Robert C. Marshall and Claudio Mezzetti) in Competition Law and Economics: Developments, Policies and Enforcement Trends

- in the US and Korea, edited by Jay Pil Choi, Wonhuyk Lim, and Sang-Hyop Lee, Edward Elgar Publishing, Chapter 7, 125–144 (2020).
- "Merger Review with Intermediate Buyer Power" (with Simon Loertscher), *International Journal of Industrial Organization* 67, 1–16 (2019).
- "Mix-and-Match Divestitures and Merger Harm" (with Simon Loertscher), *Japanese Economic Review* 70(3), 346–366 (2019).
- "Merger Review for Markets with Buyer Power" (with Simon Loertscher), *Journal of Political Economy* 127(9), 2967–3017 (2019).
- "Two-Sided Allocation Problems, Decomposability, and the Impossibility of Efficient Trade" (with David Delacrétaz, Simon Loertscher, and Tom Wilkening), *Journal of Economic Theory* 179, 416–454 (2019).
- "A Tussle Over Royalties: *Pandora v. ASCAP*, *Pandora v. BMI*, and the DOJ's Consent Decree Review" (with Keith Waehrer), *The Antitrust Revolution*, 7th edition, edited by John E. Kwoka, Jr., and Lawrence J. White, Oxford University Press, Chapter 10, 229–249 (2018).
- "Auctions with Bid Credits and Resale" (with Simon Loertscher), International Journal of Industrial Organization 55, 58–90 (2017).
- "Club Good Intermediaries" (with Simon Loertscher), International Journal of Industrial Organization 50, 430–459 (2017).
- "Defending Against Potential Collusion by Your Suppliers—26th Colin Clark Memorial Lecture," Economic Analysis and Policy 53, 23–128 (2017).
- "A Long Way Coming: Designing Centralized Markets with Privately Informed Buyers and Sellers" (with Simon Loertscher and Tom Wilkening), Journal of Economic Literature 53(4), 857–897 (2015). Reprinted in Recent Developments in the Economics of Information, edited by Cristiano Antonelli, International Library of Critical Writings in Economics 342, Chapter 29 (2018).
- "Antitrust Leniency with Multiproduct Colluders" (with Claudio Mezzetti and Robert C. Marshall), American Economic Journal: Microeconomics 7(3), 205–240 (2015).
- "Buyer Resistance for Cartel versus Merger" (with Vikram Kumar, Robert C. Marshall, and Lily Samkharadze), *International Journal of Industrial Organization* 39, 71–80 (2015).
- "Leniency, Profiling and Reverse Profiling: Strategic Challenges for Competition Authorities" (with Claudio Mezzetti), in C. Beaton-Wells and C. Tran eds., *Anti-Cartel Enforcement in a Contemporary Age: The Leniency Religion*, Hart Publishing, 107–122 (2015).
- "Tacit Collusion in Oligopoly" (with Edward Green and Robert C. Marshall), in Roger D. Blair and D. Daniel Sokol eds., Oxford Handbook on International Antitrust Economics, Vol. 2, Oxford, UK: Oxford University Press, 464–497 (2015).
- "Effects of Antitrust Leniency on Concealment Effort by Colluding Firms" (with Claudio Mezzetti), Journal of Antitrust Enforcement 2(2), 305–332 (2014); winner of "Best Economics Article – 2015 Antitrust Writing Awards."

"What Next? Cartel Strategy After Getting Caught" (with Robert C. Marshall and Claudio Mezzetti), forthcoming in *Competition Law and Economics: Beyond Monopoly Regulation*, East-West Center and Korea Development Institute Monograph Series, Edward Elgar.

"An Oligopoly Model for Analyzing and Evaluating (Re)-Assignments of Spectrum Licenses" (with Simon Loertscher), Review of Industrial Organization 45(3), 245–273 (2014).

"Section 1 Sherman Act: Compliance from an Economic Perspective" (with Robert C. Marshall), in Nicolas Charbit and Elisa Ramundo eds., William E. Kovacic: An Antitrust Tribute Liber Amicorum – Volume II, Institute of Competition Law (2014). Reprinted in Concurrences 1 (2016).

"The Economics of Auctions and Bidder Collusion" (with Robert C. Marshall and Michael J. Meurer), in Kalyan Chatterjee and William Samuelson eds., *Game Theory and Business Applications*, 2nd Edition, New York: Springer (2014).

"Economics and the Efficient Allocation of Spectrum Licenses" (with Simon Loertscher), in Tansu Alpcan, Holger Boche, Michael L. Honig, and H. Vincent Poor eds., *Mechanisms and Games for Dynamic Spectrum Access*, Cambridge, UK: Cambridge University Press (2014).

The Economics of Collusion: Cartels and Bidding Rings (with Robert C. Marshall), MIT Press (2012).

## Reviews and excerpts:

John Asker, New York University, Institute of Competition Law, Concurrences No. 2-2013 (http://www.concurrences.com/Journal/Issues/No-2-2013/The-Economics-of-Collusion-Cartels-52089?ordre suivant=num%20titre&onglet=15&lang=en)

Don Klawiter, Sheppard Mullen, Competition Law International 9(1), April 2013 (http://www.ibanet.org/Article/Detail.aspx?ArticleUid=ed5f5dd7-d86e-4a30-9356-50e1c7682898#7)

William E. Kovacic, George Washington University, *The Antitrust Source*, December 2012 (http://www.americanbar.org/content/dam/aba/publishing/antitrust\_source/dec12\_kovacic\_review\_12\_20f.authcheckdam.pdf)

John J. Siegfried, Vanderbilt University and University of Adelaide, *Journal of Economic Literature* 50, December 2012 (https://faculty.fuqua.duke.edu/~marx/bio/papers/SiegfriedJELReview.pdf)

Excerpt in European Financial Review, August/September 2012 (http://www.european financialreview.com)

"Plus Factors and Agreement in Antitrust Law" (with William E. Kovacic, Robert C. Marshall, and Halbert L. White), *Michigan Law Review* 110(3), 393–436 (2011). Winner of the Tenth Annual Jerry S. Cohen Memorial Fund Writing Award given for the best antitrust writing during the prior year.

"Bidder Collusion at First-Price Auctions" (with Giuseppe Lopomo and Peng Sun), Review of Economic Design 15(2), 177-211 (2011).

"Coordinated Effects in the 2010 Horizontal Merger Guidelines" (with Wayne-Roy Gayle, Robert C. Marshall, and Jean-François Richard), Review of Industrial Organization 39(1), 39–56 (2011).

- "Carbon Allowance Auction Design: An Assessment of Options for the U.S." (with Giuseppe Lopomo, David McAdams, and Brian Murray), Review of Environmental Economics and Policy 5(1), 25–43 (2011).
- "The Economics of Contingent Re-Auctions" (with Sandro Brusco and Giuseppe Lopomo), American Economic Journal: Microeconomics, 3(2), 165–193, (2011).
- "Break-Up Fees and Bargaining Power in Sequential Contracting," (with Greg Shaffer), *International Journal of Industrial Organization* 28, 451–463 (2010).
- "Slotting Allowances and Scarce Shelf Space" (with Greg Shaffer), Journal of Economics & Management Strategy 19(3), 575–603 (2010).
- "Quantitative Analysis of Coordinated Effects" (with William E. Kovacic, Robert C. Marshall, and Steven P. Schulenberg), Antitrust Law Journal 76(2), 397–430 (2009).
- "Individual Accountability in Teams" (with Francesco Squintani), Journal of Economic Behavior & Organization 72, 260–273 (2009).
- "Cartels as Two-Stage Mechanisms: Implications for the Analysis of Dominant-Firm Conduct" (with Randall D. Heeb, William E. Kovacic, and Robert C. Marshall), *Chicago Journal of International Law* 10(1), 213–231 (2009).
- "The Vulnerability of Auctions to Bidder Collusion" (with Robert C. Marshall), Quarterly Journal of Economics 124(2), 883–910 (2009).
- "The 'Google Effect' in the FCC's 700 MHz Auction" (with Sandro Brusco and Giuseppe Lopomo), Information Economics and Policy 21, 101–114 (2009).
- "Cartel Price Announcements: The Vitamins Industry" (with Robert C. Marshall and Matthew E. Raiff), *International Journal of Industrial Organization* 26, 762–802 (2008). Winner of the 2009 Paul Geroski Award for being one of two best papers published in *International Journal of Industrial Organization* in 2008.
- "Upfront Payments and Exclusion in Downstream Markets" (with Greg Shaffer), RAND Journal of Economics 38, 823–843 (2007).
- "Rent Shifting and the Order of Negotiations" (with Greg Shaffer), International Journal of Industrial Organization 25, 1109–1125 (2007).
- "Bidder Collusion" (with Robert C. Marshall), Journal of Economic Theory 133, 374–402 (2007).
- "Lessons for Competition Policy from the Vitamins Cartel" (with William E. Kovacic, Robert C. Marshall, and Matthew E. Raiff), in *The Political Economy of Antitrust*, Volume 282, Contributions to Economic Analysis Series, edited by Vivek Ghosal and Johan Stennek, Elsevier, Chapter 6, 149–176 (2007).
- "Exploring Relations Between Decision Analysis and Game Theory" (with Jules van Binsbergen), Decision Analysis 4, 32–40 (2007).
- "Coordinated Effects in Merger Review: Quantifying the Payoffs from Collusion," (with William E. Kovacic, Robert C. Marshall, and Steven P. Schulenberg), Annual Proceedings of the Fordham Competition Law Institute: International Antitrust Law & Policy, edited by Barry E. Hawk, Juris Publishing, Inc., Chapter 13, 271–285 (2007).

- "Economics at the Federal Communications Commission," Review of Industrial Organization 29, 349–368 (2006).
- "Bidding Rings and the Design of Anti-Collusion Measures for Auctions and Procurements" (with William E. Kovacic, Robert C. Marshall, and Matthew E. Raiff), in *Handbook of Procurement*, edited by Nicola Dimitri, Gustavo Piga and Giancarlo Spagnolo, Cambridge University Press, Chapter 15, 381–411 (2006).
- "Inefficiency of Collusion at English Auctions" (with Giuseppe Lopomo and Robert C. Marshall), Contributions in Theoretical Economics 5 (1), Article 4 (2005). http://www.bepress.com/bejte/contributions/vol5/iss1/art4
- "Opportunism and Menus of Two-Part Tariffs" (with Greg Shaffer), International Journal of Industrial Organization 22, 1399–1414 (2004).
- "Opportunism in Multilateral Vertical Contracting: Nondiscrimination, Exclusivity, and Uniformity: Comment" (with Greg Shaffer), American Economic Review 94, 796–801 (2004).
- "The Joint Determination of Leverage and Maturity" (with Michael J. Barclay and Clifford W. Smith, Jr.), *Journal of Corporate Finance* 9, 149–67 (2003). Winner of Outstanding Paper in Corporate Finance at the 1997 Southern Finance Association Meetings.
- "Adverse Specialization" (with Glenn M. MacDonald), Journal of Political Economy 109, 864–899 (2001).
- "Insurer Ownership Structure and Executive Compensation as Complements" (with David Mayers and Clifford W. Smith, Jr.), *The Journal of Risk and Insurance* 68, 449–463 (2001). Winner of Outstanding Paper in Financial Services at the 1998 Southern Finance Association Meetings.
- "Dynamic Voluntary Contribution to a Public Project" (with Steven A. Matthews), Review of Economic Studies 67, 327–358 (2000).
- "Predatory Accommodation: Below-Cost Pricing Without Exclusion in Intermediate Goods Markets" (with Greg Shaffer), RAND Journal of Economics 30, 22–43 (1999).
- "Payments for Order Flow on Nasdaq" (with Eugene Kandel), Journal of Finance 54, 35–66 (1999).
- "Odd-Eighth Avoidance as a Defense Against SOES Bandits" (with Eugene Kandel), *Journal of Financial Economics* 51, 85–102 (1999).
- "Adaptive Learning and Iterated Weak Dominance," Games and Economic Behavior 26, 253–278 (1999).
- "Process Variation as a Determinant of Bank Performance: Evidence from the Retail Banking Study" (with Frances Frei, Ravi Kalakota, and Andrew Leone), *Management Science* 45, 1210–1220 (1999).
- "The Effects of Transaction Costs on Stock Prices and Trading Volume" (with Michael J. Barclay and Eugene Kandel), *Journal of Financial Intermediation* 7, 130–150 (1998).
- "Efficient Venture Capital Financing Combining Debt and Equity," Review of Economic Design 3, 371–387 (1998); Winner of the Koç University Prize for the Best Paper of the Year in Review of Economic Design.

"Nasdaq Market Structure and Spread Patterns" (with Eugene Kandel), *Journal of Financial Economics* 45, 35–60 (1997).

"Order Independence for Iterated Weak Dominance" (with Jeroen M. Swinkels), Games and Economic Behavior 18, 219–245 (1997). "Corrigendum," GEB 31, 324–329 (2000).

"Cost Effective Use of Muscle Relaxants: A Decision Analysis" (with Jeffrey S. Rubenstein, Wendy Colin, Darryl Jackson, Craig Lockwood, and Janice Molloy), *Pediatrics* 100, 451–452 (1997).

## WORKING PAPERS

"Vertical Integration with Incomplete Information" (with Simon Loertscher), 2022

"Incomplete-Information Models for Industrial Organization" (with Simon Loertscher), 2021

"Opportunism and Nondiscrimination Clauses" (with Greg Shaffer), 2001

## Grants

Australian Research Council Discovery Project Grant DP200103574, 2020–2023

University of Melbourne Faculty of Business and Economics Eminent Research Scholar Grant, 2014, 2016, 2019

National Science Foundation Grant #SES-0849349, "Applied Mechanism Design," 2009–2011 National Science Foundation Grant #SES-0001903, "Economic Analysis of Sequential Vertical Contracting Environments," 2000–2001

Emerging Scholar Program Grant from the American Compensation Association, "Compensation and Control in Entrepreneurial Ventures," 1997

### Honors and Awards

Jerry S. Cohen Memorial Fund Writing Award for Best Antitrust Article of 2022 on Vertical Mergers Excellence in Teaching Award: Global Executive MBA Class of 2019, Global Executive MBA Class of 2023

Jerry S. Cohen Memorial Fund Writing Award for Best Antitrust Article of 2021 on Coordinated Effects

Economic Theory Fellow, Society for the Advancement of Economic Theory, 2021

Global Competition Review, Women in Antitrust 2021

Fellow of the Game Theory Society, 2019

Finalist, Global Competition Review, Who's Who Legal: Competition 2017

American Antitrust Institute honoree for "Outstanding Antitrust Litigation Achievement in Economics," 2016

Best Economics Article – 2015 Antitrust Writing Awards

Honored as an "Outstanding Antitrust Litigation Achievement in Economics Finalist" by the American Antitrust Institute, October 2014

Honored as an "FCC Woman Leader" by The Minority Media and Telecommunications Council, April 2013

Global Competition Review (GCR) "Top 100 Women in Antitrust," March 2013

Financial Times Business School Professor of the Week, July 2012

2012 Tenth Annual Jerry S. Cohen Memorial Fund Writing Award, given to the best antitrust writing during the prior year (Awarded for "Plus Factors and Agreement in Antitrust Law" published in the *Michigan Law Review*)

2009 Paul Geroski Award, given to the two best papers published in *International Journal of Industrial Organization* in 2008

Simon School Teaching Honor Roll, 1999, 2001

Koç University Prize for the Best Paper of the Year in Review of Economic Design, 1998

Outstanding Paper in Financial Services at the Southern Finance Association Meetings, 1998

Outstanding Paper in Corporate Finance at the Southern Finance Association Meetings, 1997

Alfred P. Sloan Doctoral Dissertation Fellowship, 1993-94

National Science Foundation Graduate Fellowship, 1989-92

Mary Love Collins Memorial Scholarship, 1989-90

Marie James ACC Postgraduate Scholarship, 1989

Phi Eta Sigma Graduate Scholarship, 1989

Valedictorian and Summa Cum Laude Graduate, Duke University, 1989

Julia Dale Memorial Award in Mathematics, 1989

Duke University Faculty Scholar Award, 1988-89

Alice M. Baldwin Scholarship 1988-89

Phi Eta Sigma Senior Award, 1988-89

Phi Chi Theta Foundation Scholarship, 1988-89

Golden Key National Honor Society Scholarship, 1987-88

National Merit Scholarship, 1985

Phi Beta Kappa Scholarship, 1985

#### Professional Honors and Responsibilities

Selection Committee, Jerry S. Cohen Memorial Fudd Writing Award, 2022–2024

Research Fellow, Mannheim Centre for Competition and Innovation (MaCCI), 2022–2025

Executive Committee, European Association for Research in Industrial Economics, 2020–2023

Scientific Committee, 2021 EARIE Conference

Selection Committee for YEEA awards, 2021 EARIE Conference

Asia-Pacific IO Society, Scientific Board, 2021-present

Scientific Committee, CEPR Virtual IO Seminar Series, 2021

Program Committee, Asia-Pacific IO Conference, 2021

Guest Editor, EARIE 2020 Special Issue of International Journal of Industrial Organization

Chair of the Scientific Committee, EARIE Conference 2020

Scientific Committee, CRESSE, 2019–present

Co-editor, American Economic Journal: Microeconomics, 2019–2023

Scientific Advisory Board, International Journal of Industrial Organization, 2018-present

Associate, CRESSE, 2018–2019

Board of Centre for Market Design (Consortium of University of Melbourne, Australian Treasury,

Victoria Department of Treasury and Finance), 2016–present

Steering Committee, Concurrences Journal Antitrust Writing Awards Academic 2015–2017

Council Member, Game Theory Society, 2013–2019

Editorial Board of Journal of Economic Literature, 2010–2013

Advisory Editor for Games and Economic Behavior, 2010–2012

Editorial Board of International Journal of Game Theory, 2009–2021

Editorial Board of American Economic Journal: Microeconomics, 2007–2019

Academic Affiliate of the Center for the Study of Auctions, Procurements and Competition Policy at Penn State University, 2007–present

Associate Editor of International Economic Review, 2002–2005

## Consulting

Bates White, LLC, Washington, DC (2007–present)

Bloomberg, LP, New York, NY (2010)

U.S. Federal Communications Commission, Washington, DC (2006–2007)

Bates White, LLC, Washington, DC (2002–2005)

Latex International, Ansonia, CT (2001)

Xerox Corp., Rochester, NY (1999)

Rochester Gas & Electric Corp., Rochester, NY (1997, 1998)

Eastman Kodak Company, Rochester, NY (1995, 1996, 1999)

### TESTIFYING EXPERIENCE

Various Plaintiffs v. CSX Transportation, Inc., et al., MDL2, 2023 (expert report, deposition)

People of the State of California v. Vitol Inc. et al., Case No. CGC-20-584456, 2023 (expert reports, deposition)

United States Copyright Royalty Judges, Distribution of Cable Royalty Funds Consolidated Proceeding No. 16-CRB-0009-CD (2014-17), 2022 (expert report, trial testimony)

United States Copyright Royalty Judges, Determination of Rates and Terms for Making and Distributing Phonorecords (Phonorecords IV), Docket No. 21-CRB-0001-PR (2023–2027), 2021–2022 (expert reports, deposition)

In Re Rail Freight Fuel Surcharge Antitrust Litigation, MDL No. 1869, Case No. 07-489, 2020–2022 (expert reports, depositions)

Thomas Morgan Robertson et al. v. Spotify USA Inc., Case No. 3:17-cv-01616, and Robert Gaudio et al. v. Spotify USA Inc., Case No. 3:17-cv-01052, 2018–2019 (expert reports, depositions)

In Re Capacitors Antitrust Litigation, Case No. 17-md-02801-JD, 2018–2023 (expert reports, depositions, Daubert hearing testimony, trial testimony)

In Re Optical Disk Drive Products Antitrust Litigation, MDL No. 214, Case No. 3:10-md-2143 RS, 2017 (expert reports, deposition)

United States Copyright Royalty Judges, Determination of Rates and Terms for Making and Distributing Phonorecords (Phonorecords III), Docket No. 16-CRB-003-PR (2018–2022), 2016–2022 (expert reports, depositions, hearing testimony)

ACCC v Informed Sources, 2016 (expert report)

SOCAN-Re:Sound Pay Audio Services Tariffs, 2007–2016 (Copyright Board of Canada proceeding), 2016 (expert reports, hearing testimony)

In Re Cathode Ray Tube (CRT) Antitrust Litigation, Master File No. C-07-5944 JST, MDL No. 1917, 2016 (expert report)

Arbitration involving two large telecommunications companies, 2016 (expert report, testimony)

In Re Urethane Antitrust Litigation, No. 08-cv-05169 (D.N.J.), 2013–2016 (Rule 26 disclosure, deposition, Daubert hearing testimony, trial testimony)

In Re Anderson News, L.L.C. v. Am. Media, Inc., No. 09-cv-2227 PAC (S.D.N.Y.), 2014 (expert reports, counterclaim response report, deposition)

In Re Petition of Pandora Media, Inc., 12 Civ. 8035 (DLC) (MHD) ECF CASE 41 Civ. 1395 (DLC) (MHD), 2013 (expert reports, deposition, trial testimony)

In Re TFT-LCD (Flat Panel) Antitrust Litigation, MDL No. 07-1827 (N.D. Cal. Filed 2007), 2011–2014 (expert reports, depositions)

Emerson Electric Co., et al., v Le Carbone Lorraine, S.A., et al., No. 05-cv-06042, U.S. District Court for the District of New Jersey, 2009 (expert report)

Oxford Health Plans v Liberty Surplus Insurance Corporation, et al., C.A. No. 03C-04-268 (WCC), Delaware Superior Court, 2004 (expert report, deposition)

#### Personal Information

Member of 1996 U.S. Olympic Team in Fencing (16<sup>th</sup> place, women's epee)

Pan-American Games Gold Medalist in Fencing (women's epee), 1995

Pan-American Champion in Fencing (women's epee), 1997

U.S. National Champion in Fencing (women's epee), 1993, 1996

Masters World Champion in Fencing (50-59 women's epee), 2017

International Arabian Horse Assoc. National Champion, Saddle Seat Equitation, 1985