### JASON SCOTT JOHNSTON

*University of Virginia School of Law*

*580 Massie Road*

*Charlottesville, VA 22903-1738*

## Office: (434) 243-8552

Fax: (434) 924-7536

E-mail: jjohnston@law.virginia.edu

**EDUCATION:**

Graduate: The Joint Program in Law and Economics, The University of Michigan.

J.D., cum laude. The University of Michigan. Order of the Coif.

Ph.D., Economics. The University of Michigan. Aloca Fellow in Law and Economics.

Undergraduate: A.B., summa cum laude. Dartmouth College. Phi Beta Kappa, Highest Distinction in Economics Major; Haney Prize for Outstanding Senior Thesis.

**PERMANENT ACADEMIC AND PROFESSIONAL POSITIONS:**

2010 - Henry L. and Grace Doherty Charitable Foundation Professor of Law, University of Virginia School of Law

 1999-2010 Director, Program on Law, Environment, and Economy, University of Pennsylvania Law School

1995 - 2010 Professor, Robert G. Fuller Jr. Professor (since 2001), University Pennsylvania Law School

1989-1994: Professor (initially Associate Professor) Vanderbilt Law School

1985-1989: Associate (initially Assistant Professor) Professor of Law, Vermont Law School

1984-1985: Law Clerk, The Honorable Gilbert S. Merritt,

 United States Court of Appeals, Sixth Circuit

# FELLOWSHIPS, VISITING POSITIONS

 August, 2018: Julian Simon Fellow, Property and Environment Research Center

June, 2013: Erasmus MUNDUS Scholar, Rotterdam Institute of Law and Economics, Erasmus University Rotterdam, Netherlands

October, 2008

July, 2010 Lone Mountain Research Fellow, Property and Environment

August, 2012 Research Center (PERC)

Fall, 2007: Bosch Fellow in Public Policy, American Academy in Berlin

Spring 2001: Visiting Professor, University of Virginia School of Law

Summer 1998: Olin Visiting Fellow, University of Southern California Law Center

Fall 1993: Visiting Professor, University of Pennsylvania Law School

1988-1989: Senior Fellow in Civil Liability, Yale Law School

**GRANTS AND AWARDS:**

Searle Foundation Grant, 2009-2012, “Penn Workshops on Markets and the Environment”

Berlin Prize Fellowship, American Academy in Berlin, Fall 2007.

Robert A. Gorman Award for Teaching Excellence, University of Pennsylvania Law School, 2003

University Research Foundation Grant, 1998, “Studies in the Law and Economics of Litigation and Liability” (with Joel Waldfogel of Wharton).

**BAR ADMISSIONS:** Idaho (Status: Inactive)

**PUBLICATIONS:**

 **Books**

 **Institutions and Incentives in Regulatory Science** (Editor and Contributor. Lexington Press: 2012)

 **Articles and Book Chapters**

 “Regulatory Carrots and Sticks in Climate Policy: Some Political Economic

 Observations,” 6 *Texas A&M L. Rev.* 107-146 (2018).

“High Cost, Little Compensation, No Harm to Deter: New Evidence on Class Actions under Federal Consumer Protection Statutes,” 2017 *Columbia Business Law Review* 1-91

 “The Consumer Financial Protection Bureau’s Arbitration Study: A Summary and Critique,” (with Todd Zywicki), *Banking & Financial Services Policy Report* 9 (2016)

“Do Product Bans Help Consumers?: Questioning the Economic Foundations of Dodd- Frank Mortgage Regulation, “ 23 *Geo. Mason L. Rev*. 617-696 (2016)

 “The Social Cost of Carbon: How is it Derived and how is it used to Justify America’s Climate Policy?,” 39 *Regulation* 36-44 (2016)

“A Positive Political Economic Theory of Environmental Federalization,” 64 *Case Western Res. L. Rev.* 1549-1619 (2014) (Symposium Issue: PERC/LEC Workshop on Environmental Federalism)

 **“**Disasters and Decentralization.” 37 *Geneva Papers Risk & Insurance* 228-256 (2012)

 “Fire Suppression Policy, Weather, and Western Wildland Fire Trends: An Empirical Analysis,” in *Wildfire Policy: Law and Economic Perspectives* 158-177 (Karen Bradshaw and Dean Lueck, eds., 2012)(with Jonathan Klick).

 “Reforming State Consumer Protection Liability: An Economic Approach,” 2010

*Columbia Business Law Review* 1-109 (2010)(with Henry Butler).

 “Problems of Equity and Efficiency in the Design of International Greenhouse Gas Cap and Trade Schemes,” 33 *Harvard Environmental Law Review* 405-430 (2009).

 “The Law and Economics of Environmental Federalism: Europe and the United States Compared,” 27 *Virginia Environmental Law Review* 207-274 (2009)

“Fashioning Entitlements: A Comparative Law and Economic Analysis of the Judicial Role in Environmental Centralization in the U.S. and Europe” (with Michael G. Faure), in *Responsibility and Governance* (Giorgio Brosio, et. al., eds. ,Edward Elgar, 2009).

“Climate Change Confusion and the Supreme Court: The Misguided Regulation of Greenhouse Gas Emissions under the Clean Air Act,” 84 *Notre Dame L. Rev*. 1-75 (2008).

“A Looming Policy Disaster,” 31 *Regulation* 38-44 (Fall, 2008).

“Tradable Pollution Permits and the Regulatory Game,” in *Moving to Markets in Environmental Regulation: Lessons from Twenty Years of Experience*  353-385 (Charles Kolstad and Jody Freeman, eds., Oxford University Press, 2007).

“The Promise, and Limits of Voluntary Approaches to Regulatory Reform: An Economic and Legal Analysis of EPA’s Metal Finishing Industry Strategic Goals Program,” in *Leveraging the Private Sector* 167-200 (Cary Coglianese and Jennifer Nash, eds., Resources for the Future Press, 2006).

“The Return of Bargain: An Economic Theory of How Standard Form Contracts Enable Cooperative Negotiation between Businesses and Consumers,” 104 *Michigan Law Review* 857-898 (2006).

“The Rule of Capture and the Economic Dynamics of Natural Resource Use and Survival Under Open Access Management Regimes, 35 *Environmental Law* 855-898 (2005).

“The Tragedy of Centralization: The Political Economics of American Natural Resource Federalism,” 74 *University of Colorado Law Review* 487 – 649 (2003)

“Paradoxes of the Safe Society: A Rational Actor Approach to the Reconceptualization of Risk and the Reformation of Risk Regulation,” 150 *University of Pennsylvania Law Review* 747-786 (2003)

“A Game-Theoretic Analysis of Alternative Institutions for Regulatory Cost-Benefit Analysis,” 150 *University of Pennsylvania Law Review* 1343-1428 (2002)

“On the Market for Ecosystem Control,” 21*Virginia Journal of Environmental Law* 130 – 187 (2002)

“Does Repeat Play Elicit Cooperation? Evidence from Federal Civil Litigation,” (with Joel Waldfogel), 31(1) *Journal of Legal Studies* 39 -60 (June, 2002)

“The Law and Economics of Environmental Contracts,” in Kurt Deketelaere and Eric Orts, eds., *Environmental Contracts: Comparative Approaches to Regulatory Innovation in the United States and Europe* 271-304 (2000).

“Experimental Results on Bargaining under Alternative Property Rights Regimes,” (with Rachel Croson), *Journal of Law, Economics and Organization* 16(1): 50-73 (April 2000).

“On the Commons and the Common Law,” in Roger Meiners and Andrew Moriss, eds.*, The Common Law and the Environment* 211-242 (2000).

“Communication and Courtship: Cheap Talk Economics and the Law of Contract Formation,” 85 *Virginia Law Review* 385-501 (1999).

“Rules and the Possibility of Social Cooperation,” in Linda Meyer, ed. *Rules and Reasonings*: *Essays in Honor of Frederick Schauer* 109-126 (1999).

“Legal Formalities,” in Peter Newman, ed., *The New Palgrave Dictionary of Economics and Law* (1998).

“The Statute of Frauds,” in Peter Newman, ed., *The New Palgrave Dictionary of Economics and Law* ( 1998).

“Million Dollar Mountains: Prices, Sanctions, and the Economic Theory of Collective Social and Environmental Goods,” 146 *University of Pennsylvania Law Review* 1327-1370 (1998).

“The Statute of Frauds and Business Norms: A Testable Game-Theoretic Model,” 144 *University of Pennsylvania Law Review* 1859-1912 (1996).

“Bargaining Under Rules versus Standards,” 11 *Journal of Law, Economics and Organization* 256-281 (1995).

“Default Rules/Mandatory Principles: A Game Theoretic Analysis of Good Faith and the Contract Modification Problem,” 3 *S. Cal. Interdisc. L.J.* 1701-1754 (1993).

“The Influence of *The Nature of the Firm* on the Theory of Corporate Law,” 18 *J. Corp. Law* 213-244 (1993).

‘Opting In and Opting Out: Bargaining for Fiduciary Duties in Cooperative Ventures,” 70 *Washington University Law Quarterly* 291-340 (1992).

“Uncertainty, Chaos and the Torts Process: An Economic Analysis of Legal Form,” 76 *Cornell Law Review* 341-400 (1991).

“Strategic Bargaining and the Economic Theory of Contract Default Rules,” 100 *Yale Law Journal* 615-664 (1990).

“Law, Economics and Post-Realist Explanation,” 24 *Law and Society Review*, 1217-1254(1990).

“Bayesian Fact-Finding and Efficiency: Toward An Economic Theory of Liability Under Uncertainty,” 61 *Southern California Law Review* 137-181 (1987).

“Punitive Liability: A New Paradigm of Efficiency in Tort Law,” 87 *Columbia Law Review* 1385-1446 (1987).

 **Comments, Notes, Reviews, Online Contributions**

“Restoring Science and Economics to EPA’s Benefit Calculation,” The Regulatory

 Review, October 15, 2018, available at

 <https://www.theregreview.org/2018/10/15/johnston-restoring-science-economics-epa/>.

 “Restoring Objectivity and Balance to Regulatory Science: A Comment on Dudley and Peacock,” 24 *Supreme Court Economic Review* 101-108 (2017).

 “The Freedom to Fail: Market Access as the Path to Overcoming Poverty and Inequality,” 40 *Harv. J. L. & Pub. Policy* 41-49 (2017)

 “Public Nuisance Liability for Greenhouse Gas Emissions: A Cause of Action that Should not Exist,” 160 *University of Pennsylvania Law Review PENNumbra* 33 (2011) (opening statement of online debate with Dean Heidi Hurd of the University of Illinois, “Climate Change and the Courts”)

 “Desperately Seeking Numbers: Global Warming, Species Loss, and the Use and Abuse of Quantification in Climate Change Policy,” 155 *U. Pa. L. Rev.* 1901-1924 (2007).

**“**Investment, Information, and Promissory Liability,” 152 *U. Pa. L. Rev.* 1923-1946 (2004).

“Law, Judicial Review, and Formal Models of the Regulation Game: A Comment on de Figueiredo & de Figeuiredo,” 4 *Business & Politics* 183-185 (2002).

“Should the Law Ignore Commercial Norms?: A Comment on the Bernstein Conjecture and Its Relevance for Contract Law Theory and Reform,” 99 *Michigan Law Review* 1791- 1810 (2001).

“Not So Cold An Eye: Richard Posner's Pragmatism” (Review), 44 *Vanderbilt Law Review* 743-767 (1991).

**SELECTED LECTURES AND PRESENTATIONS:**

2017: “High Cost, Little Compensation, No Harm to Deter: New Evidence on Class Actions under Federal Consumer Protection Statutes,” Stanford Law School, Law and Economics Workshop

2016: “High Cost, Little Compensation, No Harm to Deter: New Evidence on Class Actions under Federal Consumer Protection Statutes,” Harvard Law School, Law and Economics Workshop

2015:

 “Do Product Bans Help Consumers? Questioning the Economic Foundations of Dodd- Frank Mortgage Regulation,” Harvard Law School, Law and Economics Workshop

 “Is Every Regulation Cost-Benefit Justified? The Costs of Methodological Pluralism in Benefits Estimation,” Society for Cost-Benefit Analysis Annual Meeting

2013: “Class Actions versus Arbitration: New Evidence and New Normative Questions,” George Mason University Law and Economics Center, Eighth Annual Symposium on Civil Justice Issues;

 “From Nudges to Mandates: Dodd Frank Mortgage Regulation as a Case Study in Behavioralist Policy Paradox,” Rotterdam Institute of Law and Economics, Erasmus University, and Joint Workshop of the European Association of Law and Economics and the Geneva Association of Risk and Insurance, University of Girona;

 “Regulation with Interested Experts,” Annual Meeting of the American Law and Economics Association.

2012: “”Economic Implications and Insights”(excerpt from ***Global Warming and the End of Environmental Law,*** draft book manuscript), Property and Environment Research Center;

 “Regulation with Interested Experts,” International Society for New Institutional Economics Annual Meeting;

 “Class Actions versus Arbitration: New Evidence and New Normative Questions,” George Mason University Law and Economics Center, Workshop on Arbitration;

 “Competition and Regulation in the New World of Commoditized and Unbundled Legal Products,” George Mason University Law and Economics Center, Conference “Unlocking the Law.”

2011: “Disasters and Decentralization,” Joint Workshop of the European Association of Law and Economics and Geneva Association on Risk and Insurance (“Climate Change and Insurance”), University of Innsbruck

2010**:** “On the Obstacles to Government-Directed Green Growth,” OECD conference (“Regulatory Policy at the Crossroads”)

 “The Omitted Variables Problem in Studies of the Climate-Wildfire Causal Connection,”

 University of Arizona Workshop on the Law and Economics of Wildfire

“The Structure and Process of the IPCC: A Critique,” Property and Environment Center Workshop

 “The Influence of the IPCC’s Structure and Process on the Evolution of Climate Science and Policy,” Penn Workshop on Markets and the Environment

 “Uncertainty and Climate Change Policy,” University of Virginia Debate on Uncertainty in Climate Change Science and Policy

2009: “Wildfire, Climate and Policy,” Penn Workshops on Markets and the Environment

2008:

“Consumer Harm Acts? An Economic Analysis of State Consumer Protection Laws,” (with Henry Butler) presented to the Harvard Law and Economics Workshop, Harvard Law School

“Climate Change Confusion and the Supreme Court: The Misguided Regulation of Greenhouse Gas Emissions under the Clean Air,” presented at the Georgetown University Law Center Environmental Law and Policy Seminar

“The Complexity and Cost of the Lieberman-Warner Climate Change Security Act,” presented to the U.S. Chamber of Commerce

2007:

Commentator and Principal Organizer, University of Pennsylvania Law Review Volume 155 Symposium, “Responses to Climate Change: Law, Economics and Science,” November, 2006.

“Fashioning Entitlements,…” presented to the Environmental Law and Economics Seminar, University of Arizona, April, 2007.

“Climate Change Litigation: The Interaction of Science and Economics,” Brookings/AEI Joint Regulatory Studies Program, Symposium on Scientific Evidence in the Courts, Georgetown University Law School, June, 2007.

2006:

Commentator on Eric Maskin (Institute for Advanced Study, Princeton), On the Rationale for Penalty Default Rules, Conference on the “Law and Economics of Contracts,” Columbia University Law School.

Presentation of “Centralization versus Decentralization in the Regulation and Management of Large Scale Risks” at the Law and Economics Workshop, University of Virginia School of Law.

Presentation of “Centralization versus Decentralization in the Regulation of Large Scale Risks,” American Law and Economics Association Annual Meetings, University of California, Berkeley.

Referee and Commentator (Environmental Law), Stanford/Yale Junior Faculty Colloquium

2005:

“Signaling Social Responsibility: The Law and Economics of Market Incentives for Corporate Environmental Performance,” New Directions in Regulation Seminar, Kennedy School of Government, Harvard University

“Centralization versus Decentralization in the Regulation and Management of Large Scale Risks,” Montreal-Toulouse Conference on the Law and Economics of Risk Management, University of Montreal/University of Toulouse Departments of Economics

“Fashioning Entitlements: A Brief Analytical History of the Judicial Role in American Environmental Regulation,” Symposium on Environmental Policies in Decentralized Governmental Systems, Alghero, Sardinia, University of Turin Department of Economics

“The Rule of Capture in American Environmental and Land Use Law: An Economic Analysis,” Conference on the Rule of Capture and its Consequences, Northwestern Law School, Lewis & Clark College

 “Tradable Pollution Permits and the Regulatory Game,” University of Arizona, Department of Agricultural and Resource Economics Colloquium

“Regulatory Structure and Market Incentives for Clean Technology: on Optimal Grandfathering,” Temple University Law School Conference on Environmental Regulation and Intellectual Property

“Signaling Social Responsibility,” Vanderbilt University Law School and Owen School of Business, Law and Economics Seminar

2004:

“The Return of Bargain: An Economic theory of Standard Form Contracts and the Negotiation of Business Relationships,” University of Pennsylvania Law School Fall Retreat, and University of Arizona Law School Faculty Enrichment Colloquium

Seminar, University of Chicago Law School

2003:

“The Promise and Limits of Voluntary Approaches to Environmental Regulatory Reform,” Harvard University/Resources for the Future conference, “Leveraging the Private Sector”

“Tradable Pollution Permits and the Regulatory Game,” University of California, Santa Barbara, Bren School of the Environment, Workshop on Thirty Years of Economic Incentive Schemes in Environmental Regulation

“Signaling Social Responsibility,” University of Michigan Law School, Law and Economics Workshop; American Law and Economics Association Annual Meetings

2002:

 “Thresholds, Tipping Points and the Law,” Stanford Law School Law and Economics Workshop

2001:

“A Game Theoretic Analysis of Alternative Institutions for Regulatory Cost-

Benefit Analysis,” University of Virginia School of Law, Olin Law and Economics Workshop.

2000:

“Adversarial versus Inquisitorial Regulatory Cost-Benefit Analysis”, American Law and Economics Association Meeting, New York University School of Law, Georgetown University Law Center, Duke University School of Law.

"Law and Commercial Norms: What do we Learn from Private Lawmaking?", University Of Michigan Law School conference on Empirical Methods in Commercial Law Scholarship.

"Does Repeat Play Enhance Cooperation? Evidence from Federal Civil Litigation," (with Joel Waldfogel), National Bureau of Economic Research Summer Institute, Cambridge, Massachusetts.

“On the Market for Ecosystem Control,” University of Virginia School of Law Conference (“Saving Nature”)

1999:

 “The Law and Economics of Environmental Contracts,” Wharton/Penn Law Impact Conference; University of Texas Law School Faculty Colloquium.

“Why History Matters” American Law and Economics Association Annual Meeting, Yale Law School.

 “Communication and Courtship,” Cornell Law School Faculty seminar:

“The Economics of Environmental Regulation and Enforcement,” Stanford Law School Environment and Natural Resource Policy Seminar.

“Experimental Evidence on Bargaining under Alternative Property Rights Regimes,” American Law and Economics Association Annual Meetings, University of California, Berkeley.

 “On the Commons and the Common Law,” PERC Conference on the

Common Law and the Environment

1997:

“Million Dollar Mountains,” University of Pennsylvania Symposium on Law and Incommensurability.

"Communication and Courtship," New York University, Law, Economics and Politics Colloquium.

1996:

"Legal Enforcement of Contracts and the Evolution of Cooperation,"

Gruter Institute Symposium on Law, Biology and Evolution.

"The Statute of Frauds and Business Norms," University pf Pennsylvania Symposium on Law, Economics and Social Norms; Law & Society Assoc. Annual Meetings, Glasgow, Scotland.

1995:

"The Regulation of Solid Waste. An Economic Approach," University of Pennsylvania Roundtable on Environmental Federalism and the Regulation of Solid and Hazardous Waste.

"Discovering Contract," American Law and Economic Association. Annual meetings, University of California at Berkeley.

"Statutory Interpretation and Legislative Incentives, " University of California at Berkeley, Workshop on the Economics of Law and Organizations.

1994:

Comment on Klausner, University of Pennsylvania Law and Economics Institute Roundtable on the Regulation of Mutual Funds.

"Bargaining Under Rules versus Standards": Stanford University Law and Economics Workshop; Cardozo Law School, Yeshiva University, Legal Theory Workshop; University of Chicago Law and Economics Workshop.

"Cheap Talk, Sunk Costs, and Contractual Liability in Preliminary Negotiations": American Law & Economics Association Annual Meetings, Stanford Law School.

1993:

"Bargaining Under Rules versus Standards": University of Pennsylvania Law and Economics Seminar, Public Choice Society Annual Meetings, Duke University Law and Economics Seminar.

 "Notes on the Economic Theory of Legal Evolution": American Law and Economics Association Annual Meeting, Northwestern University Law School.

1992:

"The Economic Analysis of Contract Remedies: An Updated Survey": AALS Annual Meeting Contracts Section.

"Empathy and Economics": University of Toronto Law and Economics Seminar.

"Bargaining and Form," Duquesne Law and Economics Symposium; American Law and Economics Association Annual Meeting; Washington University Political Economy Center Seminar.

"Nonlinear Economics and the Theory of Legal Evolution" (Comments on Ayres, Hadfield and Kornhauser), American Law and Economics Association Annual Meetings.

"Statutory Interpretation and Legislative Incentives," Public Choice Society Annual Meetings, Panel on Positive Political Theory and Statutory Interpretation.

"Consequences of Constructionism, George Mason University Legal Studies Workshop.

"On the Economic Relevance of Default Rules," University of Southern California Law Center Symposium on Default Rules in Contract Law.

1991:

"Opting In and Opting Out" Bargaining for Fiduciary Duties in Cooperative Ventures," Washington University Law and Economics Center Conference on Corporate Law; The University of Michigan Law and Economics Workshop; European Association of Law and Economics Annual Meeting.

"Empathy and Economics" Law and Society Annual Meetings; Socioeconomic Society Annual Meeting.

"Bargaining and Form" University of California, Berkeley, Law and Economics Seminar; Northwestern University Law Faculty Seminar.

"Statutory Interpretation and Legislative Incentives": Georgetown University Law and Economics Seminar; University of Southern California Law and Social Theory Workshop.

Discussant: "Rational Choice in Law and Economics": Inaugural Meeting, American Law and Economics Association, University of Illinois.

1990:

"Opting In and Opting Out: Bargaining for Good Faith in Cooperative Ventures": University of Pennsylvania, Law and Economics Seminar.

"An Economic Theory of Good Faith and Cooperation": Vanderbilt Legal Theory Workshop.

1989:

 *"Hadley v. Baxendale* and Bargaining Around the Law": Vanderbilt University

 Microeconomic Theory Seminar

1988:

"Form and Incentives": Yale Law School, Law, Economics and Organization

Workshop.

 "Rules versus Standards": McGill University Law Faculty, Law and Public Policy Workshop.

1987:

 "Rule 11 and the Social Value of Private Lawsuits": Vermont Bar Association

 Annual Meeting

"Current Issues in the Law of Damages: A Law and Economics Perspective": Vermont Judicial College.

"Tort Reform and Our Future"; Charles Ives Taggart Lecture, University of Vermont Medical Center.

"Uncertain Fact Finding and Efficiency": Yale Law School Civil Liability Workshop.

"Jury Verdicts in Vermont Since 1980": Testimony on Tort Reform Before the Vermont House Judiciary Committee.

**OTHER PROFESSIONAL ACTIVITIES:**

Member, Federalist Society Working Group on Enforcement and Agency Coercion, 2016-

Adjunct Scholar, Center for the Study of Science, Cato Institute, 2016 -- 2019

Board of Directors, Searle Civil Justice Center, Northwestern University, 2008-2009

Board of Overseers, University of Arizona Program on Economics, Law and the Environment, 2008-2010

American Law and Economics Association:

Member, Board of Directors, 1996-1999;

Member Nominating Committee, 1996-1997;

Annual Meeting Program Committee, 1998-99, 2005.

 2009

American Association of Law Schools, Law and Economics Section;

 Section Chair, 1998, 2015

 Executive Committee Member, 1990, 1993.

National Science Foundation Law and Social Science Program, Member, Advisory Panel, 1994-1996.

Board of Editors, *Law and Society Review,* 2000-2004.

Member, Board of Regents, Multistate Working Group on Environmental Management Systems Policy Academy, 2000-2002

Executive Committee, American Association of Law Schools, Contract Law Section, 1991.

Instructor, Brookings Institution/American Enterprise Institute, Judicial Education Program, 2003-2007

Referee, *De Jure, International Review of Law and Economics*; Cambridge University Press; Harvard University Press; Oxford University Press; MIT Press; Princeton University Press; University of British Columbia Press; Yale University Press; National Science Foundation, Israel Science Foundation, *Journal of Environmental Economics and Management; Journal of Law and Economics; Journal of Law, Economics and Organization; Journal of Legal Studies; Law and Social Inquiry; Bulletin of Economic Research; Governance*.

**LAW SCHOOL ADMINISTRATIVE SERVICE:**

 Vice-Chair, Faculty Appointments Committee, University of Virginia Law School, 2013- 2014

 Chair, Workshop Committee, University of Virginia Law School, 2012-2013.

 Director, Program on Law, Environment and Economy, University of Pennsylvania Law School, 1999 - 2010

 Chair, University of Pennsylvania Law School Technology Committee, 1998-2000.

 Chair, University of Pennsylvania Law School Appointments Committee 1995-1997.

 Chair, Vanderbilt University Law School Workshop Committee 1991-1993.

 Member, Vanderbilt University Law School Faculty Appointments Committee 1990-1992.