

PAUL ROBERTO ZIMMERMAN
Curriculum Vitae

CONTACT AND PERSONAL INFORMATION

Address: U.S. Federal Trade Commission
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Place of Birth: Buffalo, NY
Citizenship: U.S.A.

EDUCATION

1991-1995 **Degree:** B.S.B.A., Economics, *magna cum laude*
Institution: University of Florida
Honors Thesis: *The Determinants of Fertility in Florida*
Advisor: Lawrence W. Kenny

1995-2000 **Degree:** Ph.D., Economics
Institution: Florida State University
Dissertation: *The Theoretical and Empirical Effects of Alcohol Control Policies on Crime*
Advisor: Bruce L. Benson

AREAS OF INTEREST

Microeconomic Theory	History of Economic Thought
Law and Economics	Economics of Crime
Industrial Organization	Antitrust Economics
Ocean and Coastal Economics	Applied Econometrics

PROFESSIONAL POSITIONS

Economist, U.S. Federal Trade Commission (FTC) (2006 – present)

Conduct economic analysis on the competitive effects of proposed and consummated mergers and alleged anticompetitive practices in enforcement of the federal antitrust laws. Specific activities have included the following:

Mergers: Petroleum (refining, wholesaling, and retailing); social media; health insurance; chemical; architectural and industrial coatings; manufactured home; computer (hardware and software); natural gas pipelines; shipping pallet; life science equipment and consumables; online staffing services; convenience stores; casinos; and various retail consumer products.

Other: Research for various Congressional inquiries and FTC studies regarding alleged anticompetitive conduct in the petroleum industry; litigation support for FTC expert witnesses in case involving the manufacture of computer processors and the supply of marine performance products to global fleets.

Consultant on American Antitrust Economics, U.K. Competition and Markets Authority (CMA) (06/2015 – 09/2015)

Provided economic analysis of proposed mergers in the dairy (*Muller/Dairy Crest*) and telecommunications (*BT/EE*) industries; advised on econometric modelling for investigation of a proposed merger in the animal rendering industry (*Linergy/Ulster Farm*).

Industry Economist, U.S. Federal Communications Commission (FCC) (2000 – 2006)

Provided economic research and analysis for various proceedings and projects within the Wireline Competition Bureau. Specific activities included the following:

Regulatory: Regional Bell Operating Company applications for provisioning in-region long-distance; incumbent local exchange carrier petitions for interstate special access service pricing flexibility; preparation and writing of various statistical and data reports.

Mergers: *AT&T/BellSouth*; *SBC/AT&T*; *Verizon/MCI*; *Cingular/AT&T Wireless*; *Sprint/Nextel*.

TEACHING EXPERIENCE

Lecturer, University of Maryland (2020 – present)

Department of Economics

Master of Professional Studies in Applied Economics Program

Courses: Microeconomic Analysis [1 section]

Lecturer, Johns Hopkins University (2018 – present)

Department of Economics

Masters in Applied Economics Program

Courses: Microeconomic Theory & Policy [3 sections]

Adjunct Professor, Georgetown University (2013 – present)

Department of Economics

Masters Degree Program in Applied Economics

Courses: Law and Economics [5 sections]

Instructor, Florida State University (1996 – 1998)

Department of Economics

Courses: Principles of Microeconomics [4 sections]

Principles of Macroeconomics [1 section];

Industrial Organization [undergraduate, 1 section]

PUBLICATIONS

- [1] Tim R. Sass and **Paul R. Zimmerman** (2000), "Motorcycle helmet laws and motorcyclist fatalities," *Journal of Regulatory Economics*, 18, 195–215. (Lead article) doi: 10.1023/A:1008124703161
- [2] Bruce L. Benson, David W. Rasmussen, and **Paul R. Zimmerman** (2003), "Implicit taxes collected by state liquor monopolies," *Public Choice*, 115, 313–331. doi: 10.1023/A:1024240400780
- [3] **Paul R. Zimmerman** (2003), "Regional Bell Operating Company entry into long-distance and non-price discrimination against rival interexchange carriers: empirical evidence from panel data," *Applied Stochastic Models in Business and Industry*, 19, 269–290. (Lead article) doi: 10.1002/asmb.494
- [4] Noel D. Uri and **Paul R. Zimmerman** (2004), "Market power and the deregulation of special access service by the Federal Communications Commission," *Information and Communications Technology Law*, 13, 129–173. doi: 10.1080/1360083042000210532

- [5] **Paul R. Zimmerman** (2004), "State executions, deterrence, and the incidence of murder," *Journal of Applied Economics*, 7, 189–219.
Supreme Court citation: *Glossip v. Gross*, 135 S. Ct. 2726 (2015) (Scalia, J., concurring).
- [6] K. Brown and **Paul R. Zimmerman** (2004), "The effect of section 271 on competitive entry into local telecommunications markets: an initial evaluation," *Information Economics and Policy*, 16, 215–233.
doi: 10.1016/j.infoecopol.2003.09.010
- [7] **Paul R. Zimmerman** (2004), "A theoretical analysis of alcohol regulation and drinking-related economic crime," *European Journal of Law and Economics*, 18, 169–190. doi: 10.1023/B:EJLE.0000045080.49641.64
- [8] Susan M.V. Flaherty and **Paul R. Zimmerman** (2005), "Does allowing the Bells to offer InterLATA long-distance service affect entry into local telephony?," *Southern Economic Journal*, 72, 197–212.
<http://www.jstor.org/stable/20062102>
- [9] **Paul R. Zimmerman** (2006), "Estimates of the deterrent effect of alternative execution methods in the United States: 1978–2000," *American Journal of Economics and Sociology*, 65, 909–942.
doi: 10.1111/j.15367150.2006.00482.x
- [10] **Paul R. Zimmerman** (2006), "Strategic bundling in telecommunications and its antitrust implications for intermodal competition," in *Antitrust Policy Issues* (P. Moriati, ed.): Nova Science Publishers.
- [11] **Paul R. Zimmerman** and Susan M.V. Flaherty (2007), "Location monopolies and prison phone rates," *Quarterly Review of Economics and Finance*, 47, 261–278. doi: 10.1016/j.qref.2006.12.002
- [12] **Paul R. Zimmerman** (2007), "Recent developments in U.S. wireline telecommunications," *Telecommunications Policy*, 31, 419–437.
doi: 10.1016/j.telpol.2007.04.002
- [13] **Paul R. Zimmerman** and Bruce L. Benson (2007), "Alcohol and rape: an "economics-of-crime" perspective," *International Review of Law and Economics*, 27, 442–473. doi: 10.1016/j.irl.2007.09.002
- [14] **Paul R. Zimmerman** (2008), "Strategic incentives under vertical integration: the case of wireline-affiliated wireless carriers and intermodal competition in the U.S.," *Journal of Regulatory Economics*, 34, 282–298.
doi: 10.1007/s11149-008-9065-0

- [15] **Paul R. Zimmerman** (2009), "Statistical variability and the deterrent effect of the death penalty," *American Law and Economics Review*, 7, 370–398. doi: 10.1093/aler/ahp003
- [16] C. Anthony Bush and **Paul R. Zimmerman** (2010), "Media mergers with preference externalities and their implications for content diversity, consumer welfare, and policy," *Journal of Industry, Competition and Trade*, 10, 105–133. doi: 10.1007/s10842-009-0057-2
- [17] Christopher T. Taylor, Nicholas M. Kreisler, and **Paul R. Zimmerman** (2010), "Vertical relationships and competition in retail gasoline markets: comment," *American Economic Review*, 100, 1269–1276. doi:10.1257/aer.100.3.1269
- [18] **Paul R. Zimmerman** (2010), "The economics of capital punishment and deterrence," in *Handbook on the Economics of Crime* (B. Benson and P. Zimmerman, eds.): Edward Elgar Publishers.
- [19] **Paul R. Zimmerman** (2011), "Evaluating the relative performance of upward pricing pressure screens with share-based diversion ratios," *European Competition Journal*, 14, 407–420. (Lead article) doi:10.5235/ecj.v7n3.407
- [20] **Paul R. Zimmerman** (2012), "The competitive impact of hypermarket retailers on gasoline prices," *Journal of Law and Economics*, 55, 27–41. <http://www.jstor.org/stable/10.1086/661194>
- [21] **Paul R. Zimmerman** and Julie M. Carlson (2012), "Critical import supply elasticities and the "imports-as-market-discipline" hypothesis," *Journal of Economic Behavior and Organization*, 84, 345–354. doi: 10.1016/j.jebo.2012.04.004
- [22] **Paul R. Zimmerman**, John M. Yun, and Christopher T. Taylor (2013), "Edgeworth price cycles in gasoline: evidence from the U.S.," *Review of Industrial Organization*, 42, 297–320. doi: 10.1007/s11151-012-9372-6
- [23] **Paul R. Zimmerman** (2014), "The deterrence of crime through private security efforts: theory and evidence," *International Review of Law and Economics*, 37, 66–75. doi: 10.1016/j.irl.2013.06.003
- [24] Carlisle E. Moody, Thomas B. Marvell, **Paul R. Zimmerman**, and Fasil Alemante (2014), "The impact of right-to-carry laws on crime: an exercise in replication," *Review of Economics and Finance*, 4, 33–43. <http://www.bapress.ca/ref/v4-1/1923-7529-2014-04-33-11.pdf>

- [25] Shawn W. Ulrick, Seth Sacher, **Paul R. Zimmerman**, and John M. Yun (2020), "Defining geographic markets with willingness to travel circles," *Supreme Court Economic Review*, 28, 241–284.

BOOK

- [1] Bruce L. Benson and **Paul R. Zimmerman** (eds.) (2010), *Handbook on the Economics of Crime*, Edward Elgar Publishers.

WORKING PAPERS

- [1] "A prospective competitive effects analysis of the AT&T/Time Warner merger" (with G. Chang and S. Ulrick).
- [2] "Competition and cost pass-through in differentiated oligopolies" (with J. Carlson) (inactive).
- [3] "Philip Henry Wicksteed proved the Coase Theorem" (with D. Glasner).
- [4] "On the sustainability of collusion in Bertrand supergames with discrete pricing and nonlinear demand."
- [5] "The Sraffa-Hayek debate on the natural rate of interest" (with D. Glasner).
- [6] "The impact of right-to-carry laws: latest lessons for evaluating public policy" (with C. Moody, J. Lott, T. Marvell, and F. Alemante) (inactive).

WORK IN PROGRESS

- [1] "The apparent criminogenic effects of right-to-carry laws: a replication and extension of two recent studies."
- [2] "Average gasoline prices with and without an Edgeworth cycle: evidence from the sale of an oil refinery."
- [3] "Household gun ownership does not promote crime."
- [4] "Capital punishment as a deterrent to murder: new evidence from state-level data, 1934–2004."

- [5] *"Shall-issue concealed carry laws and crime: the influence of differing licensing regimes across states."*
- [6] *"Aggregation aggravation" (with D. Herman and S. Ulrick).*
- [7] *"Gender-specific effects of gun ownership and right-to-carry concealed handgun laws on crime: do guns benefit women more than men?"*
- [8] *"The deterrent effect of the death penalty: (re)assessing the post-moratorium evidence and the 2011 National Research Council report."*
- [9] *"Foreign competition as an antitrust defense: the Whirlpool-Maytag merger and estimated critical import supply elasticities for household appliances."*
- [10] *"Deterrence from the death penalty within a "high-execution" period: a revisit to and extension of Ehrlich's state-level study."*
- [11] *"Legal procedure, exclusionary rules, judicial system allocations, and crime rates."*
- [12] *"AT&T's strategically delayed entry into local telephony as an unintended consequence of the 1996 Telecommunications Act."*

GRANTS

- [1] *"The Impact of Alcohol Control Policies on the Incidence of Violent Crime," with Bruce L. Benson and David W. Rasmussen (\$161,127), National Institute of Justice; Grant No. 1999-IJ-CX-0041.*
***Abstracted in:** Bruce L. Benson, David W. Rasmussen, and Paul R. Zimmerman (2003), "Alcohol control policies and violent crime," *NIJ Journal*, no. 249, 29–30.*

EXPERT TESTIMONY

- [1] Testified as an economic expert on the deterrent effects of the death penalty on behalf of the U.S. Department of Justice, Capital Case Section, in the matter of *U.S. vs. Fell* (July, 2016).

AWARDS, HONORS, PROFESSIONAL RECOGNITION, ETC.

- 1992 Alpha Lambda Delta National Academic Honor Society (University of Florida)
- 1995 Beta Gamma Sigma (business school equivalent of Phi Beta Kappa, University of Florida)
- 1995 Outstanding Minority Student in Economics (University of Florida)
- 1999 D.L. Moore Dissertation Fellow (Florida State University)
- 2000 Irvin and Peggy Sobel Award (entering doctoral candidate with best overall academic record, Florida State University)
- 2003 FCC Excellence in Economic Analysis Award
- 2004–05 Invited to testify on the deterrent effect of capital punishment before the U.S. House Judiciary Committee, Subcommittee on Crime, Terrorism, and Homeland Security (participation precluded due to scheduling conflicts)
- 2006 Invited to testify as an expert witness on the deterrent effect of capital punishment before the U.S. Senate Judiciary Subcommittee on the Constitution, Civil Rights, and Property Rights (participation precluded due to scheduling conflicts)
- 2006 FCC Excellence in Economic Analysis Award
- 2011–12 Member, FTC Diversity Committee
- 2013–14 Invited moderator, Telecommunications Policy Research Conference, Arlington, VA

CONFERENCE, SEMINAR, AND OTHER PRESENTATIONS

- 2000 “The impact of alcohol control policies on the incidence of violent crime,” invited paper, American Economic Association annual meeting, Boston, MA
- 2001 “The effects of alcohol control policies on the incidence of rape: an “economics of crime” perspective,” Southern Economic Association annual meeting, Washington, DC

- 2002 "The effect of FCC Section 271 decisions on local telecommunications markets," International Atlantic Economic Society annual meeting, Washington, DC
- 2003 "The impact of alcohol control policies on the incidence of rape: an "economics of crime" perspective," American University, Washington, DC
- 2006 "The Cingular/AT&T Wireless merger, wireline-affiliated wireless carriers, and intermodal competition in telecommunications," Federal Deposit Insurance Corporation, Center for Financial Research, Washington, DC
- 2008 "Edgeworth price cycles: evidence from the United States," International Industrial Organization Conference, Arlington, VA
- 2009 "The economics of capital punishment and deterrence," Economics of Crime Symposium, Florida State University, Tallahassee, FL
- 2018 "Economic analysis in Wilhelmsen/Drew Marine," U.S. Federal Trade Commission, Bureau of Economics, Washington, DC

PROFESSIONAL SERVICE

Referee/Reviewer for:

Contemporary Economic Policy
*Criminology**
Economic Inquiry
Energy Economics
International Journal of Industrial Organization
*Journal of Applied Economics**
Journal of Economic Surveys
Journal of Empirical Legal Studies
Journal of Human Capital
Justice Quarterly
Research in Economics
Rationality and Society
*Review of Industrial Organization**
*Southern Economic Journal**
Stanford University Press
*Telecommunications Policy**
Transportation Research Part F : Psychology and Behaviour

(* multiple reviews)

REFERENCES

(Available upon request)