CHARLES A. HOLT

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EDUCATION: Ph.D. (1977) and M.S. (1974) in Economics, Carnegie-Mellon

B.A. (1970), Washington & Lee University

PRESENT POSITION: University of Virginia

A. Willis Robertson Professor of Political Economy, 2002-Professor, Batten School of Leadership and Public Policy

PREVIOUS POSITIONS: Department of Economics, University of Virginia

Merrill H. Bankard Professor, 1996-2002

Professor, 1989-1996

Associate Professor, 1983-1989

Visiting Assistant Professor, 1979-1980

Department of Economics, University of Minnesota

Associate Professor, 1982-1983 Assistant Professor, 1976-1981

SHORT-TERM APPOINTMENTS: Cal Tech, Visiting Scholar, 1999, 2006, Spring 2017

University of Pittsburgh, Visiting Scholar, 2017 Federal Reserve Bank of NY, occasional visitor 2014-University of Amsterdam, Honorary Professor, 2003-NYU, Visiting Scholar, Spring 2003, Spring 2009 University of Copenhagen, CIE Lecturer, July 1996 University of Amsterdam, Visiting Scholar, June 1996 Stanford University, Visiting Scholar, Spring 1996

Universite Louis Pasteur, France, May 1995-May 1996 U. of Arizona, Economic Science Laboratory, July 1989 Autonomous University of Barcelona, 1986-1988 Federal Trade Commission, intermittent, 1983-1993

ACADEMIC AWARDS: Economic Science Association Fellow (2024)

> AEA Distinguished Economic Education Award, 2023 (Inaugural) Southern Economic Association Distinguished Fellow, 2023 SEA Georgescu-Roegen Prize Runner-Up Best Paper, 2023 Thomas Jefferson Award for Scholarship, UVA, 2018 Excellence in Faculty Mentoring Award, UVA, 2014

Society for Advancement of Economic Theory, Fellow, 2011

Kenneth G. Elzinga Teaching Award, SEA, 2008

L. J. Savage Award Dissertation Award, 1977 (Inaugural) Alexander Henderson Dissertation Award, CMU, 1977

DEPARTMENT POSITIONS: Chair, September 1996-1999, 2009-2013.

Director, Thomas Jefferson Center for Political Economy, 1993-02

Director of Graduate Studies, 1989-1992 Director of Undergraduate Studies, 1985-86

Director of Distinguished Majors Program, 1984, 85, 88

EDITORIAL BOARDS: Experimental Economics, Kluwer Academic Press,

founding Co-editor, 1997-2004; Advisory Editor, 2004-

Homo Oeconomicus, Editorial Board, 2016-8 American Economic Review, 1999-2004

Society of Economic Educators, 2007-; President 2009-10 MEMBERSHIPS:

Southern Economic Association

President, 2002; Board, 2003-2004:

Vice President, 1993-1994

NSF various panels (Economics, DRMS, DTS, HSD

Infrastructure, IGERT)

American Economic Association,

Committee on Economic Education, 2000-2004,

Government Relations Committee 2015-Economic Science Association, President, 1991-1993

GRADUATE TEACHING: **Experimental Economics**

Game Theory (Economics and Politics)

Nobel Laureates in Economics UNDERGRADUATE TEACHING:

Experimental Economics Mathematical Economics Behavioral Economics

GRANTS

NATIONAL SCIENCE FOUNDATION GRANTS:

- 2015-2018 NSF "Auctions for Licenses and Permits"
- 2009-2013 NSF "An Experimental Analysis of Conflict Bargaining" (with 4 co-PIs)
- 2009-2013 NSF "An Experimental Analysis of Terrorism Issues" (with 4 co-PIs)
- 2009-2011 NSF "Doctoral Dissertation Research: An Experimental Analysis of Tort Litigation" (for Sean Sullivan)
- 2008-2012: NSF DUE 0737472, "Using Clicker Technology for Large-Scale Experiments in Economics" (with AJ Bostian)
- 2001-2008: NSF SBR, "Game Theory and Social Interactions: A Virtual Collaboratory for Teaching and Research," (I am the lead PI for a \$2.5 million NSF Infrastructure grant, with 9 co-PIs in economics, anthropology, and politics)
- 2007-2008: NSF SBR 0649463, "Doctoral Dissertation Research: An Experimental Study of Exclusive Contracts" (for Angela Smith)
- 2003-2004: NSF DUE 0230808, "Collaborative Research: Economics Experiments to Prepare Secondary Teachers and Reinforce Understanding of Basic Economics"
- 1999-2002: NSF SBR 9818683, "Equilibrium with Bounded Rationality in Economic Games"
- 1997-2000: NSF SBR 9617784, "Equilibrium with Bounded Rationality in Economic Games" (with Simon Anderson and Jacob Goeree)
- 1997-1998: NSF SBR 9712373, "Computer Laboratory for Classroom and Research Experiments in Economics"
- 1994-1997: NSF SBR 9320044, "Laboratory Markets with Discounts, Search Costs, and Demand Shocks" (with Doug Davis)
- 1994-1996: NSF SBR 9320617, "Doctoral Dissertation Research: Information Cascade Experiments" (for Lisa Anderson)
- 1990-1993: NSF SES 9012694, "Experimental Analysis of Cooperation in Finitely Repeated Games"
- 1988-1990: NSF SES 8720105, "Experimental Tests of Nash Refinements"
- 1983-1985: NSF SES 8219720, "Experimental Studies of Industrial Organization Theories"
- 1980-1982: NSF SES 7923694, "Signaling Auction Markets"

OTHER EXTERNAL GRANTS:

- 2022-3: IFREE (with Daniel Harper) "Behavioral Influences on Investment and Production in Asset Markets: An Experimental Study"
- 2017-19: 4VA Grant "Gender in Economics Experiments" (with Angela Smith at James Madison).
- 2014: Environmental Protection Agency: "Investigating the Performance of Carbon Dioxide Allowance Auctions in the Context of Hybrid Price and Quantity Instruments, Multiple Vintages,

and Declining Caps"

2008-2009: Department of Homeland Security, "Studying Terrorism with Experimental Games"

2007: New York State NYSERDA "Auction Design for the Regional Greenhouse Gas Initiative (RGGI)" (with W. Shobe, J. Goeree, D. Burtraw, and K. Palmer)

1994: Japan Society for the Promotion of Science, Visiting Researcher, Tsukuba University

1993: Experimental Games (with Jordi Brandts), Spainish DGCICYT

1992: U.S.I.A. Academic Specialist Grant for Mexico, January 1992

1988: US/Spain Joint Committee, "Experimental Tests of Game Theories"

1987: US/Spain Joint Committee, Sabbatical Program, "Theoretical Issues in Industrial Organization"

PUBLICATIONS

Note: Publications are listed in categories - Books, Journal Articles, Articles Related to Teaching, Other Publications (contributions to books, etc.), and Current Manuscripts and Projects

BOOKS:

- Experience Economics: From Trust to Trade, Charles A. Holt and Erica R. Sprott, Princeton University Press, forthcoming 2025.
- Markets, Games, and Strategic Behavior: An Introduction to Experimental Economics, Princeton University Press, 2019, second edition, 677 pages.
- Quantal Response Equilibrium: A Stochastic Theory of Games, Jacob Goeree, Charles Holt, and Thomas Palfrey, Princeton: Princeton University Press, 2016, 300 pages.
- Markets, Games, and Strategic Behavior, Boston: Pearson/Addison-Wesley, 2006,
- Experiments Investigating Market Power, Research in Experimental Economics, Vol. 9 (edited with R. Mark Isaac) Greenwich, Conn.: JAI Press, 2003.
- Emissions Permits Experiments, Research in Experimental Economics, Vol. 8 (edited with R. Mark Isaac), Greenwich, Conn.: JAI Press, 1999.
- Experimental Economics, Charles A. Holt and Douglas D. Davis, Princeton University Press, 1993.
- "Bidding for Contracts," in *Bayesian Analysis in Economic Theory and Time Series Analysis, the* 1977 Savage Dissertation Award Theses (with R. W. Shore), A. Zellner and J. B. Kadane (eds.), North-Holland, 1980.

JOURNAL ARTICLES:

"Rent Dissipation and Streamlined Costs: Laboratory Experiments," (forthcoming 2024) with Angela Smith, *Games and Economic Behavior*, preprint available online:

https://www.sciencedirect.com/science/article/pii/S089982562300163X?utm_campaign=STMJ_AUTH_SERV_PUBLISHED&utm_medium=email&utm_acid=86810394&SIS_ID=&dgcid=ST_MJ_AUTH_SERV_PUBLISHED&CMX_ID=&utm_in=DM426533&utm_source=AC_

- "Binary Conflict: An Experimental Study of Strategic Effectiveness and Equilibrium," (August 2023) Charles Holt and Thomas Palfrey, *American Journal of Political Science*, preprint available online: https://doi.org/10.1111/ajps.12810
- "Permutation Tests for Experimental Data" (2023) Charles A. Holt and Sean P. Sullivan, Experimental Economics, 26: 775-812.
- "Endogenous Reference Price Auctions for a Diverse Set of Commodities: An Experimental Analysis" (2023) Olivier Armantier and Charles Holt, *Experimental Economics*, 30:1-27, doi: 10.1007/s10683-022-09783-6
- "Price-Responsive Allowance Supply in Emissions Markets," Dallas Burtraw, Charles Holt, Karen Palmer, and Bill Shobe, *Journal of the Association of Environmental and Resource Economists*, volume 9, number 5, September 2022, 851-884.
- "Bargaining, Fairness and Conflict," Charles A. Holt and Katri K. Sieberg, *Homo Oeconomicus*, 2022, https://doi.org/10.1007/s41412-022-00130-x
- "An Experimental Study of Strategic Voting and Accuracy of Verdicts with Sequential and Simultaneous Voting," Lisa Anderson, Charles Holt, Beth Freeborn, and Katri Sieberg, *Games*, 2022, 13(2), 10.3390/g13020026.
- "An Experimental Analysis of Risk Effects in Attacker-Defender Games," Charles A. Holt, Ricky Sahu, and Angela M. Smith, *Southern Economic Journal*, 2022, 1-31, recipient of the 2023 Georgeseu-Roegen Prize for the best paper (runner up) in the *Southern Economic Journal*.
- "Upside Versus Downside Risk: Gender, Stakes, and Skewness," Irene Comeig, Charles Holt, and Ainhoa Jaramillo-Gutiérrez, *Journal of Economic Behavior and Organization*, 2022, 200, 21-30.
- "Capital Constraints and Asset Bubbles," (with Lee Coppock and Daniel Harper), *Journal of Economic Behavior and Organization*, 2021, 183, 75-88.
- "Overcoming Discount Window Stigma: An Experimental Investigation," (with Olivier Armantier), *Review of Financial Studies*. 2020, 12, 5630–5659, https://doi.org/10.1093/rfs/hhaa055
- "Leadership Styles and Free Riding: An Experimental Investigation," (with Béatrice Boulu-Reshff, Matt Rodgers, and Melissa Thomas-Hunt), *The Leadership Quarterly*, 2020, 31, 101409, 1-11.
- "Assisted Savings for Retirement: An Experimental Analysis" (with Clement Bohr and Alexandra Schubert), *European Economic Review*, 2019, 119, 42-54.
- "Price Bubbles, Gender, and Expectations in Experimental Asset Markets," (with Megan Porzio and Michelle Song) *European Economic Review*, 2017, 100, 72-94.

- "An Experimental Examination of the Volunteer's Dilemma" (with Angela Smith and Jacob Goeree), *Games and Economic Behavior*, 2017, 102(C), 305–315.
- "Belief Elicitation with a Simple Lottery Choice Menu: Invariant to Risk Preferences," (with Angela Smith) *American Economic Journal: Microeconomics*, 8(1), February 2016, 110-139.
- Holt, Charles and William Shobe (2016) "Price and Quantity Collars for Stabilizing Emission Allowance Prices: Laboratory Experiments on the EU ETS Market Stability Reserve," *Journal of Environmental Economics and Management*, 76, March 2016, 32-50.
- "The Paradox of Misaligned Profiling: Theory and Experimental Evidence," (with Andrew Kydd, Laura Razzolini, and Roman Sheremeta), 2016, *Journal of Conflict Resolution*, 60(3), 482-500.
- "Risk Aversion and the Winner's Curse," (with Roger Sherman) *Southern Journal of Economics*, 2014, 81, 7-22.
- "Elements of Emission Market Design: An Experimental Analysis of California's Market for Greenhouse Gas Allowances" (with W. Shobe and T. Huetteman), *Journal of Economic Behavior and Organization*, 2014,107, 402–420.
- "An Experimental Analysis of Asymmetric Power in Conflict Bargaining," (with K. Sieberg, D. Clark, T. Nordstrom, and W. Reed), *Games*, 2013, 4(3), 375-397.
- "A Procurement Auction for Toxic Assets with Asymmetric Information," (with O. Armantier and C. Plott) *American Economic Journal: Microeconomics*, 5(4), 2013, 142-162.
- "Tragedy of the Common Canal," (with C. Johnson, C. Mallow, S. Sullivan) *Southern Economic Journal*, 78(4) April 2012, 1142-1162.
- "Hierarchical Package Bidding: A Paper & Pencil Combinatorial Auction," (with J. Goeree) Games and Economic Behavior, 70, September 2010, 146-169.
- "Emissions Trading: An Experimental Analysis," (with M. Wråke, E. Myers, S. Mandell, and D. Burtraw) *Environmental and Resource Economics*, 2010, 46(3), 331-336.
- "An Experimental Analysis of Auctioning Emission Allowances Under a Loose Cap," (with William Shobe, Karen Palmer, Erica Myers, Jacob Goeree, and Dallas Burtraw) Agricultural and Resource Economics Review, Volume 39, Number 2, April 2010, pp 162-175.
- "An Experimental Study of Auctions versus Grandfathering to Assign Pollution Permits," (with Goeree, J., W. Shobe, K. Palmer, and D. Burtraw) *Journal of the European Economic Association*, 2010, April/May, Vol. 8, No. 2-3, Pages 514-525
- "Collusion in Price-Setting Duopoly Markets: Experimental Evidence" (with L. Anderson and B. Freeborn) *Southern Economics Journal*, 2010 76(2), 577-591.
- "An Experimental Test of Flexible Combinatorial Spectrum Auction Formats," (with C. Brunner, J. Goeree, J. Ledyard), *American Economic Journal: Micro*, 2010 (2) 39-57.
- "Collusion in Auctions for Emissions Permits: An Experimental Analysis," (with Burtraw, D., J.

- Goeree, E. Myers, K. Palmer, and W. Shobe) *Journal of Policy Analysis and Management*, 2009, 28(4), 672-691.
- "Risk, Uncertainty, and Discrete Choice Models" (with de Palma, A., M. Ben-Akiva, D. Brownstone, T. Magnac, D. McFadden, P. Moffatt, N. Picard, K. Train, P. Wakker, J. Walker), *Marketing Letters*, 2008 8(3-4) July 269-285.
- "An Update on Bayesian Updating" (with Angela Smith), *Journal of Economic Behavior and Organization*, 2009 69(2) February, 125-134.
- "The Newsvendor Pull-to-Center Effect: Adaptive Learning in a Laboratory Experiment," (with Angela Smith and AJ Bostian) *Manufacturing and Service Operations Management*, 2008, Fall 10(4), 590-608.
- "Coordination of Strategic Responses to Security Threats: Laboratory Evidence," (with R. Hess and A. Smith) *Experimental Economics*, 2007, 10(3), 235-250.
- "Regular Quantal Response Equilibrium," (with Jacob Goeree and Tom Palfrey) Experimental *Economics*, 2006, 8, 347-367.
- "An Exploration of Anomalous Behavior in Models of Political Participation," (with J. Goeree), *American Political Science Review*, May 2005, 99(2), 201-213.
- "Risk Aversion and Incentives: New Data without Order Effects," (with Susan Laury) *American Economic Review*, June 2005, 95(3), 902-912.
- "An Experimental Study of Costly Coordination" (with J. Goeree) *Games and Economic Behavior*, 2005 (2), 349-364.
- "Using Laboratory Experiments for Policy Making: An Example from the Georgia Irrigation Reduction Auction" (with Ronald Cummings and Susan Laury), *Journal of Policy Analysis and Management*, Spring 2004, 3(2), 341-363.
- "Noisy Directional Learning and the Logit Equilibrium," (with Simon Anderson and Jacob Goeree), *Scandinavian Journal of Economics*, (106) September 2004, 581-602.
- "The Nash Equilibrium: A Perspective" (with Al Roth) *Proceedings of the National Academy of Sciences*, USA, March 2004, 101(12) pp. 3999-4002.
- "A Model of Noisy Introspection" (with Jacob Goeree), *Games and Economic Behavior*, 2004, 46(2), 281-294.
- "Economic Science: An Experimental Approach for Teaching and Research," Presidential Address, *Southern Economic Journal*, April 2003, 69(4), 755-771.
- "Risk Averse Behavior in Asymmetric Matching Pennies Games," (with Jacob Goeree and Thomas Palfrey), *Games and Economic Behavior*, 2003, 45, 97-113.
- "Risk Aversion and Incentive Effects" (with Susan Laury) *American Economic Review*, December 2002, 92: 1644-55.
- "Quantal Response Equilibrium and Overbidding in Private Value Auctions" (with Jacob Goeree and Thomas Palfrey), *Journal of Economic Theory*, 104(1), 2002, 247-272.

- "Learning and Noisy Equilibrium Behavior in an Experimental Study of Imperfect Price Competition," (with M. Capra, R. Gomez, and J. Goeree), *International Economic Review*, August 2002, 613-636.
- "Private Costs and Public Benefits: Unraveling the Effects of Altruism and Noisy Behavior," (with Jacob Goeree and Susan Laury), *Journal of Public Economics*, 83(2) 2002, 257-278.
- "The Logit Equilibrium: A Unified Perspective on Intuitive Behavioral Anomalies in Games with Rank-Based Payoffs," (with Simon Anderson and Jacob Goeree), *Southern Economic Journal*, July 2002, 21-47.
- "Ten Little Treasures of Game Theory and Ten Intuitive Contradictions," (with Jacob Goeree) American Economic Review, December 2001, 1402-1422.
- "Minimum-Effort Coordination Games: An Equilibrium Analysis of Bounded Rationality," (with Simon Anderson and Jacob Goeree), *Games and Economic Behavior*, 34(2), 2001, 177-199.
- "Asymmetric Inequality Aversion and Noisy Behavior in Alternating-Offer Bargaining Games" (with Jacob Goeree) *European Economic Review*, 44, 2000, 1079-1089.
- "Stochastic Game Theory: For Playing Games, Not Just for Doing Theory," (with Jacob Goeree) *Proceedings of the National Academy of Sciences*, *96*, September 1999, 10564-10567.
- "Anomalous Behavior in a Traveler's Dilemma?" (with M. Capra, J. Goeree, and R. Gomez) *American Economic Review*, 89:3, June 1999, 678-690.
- "Equilibrium Cooperation in Two-Stage Games: Experimental Evidence" (with D. Davis), *International Journal of Game Theory*, 28:1 February 1999, 89-109.
- "A Theoretical Analysis of Altruism and Decision Error in Public Goods Games" (with Jacob Goeree and Simon Anderson), *Journal of Public Economics*, 70(2), 1998, 297-323.
- "The All-Pay Auction: Equilibrium with Bounded Rationality" (with Jacob Goeree and Simon Anderson), *Journal of Political Economy*, 106(4), August 1998, 828-853.
- "Conspiracies and Secret Price Discounts" (with D. Davis), *Economic Journal*, 108, May 1998, 1-21.
- "Information Cascades in the Laboratory," (with Lisa Anderson) *American Economic Review*, December 1997, 847-862.
- "Markets with Posted Prices: Recent Results from the Laboratory" (with D. Davis), Investigaciones Económicas, September 1996, 20(3), 291-320.
- "List Prices and Discounts: The Interrelationship Between Consumer Shopping Patterns and Profitable Marketing Strategies" (with Doug Davis) *Psychology and Marketing*, *13*(0), July 1996, 341-363.
- "Price Rigidities and Institutional Variations in Markets with Posted Prices" (with D. Davis), *Economic Theory*, 9(1), 1996, 63-80.
- "Consumer Search Costs and Market Performance" (with Doug Davis), Economic Inquiry, 34,

- January 1996, 1-29.
- "Limitations of Forward Induction and Dominance: Experimental Evidence" (with Jordi Brandts), *Economics Letters*, 49, 1995, 391-95.
- "Market Power and Mergers in Laboratory Experiments with Posted Prices" (with D. Davis), *RAND Journal of Economics*, 25(3) Autumn 1994, 467-487.
- "The Effects of Discounting Opportunities in Laboratory Posted-Offer Markets," (with D. Davis), *Economics Letters*, 44, 1994, 249-253.
- "The Loser's Curse" (with R. Sherman), American Economic Review, 84(3), June 1994, 642-652.
- "Equilibrium Cooperation in Three-Person, Choice-of-Partner Games" (with D. Davis), *Games and Economic Behavior*, 7, 1994, 39-53.
- "Experimental Economics: Methods, Problems, and Promise" (with D. Davis), *Estudios Económicos*, 8(2), July-December 1993, 179-212.
- "Adjustment Patterns and Equilibrium Selection in Experimental Signaling Games" (with J. Brandts), *International Journal of Game Theory*, 22, 279-302, 1993.
- "An Experimental Test of Equilibrium Dominance in Signaling Games" (with Jordi Brandts), *American Economic Review*, 82(5), December 1992, 1350-1365.
- "Advertising and Product Quality in Posted-Offer Experiments" (with R. Sherman), *Economic Inquiry*, 28(3), January 1990, 39-56.
- "The Effects of Non-Binding Price Announcements in Posted-Offer Markets" (with D. Davis) *Economics Letters*, *34*(4), December 1990, 307-310.
- "Strategic Voting Behavior in Agenda-Controlled Committee Experiments" (with C. Eckel), *American Economic Review*, 79(4), September 1989, 763-773.
- "The Exercise of Market Power in Laboratory Experiments" *Journal of Law & Economics*, (32, 2, pt.2) October 1989, S107-S131.
- "Facilitating Practices: The Effects of Advance Notice and Best-Price Policies" (with David Scheffman), *RAND Journal of Economics*, 18(2), Summer 1987, 187-197.
- "Market Power in Oral Double Auctions" (with L. Langan and A. Villamil), *Economic Inquiry*, 24, January 1986, 107-123.
- "Preference Reversals and the Independence Axiom" *American Economic Review*, 76(3), June 1986, 508-515.
- "A Laboratory Experiment with a Single-Person Cobweb" (with Anne Villamil), *Atlantic Economic Journal*, *14*(2) July 1986, 51-54.
- "An Experimental Test of the Consistent-Conjectures Hypothesis" *American Economic Review*, 75(3), June 1985, 314-325.
- "On the Use of Profit Data to Estimate the Social Cost of Monopoly Power in an Oligopoly" *Journal of Economics and Business*, *34*, 1982, 283-9.

- "Waiting-Line Auctions" (with R. Sherman), *Journal of Political Economy*, 90(2), April 1982, 280-292.
- "Competitive Bidding for Contracts under Alternative Auction Procedures" *Journal of Political Economy*, 88(3), June 1980, 433-445.
- "Forecasting Rules as Equilibrium Strategies in Duopoly Models" *The American Economist*, 23(2), Fall 1979, 31-36.
- "A Note on First Degree Stochastic Dominance" (with L. P. Hansen and D. Peled), *Economics Letters*, 1(4), 1979, 315-319.
- "Capital Allocation within a Firm" (with R. M. Cyert and M. H. DeGroot), *Behavioral Science*, 24(5), September 1979, 287-295.
- "Uncertainty and the Bidding for Incentive Contracts" *American Economic Review*, 69(4), September 1979, 697-705.
- "Sequential Investment Decisions with Bayesian Learning" (with M. H. DeGroot and R. M. Cyert), *Management Science*, 24(7), March 1978, 712-718.

CHAPTERS IN BOOKS, ETC.:

- "Quantal Response Equilibrium and Behavioral Game Theory" (with Thomas R. Palfrey) forthcoming 2024 in the *Edward Elgar Encyclopedia of Behavioural and Experimental Economics*, Swee-Hoon Chuah, Robert Hoffmann and Ananta Neelim, eds.
- "Belief Elicitation," (with Angela M. Smith), forthcoming 2024 in the *Edward Elgar Encyclopedia* of *Behavioural and Experimental Economics*, Swee-Hoon Chuah, Robert Hoffmann and Ananta Neelim, eds.
- "Risk Preference Elicitation and Gender," Charles A. Holt, forthcoming 2024 in the *Edward Elgar Encyclopedia of Behavioural and Experimental Economics*, Swee-Hoon Chuah, Robert Hoffmann and Ananta Neelim, eds.
- "Experimental Analysis of Antitrust Issues" (with Sean Sullivan), forthcoming 2024 in the *Edward Elgar Encyclopedia of Behavioural and Experimental Economics*, Swee-Hoon Chuah, Robert Hoffmann and Ananta Neelim, eds.
- "Rent Seeking Experiments," (with Angela M. Smith), forthcoming 2024 in the *Edward Elgar Encyclopedia of Behavioural and Experimental Economics*, Swee-Hoon Chuah, Robert Hoffmann and Ananta Neelim, eds.
- "Asset Market Experiments and Price Bubbles" (with Daniel Q. Harper), forthcoming 2024 in the Edward Elgar Encyclopedia of Behavioural and Experimental Economics, Swee-Hoon Chuah, Robert Hoffmann and Ananta Neelim, eds..
- "An Experimental Study of Competitive Market Behavior by Vernon Smith," Charles Holt, in *The*

- Art of Experimental Economics: Twenty Top Papers Reviewed, Mark Pingle and Gary Charness, editors, Routledge, 2022, 20-29.
- "Stochastic Game Theory for Social Science: A Primer on Quantal Response Equilibrium," with Jacob Goeree and Thomas Palfrey, in the *Handbook of Experimental Game Theory Experiments*, M. Capra, R. Croson, M. Rigdon, and T. Rosenblat, eds. Edward Elgar Publishing, 2020, 8-47.
- "Rank Dependent Choice Equilibrium: A Nonparametric Generalization of QRE," with Goeree, J. K., P. Louis, T. R. Palfrey, and B. Rogers, in A. Schram and A. Ule eds., *The Handbook of Research Methods and Applications in Experimental Economics*, (2019) Chapter 13, 252-268.
- "Experimental Economics and the Law," (with Sean Sullivan) in Francesco Parisi (Ed.), Oxford Handbook of Law and Economics, Oxford, 2017, 78-103.
- "John Nash: Flashes of Brilliance in Different Directions," *Southern Economic Journal*, 2015, July 82(1), 1-4.
- "An Experimental Study of Jury Voting Behavior," (with Lisa R. Anderson, Katri K. Sieberg, and Allison L. Oldham) in Norman Schofield and Gonzalo Caballero eds. *Political Economy of Governance: Institutions, Democratic Performance and Elections*, Springer Verlag, 2015, 157-178.
- "SEA Symposium in Honor of Roger Sherman," with C.C. Eckel, *Southern Economic Journal*, 2014, 1-6.
- "Prisoner's Dilemma Experiments," with C. Johnson and D. Schmidtz, in *The Prisoner's Dilemma*, M. Peterson ed., Cambridge University Press, 2015, 243-264.
- "Assessment and Estimation of Risk Preferences" (with Susan Laury), *Handbook of the Economics of Risk and Uncertainty*, *Vol. 1*, M. Machina and K. Viscusi, eds., Oxford: North Holland, 2014, Chapter 4, pp. 135-201.
- "Price Discovery in Emission Permit Auctions," (with D. Burtraw, J. Goeree, E. Myers, K. Palmer, and W. Shobe) in R. M. Isaac and D. A. Norton, eds., *Experiments on Energy, the Environment, and Sustainability, Research in Experimental Economics, Vol. 14*, 2010, Emerald Group Publishing, Bingley:UK, 11-36.
- "Further Reflections on the Reflection Effect," (with S.K. Laury) in J. Cox and G. Harrison, eds., in *Research in Experimental Economics*, Emerald Group Publishing, Bingley: UK., 2008, 405-440.
- "Information Cascade Experiments," (with L. Anderson), in the *The New Palgrave Dictionary of Economics*, 2008.
- "Quantal Response Equilibrium," (with J. Goeree and T.R. Palfrey) in the *New Palgrave Dictionary of Economics*, 2008.
- "Payoff Scale Effects and Risk Preference Under Real and Hypothetical Conditions," (with S. Laury) in *Handbook of Experimental Economics Results, Volume 1*, C. Plott and V. Smith, eds., New York: Elsevier Press, 2008, 1047-1053.

- "Predatory Pricing: Rare Like a Unicorn?" (with J. Goeree and R. Gomez) in *Handbook of Experimental Economics Results, Volume 1*, C. Plott and V. Smith, eds., New York: Elsevier Press, 2008, 178-184.
- "The Exercise of Market Power in Laboratory Experiments," (with D. Davis) in *Handbook of Experimental Economics Results, Volume 1*, C. Plott and V. Smith, eds., New York: Elsevier Press, 2008, 138-145.
- "The Effects of Collusion in Laboratory Experiments," (with D. Davis) in *Handbook of Experimental Economics Results, Volume 1*, C. Plott and V. Smith, eds., New York: Elsevier Press, 2008, 170-177.
- "Information Cascade Experiments," (with Lisa Anderson), in *Handbook of Experimental Economics Results, Volume 1*, C. Plott and V. Smith, eds., New York: Elsevier Press, 2008, 336-343.
- "Logit Equilibrium Models of Anomalous Behavior: What to do when the Nash Equilibrium Says One Thing and the Data Say Something Else," (with S. Anderson and J. Goeree), in *Handbook of Experimental Economics Results, Volume 1*, C. Plott and V. Smith, eds., New York: Elsevier Press, 2008, 549-558.
- "Theoretical Explanations of Treatment Effects in Voluntary Contributions Experiments," (with S. Laury), in *Handbook of Experimental Economics Results, Volume 1*, C. Plott and V. Smith, eds., New York: Elsevier Press, 2008, 846-855.
- "Voluntary Provision of Public Goods: Experimental Results with Interior Nash Equilibria," (with S. Laury), in the *Handbook of Experimental Economics Results, Volume 1*, C. Plott and V. Smith, eds., New York: Elsevier Press, 2008, 792-801.
- "Congestion and Social Welfare," (with Lisa Anderson and David Reiley) in *Experimental Methods, Environmental Economics*, T.L. Cherry, J.F.Shogren, and S. Kroll, eds., London: Routledge, 2008, 280-292.
- "An Experimental Basis for Public Policy Initiatives" (with Angela M. Smith and William Shobe), *Promoting the General Welfare: New Perspectives on Government Performance*, E. Patashnik and A. Gerber, eds., Washington, DC: Brookings Institution Press, 2006, pp. 174-199.
- "Experimental Studies of Discrimination" (with L. Anderson and R. Fryer) *Handbook on the Economics of Discrimination*, W. Rogers, ed., Northampton, MA: Edward Elgar, 2006, 97-115.
- "John F. Nash, Jr.: Introduction and Postscript," Southern Economic Journal, 2003, 69(1), 2-3.
- "Experimental Economics and Public Choice," (with Lisa Anderson), *The Encyclopedia of Public Choice*, C. Rowley (ed.), Norwell, MA: Kluwer Academic Publishers, 2003.
- "Incentives in Public Goods Experiments: Implications for the Environment," (with J. Goeree and S. Laury) in *Recent Advances in Environmental Economics*, J. List and A. de Zeeuw, eds., Cheltenham: Edwar Elgar Publisher, 2002, 309-339.
- "Supra-competitive Prices and Market Power in Posted-Offer Experiments," (with A. Villamil

- and D. Davis), in *Research in Experimental Economics, Experiments Investigating Market Power*, vol. 9, 2002, M. Isaac and C. Holt, eds., JAI Press, 121-137.
- "Learning in Economic Experiments," (with J. Goeree) in *Encyclopedia of Cognitive Science*, Volume 2, L. Nagel, ed., London: Nature Publishing Group, McMillan, 2002, 1060-1069.
- "Coordination Games," (with J. Goeree) in *Encyclopedia of Cognitive Science*, Volume 2, L. Nagel, ed., London: Nature Publishing Group, McMillan, 2002, 204-208.
- "Information Cascades and Rational Conformity," (with Lisa Anderson), *The Encyclopedia of Cognitive Science*, L. Nagel, ed., London: Nature Publishing Group, McMillan, 2002, pp. 540-544.
- "Varying the Scale of Financial Incentives Under Real and Hypothetical Conditions" (with Susan Laury) *Brain and Behavioral Sciences*, 24(4), 417-418.
- "The War of Attrition with Noisy Players," (with Jacob Goeree and Simon Anderson) in *Advances in Applied Micro-Economics, Volume 7*, in M. R. Baye, ed., Greenwich, Conn.: JAI Press, 1998, 15-29.
- "Rent Seeking with Bounded Rationality: An Analysis of the All-Pay Auction," in Congleton, Hillman, and Konrad, ed., 40 Years of Research on Rent Seeking, 1998, Springer, 225-250.
- "Industrial Organization: A Survey of Laboratory Research," in J. Kagel and A. Roth (eds.), Handbook of Experimental Economics, Princeton: Princeton University Press, 1995, 349-443.
- "An Examination of the Diamond Paradox: Initial Laboratory Results," (with D. Davis), *Actas de las X Jornadas de Economia Industrial*, Madrid: Fundacion Empresa Publica, 1995, 67-70.
- "Conspiracies and Secret Discounts: Initial Laboratory Results," (with D. Davis), *Actas de las IX Jornadas de Economia Industrial*, Madrid: Fundacion Empresa Publica, 1994, 103-107.
- "Patrones de Ajuste y Selección de Equilibrios en Juegos Experimentales de Señalización," (with J. Brandts), *Actas de las VIII Jornadas de Economia Industrial*, Madrid: Fundacion Empresa Publica, 1993, 63-67.
- "Forward Induction: Experimental Evidence from Two-stage Games with Complete Information," (with Jordi Brandts), *Research in Experimental Economics, Volume 5*, M. Isaac (ed.), Greenwich, Conn.: JAI Press, 1992, 119-136.
- "The Calculation of Equilibrium Mixed Strategies in Posted-Offer Auctions," (with F. Solis-Soberon), *Research in Experimental Economics*, *Volume 5*, in M. Isaac, (ed.), Greenwich, Conn.: JAI Press, 1992, 189-229.
- "Capacity Asymmetries, Market Power, and Mergers in Markets with Posted Prices," (with D. Davis), *Investigaciones Económicas*, 2, suplemento, 1992, 73-79.
- "Evidencia Experimental Sobre Inducción Proyectiva," (with Jordi Brandts), *Investigaciones Económicas*, (secgunda epoca), 1990, 139-43.

- "Strategic Business Behavior and Antitrust," (with David Scheffman), in J. Meehan and R. Larner (eds.), *Economics and Antitrust Policy*, Quorum Books, 1989, 39-82.
- "Quality Uncertainty and Bundling," (with R. Sherman), in P. M. Ippolito and D. T. Scheffman (eds.), *Empirical Approaches to Consumer Protection Economics*, Washington D.C.: Bureau of Economics, Federal Trade Commission, 1986, 221-250.
- "Discussant's comments on: Incentives, Learning and Processing of Information in a Market Environment: An Examination of the Base-Rate Fallacy," in S. Moriarity (ed.), *Laboratory Market Research*, University of Oklahoma, 1986, 80-85.
- "The Use of Laboratory Experiments in Economics: An Introductory Survey," (with A. Villamil), in S. Moriarity (ed.), *Laboratory Market Research*, University of Oklahoma, 1986, 1-14.
- "Scoring Rules for Eliciting Subjective Probability and Utility Functions," in P. K. Goel and A. Zellner (eds.), *Bayesian Inference and Decision Techniques: Essays in Honor of Bruno de Finetti*, North-Holland, 1986, 279-290.
- "When a Queue is Like an Auction," (with R. Sherman), in M. Shubik, R. Englebrecht-Wiggans, and R. Stark (eds.), *Auctions Bidding and Contracting: Uses and Theory*, New York University Press, 1983, 255-282.

ARTICLES RELATED TO TEACHING:

- "Cost Curve Confusion: Teaching with Earnings Comparisons in Class Simulations," (with Erica Sprott), forthcoming in the *Journal of Economic Education*, 2024.
- "The Welfare Costs of Price Controls, Rent Seeking in a Web-Based Class Experiment," (with Grace Finley and Emily Snow), *Experimental Economics*, September 2019, 22(3), 753-771.
- "Wisdom of the Crowds and the Winner's Curse: A Classroom Clicker Experiment," (with A.J. Bostian) *Journal of Economic Education*, Summer, 2013, 44, 217-229.
- "Teaching Experimental Economics: Reinforcing Paradigms and Bringing Research into the Undergraduate Classroom," in the *International Handbook on Teaching and Learning Economics*, Gail Hoyt and KimMarie McGoldrick (eds.), 2012, Edward Elgar, pp. 494-504.
- "Teaching Opportunity Cost in an Emissions Permit Experiment," (with E. Myers, M. Wråke, S. Mandell, and D. Burtraw) *International Research in Economic Education*, 2010, 9, issue 2, 34-42.
- "Vertical Integration of Successive Monopolists: A Classroom Experiment" (with Narine Badasyan, Jacob K. Goeree, Monica Hartmann, John Morgan, Tanya Rosenblat, Maros Servatka, Dirk Yandell), *Perspectives on Economic Education Research* 2009. Vol. 5, No. 1, 61-77.

- "Production and Gains from Trade" (with L. Anderson, E. Blanchard, K. Chaston, C. Holt, L. Razzolini and R. Singleton), *Perspectives on Economic Education Research*, 2008. Vol. 4, No.1, 2-22.
- "Bubbles in an Asset Market" (with AJ Bostian) *Journal of Economic Education*, 2009, Vol. 40, No. 1, Winter, 27-37.
- "Classroom Games: Experience-Based Discrimination" (with J. Goeree and R. Fryer) *Journal of Economic Education*, 2005, 36(2), 160-170.
- "A Classroom Exercise: Voting by Ballots and Feet" (with R. Hewett, G. Kosmopoulou, C. Kymn, C. Long, S Mousavi, and S. Sarangi), *Southern Economic Journal*, July 2005, 72(1), 253-263.
- "Predation, Asymmetric Information, and Strategic Behavior in the Classroom: An Experimental Approach to the Teaching of Industrial Organization, (with M. Capra, R. Gomez, and J. Goeree), *International Journal of Industrial Organization*, January 2000, *18*-1.
- "Classroom Games: Making Money" (with Susan Laury) *Journal of Economic Perspectives*, Spring 2000, 205-213.
- "Classroom Games: A Prisoner's Dilemma" (with Monica Capra), *Journal of Economic Education*, 2000, 31(3), 229-236.
- "Classroom Games: Strategic Interaction on the Internet" (with M. Grobelnik and V. Prasnikar) Journal of Economic Perspectives, 13:2, Spring 1999, 211-220.
- "Classroom Games: A Market for Lemons" (with Roger Sherman), *Journal of Economic Perspectives*, 13:1, Winter 1999, 205-214.
- "Classroom Games: Rent Seeking and the Inefficiency of Non-market Allocations" (with Jacob Goeree), *Journal of Economic Perspectives*, 13:3, Summer 1999, 217-226.
- "Teaching Economics with Classroom Experiments: A Symposium" *Southern Economic Journal*, 65(3), January 1999, 603-610.
- "Multi-Market Equilibrium and the Law of One Price" (with Susan Laury) *Southern Economic Journal*, 65(3), January 1999, 611-621.
- "Employment and Prices in a Simple Macro-Economy" (with Jacob Goeree), *Southern Economic Journal*, 65(3), January 1999, 637-647.
- "Coordination" (with Monica Capra), *Southern Economic Journal*, 65(3), January 1999, 630-636.
- "Voting and Political Institutions" (with Lisa Anderson), *Southern Economic Journal*, January 1999, 622-629.
- "Experimental Economics in the Classroom" (with Tanga McDaniel) in W. B. Walstad and P. Saunders, eds., *Teaching Undergraduate Economics: A Handbook for Instructors*, McGraw Hill, 1998, 257-268.
- "Classroom Games: Bubbles in an Asset Market" (with Sheryl Ball), *Journal of Economic Perspectives*, 12(1), Winter 1998, 207-218.

- "Classroom Games: Voluntary Provision of a Public Good" (with Susan Laury), *Journal of Economic Perspectives*, 11(4), Fall 1997, 209-215.
- "Classroom Games: Information Cascades" (with Lisa Anderson), *Journal of Economic Perspectives*, 10(4), Summer 1996, 187-193.
- "Classroom Games: Understanding Bayes' Rule" (with Lisa Anderson), *Journal of Economic Perspectives*, 10(2), Spring 1996, 179-187.
- "Classroom Games: Trading in a Pit Market" *Journal of Economic Perspectives*, 10 (1), Winter 1996, 193-203.

CURRENT MANUSCRIPTS AND PROJECTS:

Submitted for publication:

- "Information Integration in Experimental Markets with Insiders and Durable Assets," (with Daniel Q. Harper and Margaret M. Isaacson), revised January 2024.
- "Tobin's Q, Liquidity, and Speculation in Laboratory Markets," (with Daniel K. Harper), revised April 2024.
- "Can Discount Window Stigma be Cured? An Experimental Investigation," Olivier Armantier and Charles A. Holt, May 2024, working paper, Federal Reserve Bank of New York.
- "Inventory Management with Carryover in a Laboratory Setting: Going Beyond the Newsvendor Paradigm," (with Béatrice Boulu-Reshef), revised and submitted, December 2023.
- "The Jamestown/Xiaogang Survival Game: A Class Experiment," Lee Coppock, Charles A. Holt, Cathleen Johnson, and Madison Smither, March 2024.
- "The Directional Difference Test" (with Daniel Kwiakowski and Sean Sullivan), May 2024.

Under revision:

- "Teaching Financial Crises: A Leverage Experiment," Lee Coppock, Daniel Harper, and Charles A. Holt, May 2024.
- "The Virtues of Lab Experiments" (with Gary Charness, James Cox, Catherine Eckel, and Brian Jabarian), April 2024.
- "A Behavioral Study of Retirement Savings Accounts: Roth Versus Traditional," (with Clement Bohr and Alexandra Schubert) presented at the North American Economic Science Association Meetings, October 2023.
- "The Allais Paradox and Bipolar Risk Preference: An Analysis with Chernoff Faces" (with Irene Comeig) initial draft, April 2023, presented at the North American Economic Science Association Meetings, October 2023.
- "Teaching Average vs Marginal Analysis with Green Eggs and Ham," (with Madeleine Green and Juliette Sellgren), draft, presented at the CTREE conference, May 2024.
- "The Winner's Curse in Offshore Wind Auctions: An Experimental Comparison," (with Erica Sprott), presented at the Southern Economics Association Meeting, Ft. Lauderdale, November 2022.

- "Can Competition Promote Trusting Behavior? Reciprocity, and Pro-Social Behavior in Repeated Interactions," (with Erica Sprott), presented at the North American Economic Science Association Meetings, October 2023.
- "The Pursuit of Revenue Reduction: An Experimental Analysis of the Shanghai License Plate Auction," (with Evan Zuofu Liao and Penny Huixin Yang), Discussion Paper, revised January 2024.
- "Reverse Auctions to Procure Negative Emissions at Industrial Scale," Dallas Burtraw, Charles Holt, Åsa Löfgren, and William Shobe, Preliminary Draft, November 2023, presented at the NBER Conference on Decarbonization.
- "Common Pool Corruption in the Classroom," (with Snigda Das), July 2024 draft.