

Theodore L. Turocy

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RESEARCH INTERESTS Computational and behavioural game theory and economics.

POSTS HELD **Alan Turing Institute**
Theme Lead,
Game Theory and Collective Decision Making in Foundational AI Research 2023-present

University of East Anglia
Professor of Economics 2013-present
Director, Laboratory for Economic and Decision Research 2018-present
Associate Dean for Research, Faculty of Social Sciences 2016-2021
Director, Centre for Behavioural and Experimental Social Science 2011-2016
Senior Lecturer in Economics (equivalent Associate Professor, with tenure) 2010-2013

Texas A&M University, Department of Economics
Assistant Professor 2001-2009

EDUCATION **Ph.D., Northwestern University**, Evanston, Illinois, U.S.A.
Managerial Economics and Decision Science August 2001

B.S. with Honors, California Institute of Technology, Pasadena, California, U.S.A.
Engineering & Applied Science and Economics (double major) June 1994

HONOURS AND AWARDS InnovateUK Knowledge Transfer Partnership, University of East Anglia and Anglian Water
(with Rose Meleady; award amount £91,000) February 2020-February 2022

Economic and Social Research Council (UK), Network for Integrated Behavioural Science 2
(joint with 12 other co-Is; total award amount £1.5m) October 2017-June 2022

Economic and Social Research Council (UK), Network for Integrated Behavioural Science
(joint with 18 other co-Is; total award amount £3.2m) January 2013-September 2017

British Academy Small Grant (award amount £9,974) March 2012

PUBLICATIONS **Refereed publications of original research**

Xue, L., Sitzia, S., and Turocy, T.L. (2023). "Concord and contention in a dynamic unstructured bargaining experiment with costly conflict." *Journal of Economic Psychology* 97, 102631.

Chowdhury, S.M., Mukherjee, A., and Turocy, T.L. (forthcoming). "And the first runner-up is...: Sequential versus simultaneous winner revelation in multi-winner discriminated Tullock contests." *Review of Economic Design*

Fallucchi, F., Luccasen, R.A., and Turocy, T.L. (2022). "The sophistication of conditional cooperators: Evidence from public goods games." *Games and Economic Behavior* 136:31–62.

Reuben, E., Svorencik, A., Li, S.X., Suetens, S., Turocy, T., and Kotsidis, V. (forthcoming). "Trends in the publication of experimental economics articles." *Journal of the Economic Science Association*.

Kamat, J., Meleady, R., Turocy, T. and Danino, V. (2022). "Behaviour change interventions in the water sector." *Institute of Water Journal* 7:10–16.

Chowdhury, S.M., Mukherjee, A., and Turocy, T.L. (2020). "That's the ticket: Explicit lottery randomisation and learning in Tullock contests." *Theory and Decision* 88(3): 405–429.

- Radoc, B., Sugden, R., and Turocy, T.L. (2019). “Correlation neglect and case-based decisions.” *Journal of Risk and Uncertainty* 59(1): 23–43.
- Fallucchi, F., Luccasen, R.A., and Turocy, T.L. (2019). “Identifying discrete behavioural types: A re-analysis of public goods game contributions by hierarchical clustering.” *Journal of the Economic Science Association* 5(2), 238–254.
- Xue, L., Sitzia, S., and Turocy, T.L. (2017). “Mathematics self-confidence and the ‘prepayment effect’ in riskless choices.” *Journal of Economic Behavior & Organization* 135: 239–250.
- Rentschler, L. and Turocy, T.L. (2016). “Two-bidder all-pay auctions with interdependent valuations, including the highly competitive case.” *Journal of Economic Theory* 163: 435–466.
- Montero, M., Possajennikov, A., Sefton, M. and Turocy, T.L. (2016). “Majoritarian Blotto contests with asymmetric battlefields: An experiment on apex games.” *Economic Theory* 61(1): 55–89.
- Chowdhury, S.M., Sheremeta, R.M. and Turocy, T.L. (2014). “Overbidding and overspreading in rent-seeking experiments: Cost structure and prize allocation rules.” *Games and Economic Behavior* 87: 224–238.
- Lim, W., Matros, A. and Turocy, T.L. (2014). “Bounded rationality and group size in Tullock contests: Experimental evidence.” *Journal of Economic Behavior & Organization* 99: 155–167.
- Gronberg, T.J., Luccasen, R.A., Turocy, T.L., and Van Huyck, J.B. (2012). “Are tax-financed contributions to a public good completely crowded-out? Experimental evidence.” *Journal of Public Economics* 96: 596–603.
- Turocy, T.L. and Watson, E. (2012). “Reservation values and regret in laboratory first-price private values auctions: Context and bidding behavior.” *Southern Economic Journal* 78(4): 1163–1180.
- Turocy, T.L. (2010). “Using quantal response to compute Nash and sequential equilibria.” *Economic Theory* 42(1): 255–269.
- Turocy, T.L. (2009). “Covering your posterior: Teaching signaling games using classroom experiments.” *Journal of Economic Education* 40(2): 188–199.
- Turocy, T.L. (2008). “Towards a black-box solver for finite games: Finding all Nash equilibria with Gambit and PHCpack.” In *Software for Algebraic Geometry*, Michael E. Stillman, Nobuki Takayama, and Jan Verschelde, editors. New York: Springer, 133–148.
- Turocy, T.L. (2008). “Auction choice for ambiguity-averse sellers facing strategic uncertainty.” *Games and Economic Behavior* 62(1): 155–179.
- Turocy, T.L. (2008). “In search of the last-ups advantage in baseball: A game-theoretic approach.” *Journal of Quantitative Analysis in Sports* 4(2): 5.
- Chen, Y., Razzolini, L. and Turocy, T.L. (2007). “Congestion allocation for distributed networks: An experimental study.” *Economic Theory* 33(1): 121–143.
- Turocy, T.L. (2007). “On the sufficiency of transitive preferences.” *Economics Bulletin* 4(22): 1–9.
- Turocy, T.L., Watson, E., Battalio, R.C. (2007). “Framing the first-price auction.” *Experimental Economics* 10(1): 37–54.
- Turocy, T.L. (2005). “A dynamic homotopy interpretation of the logistic quantal response equilibrium correspondence.” *Games and Economic Behavior* 51(2): 243–263.
- Turocy, T.L. (2005). “Offensive performance, omitted variables, and the value of speed in baseball.” *Economics Letters* 89: 283–286.
- Plott, C.R. and Turocy, T.L. (1996). “Intertemporal speculation under uncertain future demand: Experimental results.” In *Understanding Strategic Interaction: Essays in Honor of*

Reinhard Selten, Alberts et al, editors. Berlin: Springer-Verlag.

Conference papers

Vu, T.M., Siebers, P.-O., Skatova, A., and Turocy, T.L. (2015). “Modelling the effect of individual differences in punishment sensitivity on behaviour in a public goods game.” The 14th International Conference on Modeling and Applied Simulation, September 21-23, 2015, Bergeggi, Italy.

Computer software

McKelvey, R.D., McLennan, A.M, and Turocy, T.L. “Gambit: Software tools for game theory.” <http://www.gambit-project.org>.

Survey articles

Turocy, T.L. (2011). “Software for solving noncooperative strategic form games.” In *Wiley Encyclopedia of Operations Research and Management Science*. New York: Wiley.

Turocy, T.L. (2007). “Computation in finite games: Using Gambit for quantitative analysis.” In *Positive Changes in Political Science: The Legacy of Richard D. McKelvey’s Most Influential Writings*, Aldrich, Alt, and Lupia, editors. Ann Arbor: University of Michigan Press, pages 475–487.

Turocy, T.L. and von Stengel, B. (2002). “Game theory,” In *Encyclopedia of Information Systems*, Volume 2. San Diego: Elsevier Science (USA), pages 403–420.

MANUSCRIPTS

Bland, J. and Turocy, T.L. “Quantal response equilibrium as a structural model for estimation: The missing manual”

Fletcher, A., Lyons, B., Sugden, R., Turocy, T.L. and Wang, M. “Consumer engagement in markets: Measuring preferences between search tasks with different characteristics”

Xue, L., Sitzia, S., and Turocy, T.L. “Bargaining over endowments produced by joint activity: Experimental evidence”

Dawson, P., Nasamu, E., and Turocy, T.L. “Leadership in complex games.”

Turocy, T.L. and Cason, T.N. “Bidding in first-price and second-price interdependent-values auctions: A laboratory experiment.” Supported by British Academy Small Grant.

Rentschler, L. and Turocy, T.L. “Tu mihi soli places: An experiment on the competitiveness of all-pay auctions with private information.”

Kaplan, T.R. and Turocy, T.L. “Behavioural bidding in first-price auctions: Marginal or average-case reasoning.”

Breitmoser, Y., Tan, J.H.W and Turocy, T.L. “Racing towards a finishing line: Theory and experiment.”

Mayer, A. and Turocy, T.L. “Wage bargaining with direct competition and heterogeneous access to vacancies.”

Turocy, T.L. “A theory of theft: An inspection game model of the stolen base play in baseball.”

OTHER

Contributor to BBC Radio 4 programme, “The Bishop and the Bankers,” July 2013.

REFEREE EXPERIENCE Member of the Peer Review College for UK Research and Innovation Future Leaders Fellowships (2018-)

American Journal of Political Science, Annals of Regional Science, Artificial Intelligence, B.E. Journal of Economic Analysis & Policy, Econometrica, Economic Inquiry, Economic Theory, Entropy, European Economic Review, European Journal of Operational Research, Experimental Economics, Games and Economic Behavior, International Economic Review, Journal

of Behavioral and Experimental Economics, Journal of Economic Behavior and Organization, Journal of Economic Dynamics and Control, Journal of Economic Theory, Journal of Economics & Management Strategy, Journal of Experimental & Theoretical Artificial Intelligence, Journal of Public Economics, Management Science, Mathematical Programming, Oxford Economic Papers, Scandinavian Journal of Economics, Theory and Decision, National Science Foundation (U.S.), Economic and Social Research Council (U.K.), Natural Environment Research Council (U.K.), Social Sciences and Humanities Research Council (Canada), Carnegie Trust, U.S./Israel Binational Science Foundation.

SERVICE

Vice President of Information, Economic Science Association, August 2015-present.

Deputy Head of School, School of Economics, University of East Anglia, September 2015-July 2021.

Deputy Chair, University Research Ethics Committee, University of East Anglia, December 2017-July 2021 (Acting Chair August 2020-October 2020.)

Communications Director, ESRC Network for Integrated Behavioural Science, January 2013-September 2017.

Research Director, School of Economics, University of East Anglia, January 2011-January 2014; September 2014-August 2015.

Unit of Assessment Coordinator, Economics submission, for UK Research Excellence Framework exercise REF 2014.

Deputy Chair, School of Economics Research Ethics Committee and delegate to University Research Ethics Committee, University of East Anglia, August 2010-July 2013 and August 2014-August 2016.

Co-organiser, Contests: Theory and Experiments, 2016-2020; conference programme committee member: DoForm 2013; NAG (Norms, Actions, Games) 2014.

Faculty of Social Science Representative, Information, Strategy, and Services Committee, University of East Anglia, September 2012-August 2014.

Moderator, Economic Science Association ESA-discuss and ESA-announce email lists, September 2006-present.

REFERENCES

Available upon request.