

Theodore L. Turocy

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Norwich Research Park, Norwich, Norfolk NR4 7TJ United Kingdom

RESEARCH INTERESTS Behavioural, experimental, and computational game theory and microeconomic theory.

POSTS HELD **University of East Anglia**
Associate Dean for Research, Faculty of Social Sciences 2016-present
Director, Centre for Behavioural and Experimental Social Science 2011-2016
Professor of Economics 2013-present
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 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
Nuffield Foundation Small Grants Scheme in the Social Sciences,
with Todd R. Kaplan (award amount £7,200) November 2009
Shortlisted for Writing-Intensive Course Instructor of the Year,
Texas A&M University Autumn 2006 and Autumn 2007
Society for Computational Economics, Graduate Student Prize in Computational Economics,
for "Implications of Approximate Equilibrium Concepts in Sealed-Bid Auctions." June 2001

PUBLICATIONS **Refereed publications of original research**
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.

Currently under review

Chowdhury, S.M., Mukherjee, A., and Turocy, T.L. “That’s the ticket: Explicit lottery randomisation and learning in Tullock contests.”

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.

Fallucchi, F., Luccasen, R.A., and Turocy, T.L. “Behavioural types in public goods games: A re-analysis by hierarchical clustering.”

In preparation

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.”

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

Radoc, B., Sugden, R., and Turocy, T.L. “Colour-coded decisions: An experiment on case-based decision theory.”

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

Selected projects

“Behavioural types are portable across public goods games.” (with F. Fallucchi and R.A. Luccasen)

“Three-person bargaining in continuous time: Experiments on cooperative game theory.” (with B. Mcquillin, A. Poulsen, and R. Sugden)

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

2016: City University London (January); University of Exeter (January); Cardiff University (February); Durham University (March); Royal Economic Society Meetings (Brighton, March); GW4 Game Theory Workshop (Bristol, May); Workshop on the Economic Science of Heterogeneous Interacting Agents (Castellón de la Plana, June); 17th ACM Conference on Economics and Computation (Maastricht, July); Fifth World Congress of the Game Theory Society (Maastricht, July); European Meetings of the Economic Science Association (Bergen, September).

2015: International Symposium on Mathematical Programming (Pittsburgh, July); Contests: Theory and Evidence Conference (Norwich, July); Society for the Advancement of Economic Theory Conference (Cambridge, July).

2014: Wissenschaftszentrum Berlin für Sozialforschung (February); Chapman University (April); Case Western Reserve University (April); University of South Carolina (April); NIBS Conference on Individual and Household Financial Decision-Making (May); Economic Science Association European Meetings (Prague, September); UECE Lisbon Meetings: Game Theory and Applications (November); Institute for Mathematics and its Applications Conference on Game Theory and its Applications (Oxford, December).

2013: University of Aberdeen (February); Institute for Social and Economic Research, University of Essex (May); North American Meetings of the Economic Science Association (Santa Cruz, October).

2012: Nottingham University Business School (March); Workshop on noise and imprecision in individual and interactive decision-making (University of Warwick, April; invited plenary speaker); Contests, Mechanisms, and Experiments Conference (University of Exeter, April; invited plenary speaker); Computation in Economics and Finance 2012 (Prague, June); Fourth

World Congress of the Game Theory Society (Istanbul, July); Antigua Experimental Economics Conference (Guatemala, October); WINE 2012: The 8th Workshop on Internet & Network Economics (Liverpool, December; invited workshop).

2011: International Meetings on Behavioral and Experimental Economics (Barcelona, April); World Meetings of the Economic Science Association (Chicago, July); 21st Summer Festival of Game Theory (Stony Brook, July); European Meetings of the Economic Science Association (Luxembourg, September); CeDeX, University of Nottingham (October).

2010: Behavioral and Quantitative Game Theory Conference (Newport Beach, May); World Meetings of the Economic Science Association (Copenhagen, July).

2008: Department of Economics, Temple University (February); Department of Economics, Lehigh University (February); North American Meetings of the Economic Science Association (Tucson, November).

2007: World Meetings of the Economic Science Association (Rome, June); Department of Economics, Indiana University (September); New England Symposium on Statistics in Sports (Boston, September); Dagstuhl Seminar on Equilibrium Computation (Dagstuhl, Germany, November).

2006: Software for Algebraic Geometry Workshop (Institute for Mathematics and its Applications, Minnesota, October); North American Meetings of the Economic Science Association (Tucson, September).

2005: World Meetings of the Economic Science Association (Montréal, June); Department of Economics, University of Wisconsin (September).

2004: Second World Congress of the Game Theory Society (Marseille, July).

2003: North American Summer Meetings of the Econometric Society (Evanston, June); Stanford Institute for Theoretical Economics (July); 13th Summer Festival on Game Theory (Stony Brook, July).

2002: Division of Humanities and Social Sciences, California Institute of Technology (March).

2001: London School of Economics (June); North American Meetings of the Economic Science Association (November).

2000: First World Congress of the Game Theory Society (Bilbao, July).

REFeree EXPERIENCE *American Journal of Political Science*, *Annals of Regional Science*, *Artificial Intelligence*, *B.E. Journal of Economic Analysis & Policy*, *Econometrica*, *Economic Inquiry*, *Economic Theory*, *European Journal of Operational Research*, *Experimental Economics*, *Games and Economic Behavior*, *International Economic Review*, *Journal of Economic Behavior and Organization*, *Journal of Economic Dynamics and Control*, *Journal of Economic Theory*, *Journal of Economics & Management Strategy*, *Journal of Public Economics*, *Management Science*, *Theory and Decision*, National Science Foundation (U.S.), Economic and Social Research Council (U.K.), Social Sciences and Humanities Research Council (Canada), 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-December 2016.
Communications Director, ESRC Network for Integrated Behavioural Science, January 2013-present.
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.

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.

At-large delegate, Faculty Senate, Texas A&M University, September 2007-June 2009.

Department of Economics representative, College of Liberal Arts Quality Enhancement Plan council, Texas A&M University, September 2006-May 2008.

Undergraduate Instruction Committee, Department of Economics, Texas A&M University, 2005-2008.

REFERENCES

Available upon request.