

XUN TANG

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EMPLOYMENT AND AFFILIATION

Henry S. Fox Sr. Chair in Economics, Rice University, July 2019 - Present
Principal Economist, Amazon, June 2020 - Present
Professor, Economics Dept., Rice University, July 2017 - Present
Associate Professor (with tenure), Economics Dept., Rice University, July 2014-June 2017
Assistant Professor, Economics Dept., University of Pennsylvania, July 2009-June 2015
Lecturer, Economics Dept., University of Pennsylvania, July 2008-June 2009

EDUCATION

Ph.D., Economics, Northwestern University, Evanston, IL, 2008
M.A., Economics, Northwestern University, Evanston, IL, 2004
M.P.P., Harris School of Public Policy, University of Chicago, 2003
B.A., English, Beijing Foreign Studies University, Beijing, China, 1998

EDITORIAL POSITION

Associate Editor, Journal of Econometrics
Associate Editor, Econometrics Journal

PUBLICATION (REFEREED JOURNAL ARTICLES)

1. "Estimating Simultaneous Games with Incomplete Information under Median Restrictions" (*Economics Letters*, Vol. 108, Issue 3, 2010)
2. "Bounds on Revenue Distributions in Counterfactual Auctions with Reserve Prices" (*Rand Journal of Economics*, Vol. 42, Issue 1, 2011)
3. "Inference of Signs of Interaction Effects in Simultaneous Games with Incomplete Information" (with Aureo de Paula. *Econometrica*, Vol. 80, Issue 1, 2012)
4. "Identification and Estimation of Stochastic Sequential Bargaining Games" (with Antonio Merlo. *Econometrica*, Vol. 80, Issue 4, 2012)
5. "Semiparametric Inference in Dynamic Binary Choice Models" (with Andriy Norets. *Review of Economic Studies*, Vol 81, Issue 3, 2014)
6. "Inference of Bidders' Risk Aversion in Ascending Auctions with Endogenous Entry" (with Hanming Fang. *Journal of Econometrics*, Vol. 180, Issue 2, 2014)
7. "Regulation and Capacity Choices under Incomplete Information: Evidence from Dialysis Market" (with Mian Dai. *Review of Economics and Statistics*, Vol. 97, No. 5, pp. 965-982, 2015)
8. "Identification and Estimation of Games with Incomplete Information Using Excluded Regressors" (with Arthur Lewbel. *Journal of Econometrics*, Vol. 189, Issue 1, pp.229-244, 2015)
9. "On the Informational Content of Special Regressors in Heteroskedastic Discrete Response Models" (Joint with Songnian Chen and Shakeeb Khan. *Journal of Econometrics*, Vol.193, Issue 1, July 2016)
10. "Committee Decisions with Heterogeneous Tastes and Ideological Bias" (with Yonghong An. *Journal of Business and Economic Statistics*, Vol. 35, 2017)
11. "New Results on the Identification of Stochastic Bargaining Models" (with Antonio Merlo, *Journal of Econometrics*, Vol.209, Issue 1, 2019)

12. "Specification and Negotiation in Auctions with Incomplete Contracts" (with Yonghong An, *Rand Journal of Economics*, Vol. 50, Issue 1, 2019)
13. "Bargaining with Optimism: A Structural Analysis of Medical Malpractice Lawsuits in Florida" (with Antonio Merlo, *International Economic Review*, Vol. 60, No. 3, 2019)
14. "Exclusion Restriction in Dynamic Binary Choice Panel Data Models," (with Shakeeb Khan and Songnian Chen, *Econometrica*, Vol.87, No.5, 2019)
15. "Role of Quality in Online Service Markets" (with Elena Krasnokutskaya and Kyungchul Song, *Journal of Political Economy*, Vol.128, No.1, 2020)
16. "Uncovering Heterogeneous Peer Effects in Binary Choices," (with Zhongjian Lin and Ning Yu), *Journal of Econometrics*, forthcoming in 2021)
17. "Estimating Unobserved Individual Heterogeneity via Pairwise Comparison" (with Elena Krasnokutskaya and Kyungchul Song, *Accepted for publication, Journal of Econometrics*)

COMPLETED WORKING PAPERS

1. "Social Network with Unobserved Links" (with Arthur Lewbel and Xi Qu), revise and resubmit, *Journal of Political Economy*
2. "Endogeneity in Discrete Bayesian Games: U.S. Cellphone Service Deployment" (with Zhongjian Lin and Mo Xiao), submitted to *Review of Economic Studies*
3. "Identification and Estimation of Weakly Separable Models without Monotonicity" (with Songnian Chen and Shakeeb Khan), submitted to *Journal of Econometrics*
4. "Estimation of Large Network Games with Private Link Information" (with Hulya Eraslan)
5. "Risk and Information in Dispute Resolution: An Empirical Study of Arbitration" (with Yunmi Kong and Bernardo S. Silveira)
6. "Misclassification of Links in Social Networks" (with Arthur Lewbel and Xi Qu)

CONFERENCE AND SEMINAR PRESENTATIONS

- (2020) University of California (Davis)
- (2019) Brown University, Econometric Society China Meeting (Jinan U), Toulouse, Tsinghua, U Washington, Vanderbilt
- (2018) Northwestern, Stanford, UBC, UC Davis, UC Irvine, UCLA, U Toronto, Vanderbilt
- (2017) Bank of Canada, Indiana University (Bloomington), University College London, Washington University in St. Louis, University of South California, Vanderbilt
- (2016) ASSA 2016 (San Francisco), University College London, London School of Economics, CEMFI (Madrid), Toulouse, CREST (Paris), Vanderbilt, Boston College
- (2015) Emory, ESWC (Montreal), Ohio State, Princeton, Stanford (SITE), Texas Econometrics Camp, Texas A&M, U Wisconsin (Madison), Yale (Cowles Foundation)
- (2014) Penn State, Rochester, Northwestern, UW Milwaukee, NAES Summer Meeting 2014, Brown
- (2013) Cornell, University College London, UCLA, USC, UT Austin, Rutgers, U Penn (Econ), U Montreal, ASSA 2013 (San Diego), NAES Summer Meeting 2013, NYU, Carnegie Mellon
- (2012) Brown, U California (Berkeley), U Penn (Wharton), U Penn (Econ), Stanford (SITE), U Toronto, U British Columbia, U Illinois (Urbana-Champaign), U Connecticut, U Michigan (Ann Arbor), U Virginia
- (2011) Boston College, Columbia, Duke University, ASSA 2011 (Denver, CO), London School of Economics, University College London, NAES Summer Meeting (St. Louis, MO), Northwestern U, Rice U, Texas A&M, U Pittsburgh, International Conference of the Society of Economic Dynamics (Ghent, Belgium)
- (2010) Econometric Society World Congress (Shanghai), National University of Singapore, Northwestern, Princeton, Vanderbilt
- (2009) Drexel, North America Econometric Society Summer Meeting (Boston), Penn State, U

Penn (Wharton School of Business)
(2008) California Institute of Technology, Carnegie Mellon, Dartmouth, Duke, Georgetown, Stanford GSB, UCLA, U Michigan, U Penn, UT Austin, Princeton

FELLOWSHIPS AND AWARDS

National Science Foundation Grant: “Empirical Analysis of Social Network with Unreported Links.” Joint with Arthur Lewbel. Amount: \$289,948. Dates: Aug 15,2019-July 31, 2022
National Science Foundation Grant: “Nonparametric Identification and Estimation of Bargaining Models.” Joint with Antonio Merlo. Amount: \$448,320. Dates: Sep 1, 2013-Aug 31, 2016
Honorable Mention, The Zellner Thesis Award in Business and Economic Statistics, 2009
Fellowship, Center of Industrial Organization, Northwestern University, 2007-2008
University Fellowship, Northwestern University, 2003-2004
Harris Fellowship, Harris School of Public Policy, the University of Chicago, 2001-2003

TEACHING EXPERIENCE

(U Penn): Intro to Statistics (Spring 2009, Spring 2010), Graduate IO (Fall 2010, 2012, 2013), Under-graduate IO (Fall 2010), Graduate Econometrics (Fall 2012, 2013)
(Rice): ECON 409 (Fall 2014); ECON 497 (Spring 2016, 2017, 2018, 2019, 2020); ECON511 (Spring 2015, 2016, 2017, 2018, 2019, 2020); ECON578 (Fall 2017, 2018)

PHD STUDENT SUPERVISION

Dissertation Advisor of: Nicholas Copeland (Rice); Kerda Varaku (Rice); Mahya Amani (Rice)
Thesis Committee Member of: Channa Yoon (Economics, U Penn; Initial placement: CUNY, Baruch College, Zicklin School of Business); Hui Li (Economics, U Penn; Initial placement: Carnegie Mellon); Raul Bajo-Buenestado (Economics, Rice; Initial placement: University of Navarro, Spain); Binlei Gong (Economics, Rice; Initial placement: Zhejiang University), Jaepil Han (Economics, Rice; Initial placement: KDI); Jin Li (Economics, Rice; IP: Nankai University); Iliya Atanasov (Political Science, Rice); Mark Agerton (Economics, Rice; IP: UC Davis); Nick Frazier (Economics, Rice); Emmanuel Yimfor (Jones School, Rice; IP: U Michigan); Daniella de la Parra (Jones School, Rice)

REFEREE ACTIVITY

American Economic Review, Annals of Applied Statistics, Econometrica, Econometric Reviews, Econometrics Journal, Econometric Theory, European Economic Review, Empirical Economics, Games and Economic Behavior, International Economic Review, Journal of Applied Econometrics, Journal of Business and Economic Statistics, Journal of Econometrics, Journal of Econometric Methods, Journal of Industrial Economics, Journal of Political Economy, Quantitative Economics, Quarterly Journal of Economics, Rand Journal of Economics, Review of Economic Studies, Review of Economics and Statistics, National Science Foundation, Social Science and Humanities Research Council of Canada

ADMINISTRATIVE ASSIGNMENTS

Junior Faculty Recruiting Committee, Rice University, 2018-1029
Graduate Committee, Rice University, 2014-2015, 2015-2017
Graduate Admissions Committee, University of Pennsylvania, 2008-2010, 2011-2014
Undergraduate Honors Thesis Advisor, University of Pennsylvania, 2010-2011

OTHER EMPLOYMENT

Research Assistant, National Opinion Research Center, University of Chicago, 2002-2003
Associate Director of International Affairs, People's Daily, Beijing, China 1998-2001