

# Li Tan

<https://tan-l.github.io/>

## CONTACT INFORMATION

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Work Address: TBA

Tel: TBA

Email: [L.Tan@asu.edu](mailto:L.Tan@asu.edu)

## EDUCATION

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2018	Ph.D. in Economics, University of Missouri-Columbia
2012	M.S. in Financial Management, Australian National University
2009	B.E. in Industrial Engineering, Tsinghua University

## WORK EXPERIENCE

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2022-Present	Assistant Professor of Engineering Education Systems & Design in the Polytechnic School at Arizona State University
2021-2022	Visiting Assistant Professor in School of Engineering Education, Purdue University
2018-2021	Postdoctoral Researcher at the Social Policy and Higher Education Research in Engineering (SPHERE), Purdue University
2015-2018	Research Assistant at the Economic & Policy Analysis Research Center (EPARC), University of Missouri-Columbia

## JOURNAL PUBLICATIONS

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1. Main, J. B., Cox, M. F., McGee, E. O., Tan, L., & Berdanier, C. (forthcoming). Trends in the Underrepresentation of Women Faculty of Color in Engineering. *R&R at Journal of Diversity in Higher Education*.
2. Main, J. B., Wang, Y., & Tan, L. (2022). Preparing Industry Leaders: The Role of Doctoral Education and Early Career Management Training in the Leadership Trajectories of Female STEM PhDs. *Research in Higher Education*, 63(3), 400-424. ([link](#))
3. Main, J. B., Wang, Y., & Tan, L. (2021). The Career Outlook of Engineering PhDs: Influence of Postdoctoral Research Positions on Early Career Salaries and the Attainment of Tenure Track Faculty Positions. *Journal of Engineering Education*, 110(4), 977-1002. ([link](#))
4. Tan, L. (2021). Imputing Top-Coded Income Data in Longitudinal Surveys. *Oxford Bulletin of Economics and Statistics*, 83(1), 66-87. ([link](#))
5. Tan, L., Main, J. B., & Darolia, R. (2021). Using Random Forest Analysis to Identify Student Demographic and High School-Level Factors that Predict College Engineering Major Choice. *Journal of Engineering Education*, 110(3), 572-593. ([link](#))
6. Main, J. B., Tan, L., Cox, M. F., McGee, E. O., & Katz, A. (2020). The Correlation Between Undergraduate Student Diversity and the Representation of Women of Color Faculty in Engineering. *Journal of Engineering Education*, 109(4), 843-864. ([link](#), [DATABYTES](#))
7. Tan, L. & Koedel, C. (2019). The Effects of Differential Income Replacement and Mortality on U.S. Social Security Redistribution. *Southern Economic Journal*, 86(2), 613-637. ([link](#))
8. Koedel, C., Li, J., Springer, M. G., & Tan, L. (2019). Teacher Performance Ratings and Professional Improvement. *Journal of Research on Educational Effectiveness*, 12(1), 90-115. ([link](#), authorship alphabetical)
9. Parsons, E., Koedel, C., & Tan, L. (2019). Accounting for Student Disadvantage in Value-Added Models. *Journal of Educational and Behavioral Statistics*, 44(2), 144-179. ([link](#))
10. Koedel, C., Li, J., Springer, M. G., & Tan, L. (2017). The Impact of Performance Ratings on Job Satisfaction for Public School Teachers. *American Educational Research Journal*, 54(2), 241-278. ([link](#), authorship alphabetical)

## TEACHING

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Arizona State University	EGR 280: Engineering Statistics (2022 Fall)
Purdue University	ENGR 131: Transforming Ideas to Innovation I (2022 Summer) ENGR 132: Transforming Ideas to Innovation II (2022 Spring) ENGR 131: Transforming Ideas to Innovation I (2021 Fall) IDE 360: Multidisciplinary Engineering Statistics (2019 Spring)

## PROFESSIONAL SERVICE

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Reviews	NSF Reviewer, 2022 Economics of Education Review Education Finance and Policy Journal of Engineering Education Journal of Labor Research Journal of Research on Educational Effectiveness Scottish Journal of Political Economy Statistics and Public Policy Studies in Educational Evaluation ASEE Annual Conference & Exposition (Conference)
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## SELECTED CONFERENCE PRESENTATIONS

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American Society for Engineering Education (ASEE) Annual Conference (2022)  
Association for Education Finance and Policy (AEFP) Annual Conference (2014; 2019)  
Society of Labor Economics (SOLE) Annual Meeting (2018)  
Association for Public Policy Analysis and Management (APPAM) Annual Fall Research Conference (2017)  
Midwest Econometrics Group (MEG) 27th Annual Meetings (2017)

## HONOR & AWARDS

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University of Missouri Research Data Center Interdisciplinary Doctoral Fellowship (2018)  
Norman Bowers Scholarship (2016)  
Harry Gunnison Brown Research Fellowship (2015)  
Harry Gunnison Brown Graduate Student Fellowship (2014)