

# Li Tan

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

## CONTACT INFORMATION

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## 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)

## **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)