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ZHIPENG LIAO

University of California, Los Angeles
Department of Economics
Bunche Hall
Los Angeles, CA 90095

Phone: (310) 794-5427
Fax: (310) 825-9528
Office: 8379 Bunche Hall
Email: zhipeng.liao@econ.ucla.edu

Academic Position

2019/7 -- present   Associate Professor, University of California, Los Angeles
2011/7 -- 2019/6   Assistant Professor, University of California, Los Angeles

Education

2012   Ph.D. in Economics, Yale University
(Committee: Peter C.B. Phillips, Xiaohong Chen, Donald W.K. Andrews and Edward Vytlacil)

2006   M.A. in Economics, Peking University
(Advisor: Yaohui Zhao)

2002   B.A. in Finance, Beijing Technology and Business University

Research Field

Econometric Theory and Applied Econometrics

Professional Activities

2017 -- present, Associate Editor, *Econometric Theory*
2021 -- present, Associate Editor, *Journal of Business and Economic Statistics*

Grants, Honors and Awards

2019	Travel Grant, UCLA
2018	Econometric Theory *Multa Scripsit* Award
2018	Warren C. Scoville Distinguished Teaching Award, UCLA
2016 -- 2018	National Science Foundation Grant SES -- 1628889 (Co-PI with Denis Chetverikov)
2012	Honorable Mention, the Zellner Thesis Award, American Statistical Association
2006 -- 2010	Dissertation Fellowship, Yale University
2010	Carl Arvid Anderson Fellowship, Yale University
2006 -- 2010	University Fellowship, Yale University,
2006 -- 2010	University Summer Fellowship, Yale University
2004	Excellent Student, Peking University
2004	China Economics Research Scholarship, Peking University
2000	Excellent Student, Beijing Technology and Business University
1999	First Prize in the Mathematics Contest, Beijing Technology and Business University
1998 -- 2000	University Scholarship, Beijing Technology and Business University

Publications

1. "Optimal Cross-Sectional Regression", (with Yan Liu), forthcoming in *Management Science*.

2. "Macro-Finance Decoupling: Robust Evaluations of Macro Asset Pricing Models", (with Xu Cheng and Winston Dou), forthcoming in *Econometrica*.

3. "Conditional Superior Predictive Ability", (with Jia Li and Rogier Quaedvlieg), forthcoming in *Review of Economic Studies*.

4. "A Consistent Specification Test for Dynamic Quantile Models", (with Peter Horvath, Jia Li and Andrew Patton), *Quantitative Economics*, Vol.13(1), 2022, pp. 125--151.

5. "Bootstrap Standard Error Estimates and Inference", (with Jinyong Hahn), *Econometrica*, Vol.89(4), 2021, pp. 1963--1977.

6. "Fixed-k Inference for Volatility", (with Tim Bollerslev and Jia Li), *Quantitative Economics*, Vol.12(4), 2021, pp. 1053--1084.

7. "Volatility Coupling", (with Jean Jacod and Jia Li), *Annals of Statistics*, Vol. 49(4), 2021, pp. 1982--1998.

8. "On Cross-Validated Lasso in High Dimensions", (with Denis Chetverikov and Victor Chernozhukov), *Annals of Statistics*, Vol.49(3), 2021, pp. 1300--1317.

9. "Estimation and Inference of Semiparametric Models Using Data from Several Sources", (with Moshe Buchinsky and Fanghua Li), *Journal of Econometrics*, Vol.226(1), 2021, pp. 80--103.

10. "Uniform Nonparametric Inference for Time Series using Stata", (with Mengsi Gao and Jia Li), *Stata Journal*, Vol.20(3), 2020, pp. 706--721.

11. "Uniform Nonparametric Inference for Time Series", (with Jia Li), *Journal of Econometrics*, Vol.219(1), 2020, pp. 38--51.

12. "A Nondegenerate Vuong Test and A Post Selection Confidence Interval for Semi/Nonparametric Models", (with Xiaoxia Shi), *Quantitative Economics*, Vol.11, 2020, pp. 983--1017.

13. "On Uniform Asymptotic Risk of Averaging GMM Estimators", (with Xu Cheng and Ruoyao Shi), *Quantitative Economics*, Vol.10(3), 2019, pp. 931--979.

14. "Nonparametric Two-step Sieve Estimation and Inference", (with Jinyong Hahn and Geert Ridder), *Econometric Theory*, Vol.34(6), 2018, pp. 1281--1384.

15. "On Standard Inference for GMM with Local Identification Failure of Known Forms", (with Ji Hyung Lee), *Econometric Theory*, Vol.34(4), 2018, pp. 790--814.

16. "Nonparametric Instrumental Variables and Regular Estimation", (with Jinyong Hahn), *Econometric Theory*, Vol.34(3), 2018, pp. 574--597.

17. "Shrinkage Estimation of High-Dimensional Factor Models with Structural Instabilities", (with Xu Cheng and Frank Schorfheide), *Review of Economic Studies*, Vol.83(4), 2016, pp. 1511--1543.

18. "Sieve Semiparametric Two-step GMM under Weak Dependence", (with Xiaohong Chen), *Journal of Econometrics*, Vol.189(1), 2015, pp. 163--186.

19. "Select the Valid and Relevant Moments: An Information-based LASSO for GMM with Many Moments", (with Xu Cheng), *Journal of Econometrics*, Vol.186 (2), 2015, pp. 443--464.

20. "Automated Estimation of Vector Error Correction Models", (with Peter C.B. Phillips), *Econometric Theory*, Vol.31(3), 2015, pp. 581--646.

21. "Asymptotic Efficiency of Semiparametric Two-step GMM", (with Daniel Ackerberg, Xiaohong Chen, Jinyong Hahn), *Review of Economic Studies*, Vol.81(3), 2014, pp. 919--943.

22. "Sieve M Inference of Irregular Parameters", (with Xiaohong Chen), *Journal of Econometrics*, Vol.182(1), 2014, pp. 70--86.

23. "Sieve Inference on Possibly Misspecified Semi-nonparametric Time Series Models", (with Xiaohong Chen and Yixiao Sun), *Journal of Econometrics*, Vol.178(3), 2014, pp. 639--658.

24. "Adaptive GMM Shrinkage Estimation with Consistent Moment Selection", *Econometric Theory*, Vol.29, 2013, pp. 1--48.

25. "Series Estimation of Stochastic Processes: Recent Developments and Econometric Applications", (with Peter C.B. Phillips) in A. Ullah, J. Racine and L. Su (eds.) *Handbook of Applied Nonparametric and Semiparametric Econometrics and Statistics*, Oxford University Press, 2013.

26. "Asymptotic Properties of Penalized M Estimators with Time Series Observations", (with Xiaohong Chen), in N.R. Swanson and X. Chen (eds.) *Recent Advances and Future Directions in Causality, Prediction, and Specification Analysis: Essays in Honor of Halbert White*, Springer, 2013.

Papers Submitted for Publication

1. "Conditional Evaluation of Predictive Models: The cspa Command", (with Jia Li, Rogier Quaedvlieg and Wenyu Zhou).

2. "Uniform Nonparametric Inference for Spatially Dependent Panel Data: The xtnpsreg Command", (with Jia Li and Wenyu Zhou).

3. "Uniform Nonparametric Inference for Spatially Dependent Panel Data", (with Jia Li and Wenyu Zhou).

4. "Learning Before Testing: A Selective Nonparametric Test for Conditional Moment Restrictions", (with Jia Li and Wenyu Zhou).

5. "Identification and the Influence Function of Olley and Pakes' (1996) Production Function Estimator", (with Jinyong Hahn and Geert Ridder), conditionally accepted at the *Econometric Theory*.

6. "The Influence Function of Semiparametric Two-step Estimator with Estimated Control Variables", revised for the *Journal of Econometrics*, (with Jinyong Hahn, Geert Ridder and Ruoyao Shi).

Working Papers

1. "Contrarian Opinion and Its Predictability: Application to Exchange Rates", (with Hyo Sang Kim, Young Ju Kim and Aaron Tornell).

2. "Speculators Positions and Exchange Rate Forecasts: Beating the Random Walk Models", (with Hyo Sang Kim, Young Ju Kim and Aaron Tornell).

3. "On the Optimality of Cross-Validated Series Quantile Estimators", (with Denis Chetverikov).

Ph.D. Students (*as chair or co-chair)

1. Young Ju Kim (2013, first placement: Bank of Korea)
2. Hongxiang Xu (2015, first placement: GCL Energy Holdings Ltd., Hong Kong)
3. Cong Xie (2015, first placement: The Chinese University of Hong Kong, Shenzhen)
4. Joonmo Kang (2016, first placement: Korea Information Society Development Institute)
5. Hyo Sang Kim (2016, first placement: Korea Institute for International Economic Policy)
6. Wenbo Zhou (2017, first placement: Morgan Stanley)
7. Sibo Yan (2017, first placement: KPMG)
8. Xue Hu (2017, first placement: Amazon)
9. Ruoyao Shi* (2017, first placement: University of California, Riverside)
10. Jesper Soerensen (2018, first placement: University of Copenhagen)
11. Xiaoting Sun (2019, first placement: Simon Fraser University)
12. Ziqi Zang (2019, first placement: Amazon)
13. Shuo Liu (2020, first placement: Tsinghua University)
14. Hualei Shang (2020, first placement: Amazon)
15. Nan Liu* (2020, first placement: Xiamen University)

16. Wenyu Zhou (2020, first placement: Zhejiang University)

17. Maria Amado (2021, first placement: Bank of Spain)

Teaching Experience

UCLA Econ 231B:	Semi/Nonparametric Methods (Graduate)	2020 --
UCLA Econ 432:	Data Science for Financial Engineering (Master)	2020 --
UCLA Econ 147:	Financial Econometrics (Undergraduate)	2018 --
UCLA Econ 203C:	Time Series Econometrics (Graduate)	2012 -- 2019
UCLA Econ 41:	Statistics for Economists (Undergraduate)	2013 -- 2017
UCLA Econ 231C:	Semi/Nonparametric Methods (Graduate)	2013
UCLA Econ 199A:	Directed Research (Undergraduate)	2013
UCLA Fiat Lux:	Use and Misuse of Statistics (Undergraduate)	2011 -- 2012
UCLA Econ 99:	Student Research Program (Undergraduate)	2011

Seminar and Conference

2021: University of Pennsylvania, University of Wisconsin-Madison, Chinese University of Hong Kong, Singapore Management University

2019: University of California at Riverside; Southern California Winter Econometrics Day; Southern Methodist University; Singapore Management University; 2019 Asian Meeting of the Econometric Society, Zhejiang University, 2019 Shanghai Econometrics Workshop at Shanghai University of Finance and Economics; Beijing Technology and Business University

2018: California Econometrics Conference; Cornell University; Yale University; University of Chicago; Duke University; University of California at Los Angeles

2017: Indiana University; University of College London; London School of Economics; Hong Kong University of Science and Technology; Singapore Management University; Tilburg University; Erasmus University Rotterdam; University of Amsterdam; Xiamen University

2016: The Chinese University of Hong Kong; University of Southern California

2015: University of California at Riverside

2014: Washington University; University of California at Los Angeles; Harvard/MIT; Yale University; Duke University

2013: Wisconsin-Madison; North American Summer Meeting of the Econometric Society at University of Southern California; CEME Conference at Stanford University; University of Pittsburg; University of California at Davis; University of California at San Diego

2012: Boston University; North Carolina State University; University of Southern California;

University of California at Berkeley; Info Metric Conference on Nonparametrics; University of California at Riverside

2011: University of Pennsylvania; University of Connecticut; University of California at Irvine; University of California at Los Angeles; University of College London; University of Maryland; California Econometrics Conference; University of Southern California; University of California at San Diego; Info Metric Conference on Shrinkage Method at American University

2010: Econometrics Society World Congress 2010 in Shanghai

Referee Services

Annuals of Applied Statistics, Econometrica, Econometric Reviews, Econometrics Journal, Econometric Theory, Empirical Economics, Hong Kong Research Grant Council, Journal of Applied Econometrics, International Economic Review, Journal of Business & Economic Statistics, Journal of Econometrics, Journal of Statistical Planning and Inference, Journal of Political Economy, Ministry of Science and Technology of Taiwan, National Science Foundation, Quantitative Economics, Review of Economics and Statistics, Review of Economics and Studies, Social Sciences and Humanities Research Council of Canada, Statistica Sinica.

Service to the Department and University

2022 -- 2025	Undergraduate Council, UCLA
2021 --	Global Classroom Faculty Advisory Committee, UCLA
2020 --	Graduate Committee, Department of Economics, UCLA
2020	Undergraduate New Major Committee, Department of Economics, UCLA
2020 --	Math/Econ Committee, UCLA
2019 --	Graduate Fellowship Review Committee, UCLA
2011 --	Graduate Program Admission Committee, Department of Economics, UCLA
2016 --	MAE Admission Committee, Department of Economics, UCLA
2013	Graduate Student Placement Committee, Department of Economics, UCLA