Xu Cheng

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Contact Information

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Academic Appointments

2016 –	Associate Professor of Economics (with tenure), University of Pennsylvania
2013 – 2016	Janice & Julian Bers Assistant Professor in the Social Sciences, University of Pennsylvania
2010 – 2016	Assistant Professor of Economics, University of Pennsylvania
2009 – 2010	Lecturer of Economics, University of Pennsylvania
2019 Spring	Visiting Associate Professor of Economics, Yale University
2018 Fall	Visiting Associate Professor of Economics, Princeton University

Education

2010	Ph.D. in Economics, Yale University
2005	M.S. in Applied Economics, University of Wisconsin-Madison
2003	B.A. in Economics, Peking University, China

Honors, Awards, Grants

2021	Research Grant, Jacobs Levy Equity Management Center for Quantitative Financial Research, The Wharton School, University of Pennsylvania
2020	Research Opportunity Grant, School of Arts and Science, University of Pennsylvania
2013 – 2016	Janice & Julian Bers Chair in the Social Sciences, University of Pennsylvania
2012	Kravis Award for Outstanding Undergraduate Teaching, University of Pennsylvania
2011	Honorable Mention, Zellner Thesis Award, American Statistical Association
2008 – 2009	Carl Arvid Anderson Prize, Cowles Foundation for Research in Economics
2008 – 2009	Dissertation Fellowship, Yale University
2007 – 2008	Overbrook Fellowship, Yale University
2005 – 2009	University Fellowship, Yale University
2005 – 2007	IMF-Japan Scholarship, International Monetary Fund

Editorial experience

Co-Editor, *Econometric Theory*, 2021-
Associate Editor, *Journal of Econometrics*, 2019 - 2021
Associate Editor, *Journal of Business Economics and Statistics*, 2018 –
Associate Editor, *Quantitative Economics*, 2017 –
Associate Editor, *Econometric Theory*, 2016 –
Associate Editor, *Econometrics Journal*, 2016 –

Plenary Talks and Professional Services

Plenary Talk, Society of Financial Econometrics (SoFie) Annual Conference, 2021
Speaker, Mentoring Workshop for Female Economists, Asian Meeting of the Econometric Society, 2019
Invited Lecturer, University of Konstanz, 2016
Plenary Speaker, Statistical Inference in High-Dimensional Problems Workshop, University of Vienna, 2012
Co-organizer, Greater New York Metropolitan Area Econometrics Colloquium, 2011, 2019

Program Committee, Econometric Society China Meeting, 2021
Program Committee, EC2 Conference "Identification in Macroeconomics", Oxford, 2019
Scientific Committee, International Association of Applied Econometrics Conference, 2016, 2017, 2019-2021
Program Committee, North American Summer Meeting of the Econometric Society, 2016

PUBLISHED & FORTHCOMING PAPERS

"Instrumental Variable Estimation of Structural VAR Models Robust to Possible Nonstationarity"
Econometric Theory, Forthcoming (with Xu Han and Atsushi Inoue)

"Generic Results for Establishing the Asymptotic Size of Confidence Intervals and Tests"
Journal of Econometrics, 2020, 218(2), 496-531 (with Donald W. K. Andrews and Patrik Guggenberger).

"On Uniform Asymptotic Risk of Averaging GMM Estimators"
Quantitative Economics, 2019, 10(3), 931-979 (with Zhipeng Liao & Ruoyao Shi).

"Shrinkage Estimation of High-Dimensional Factor Models with Structural Instabilities"
Review of Economic Studies, 2016, 83(4), 1511-1543 (with Zhipeng Liao & Frank Schorfheide).

Comment on "In-sample Inference and Forecasting in Misspecified Factor Models" by Carrasco and Rossi
Journal of Business and Economic Statistics, 2016, 34(3), 345-347 (with Bruce E. Hansen).

"Robust Inference in Nonlinear Models with Mixed Identification Strength"
Journal of Econometrics, 2015, 189(1), 207-228.

"Forecasting with Factor-Augmented Regression: A Frequentist Model Averaging Approach"
Journal of Econometrics, 2015, 186(2), 280-293 (with Bruce E. Hansen).

"Select the Valid and Relevant Moments: An Information-Based LASSO for GMM with Many Moments"
Journal of Econometrics, 2015, 186(2), 443-464 (with Zhipeng Liao).

"GMM Estimation and Uniform Subvector Inference with Possible Identification Failure"
Econometric Theory, 2014, 30(2), 287-333 (with Donald W. K. Andrews).

"Maximum Likelihood Estimation and Uniform Inference with Sporadic Identification Failure"
Journal of Econometrics, 2013, 173(1), 36-56 (with Donald W. K. Andrews).

"Estimation and Inference with Weak, Semi-strong, and Strong Identification"
Econometrica, 2012, 80(5), 2153-2211 (with Donald W. K. Andrews).

"Cointegrating Rank Selection in Models with Time-Varying Variance"
Journal of Econometrics, 2012, 169(2), 155-165 (with Peter C. B. Phillips).

"Semiparametric Cointegrating Rank Selection"
Econometrics Journal, 2009, 12(1), 83-104 (with Peter C. B. Phillips).

WORKING PAPERS

"Macro-Finance Decoupling: Robust Evaluation of Macro Asset Pricing Models"
Revise and Resubmit, *Econometrica* (with Winston Dou and Zhipeng Liao).

"Clustering for Multi-Dimensional Heterogeneity with Application to the Production Function"
(with Frank Schorfheide and Peng Shao).

"Identification-Robust Inference for Risk Prices in Structural Stochastic Volatility Models"
(with Eric Renault and Paul Sangrey).

"High-dimensional Minimum Distance Estimation with Graphical Lasso Weighting" (with Alejandro Sanchez and Andrew Shephard).

Seminar & Conference Presentations

2021:	University of Pittsburg, University of Pompeu Fabra, Syracuse University, SH3 Econometrics Conference, Singapore Management University, Statistics 2021 Canada, Dongbei Econometrics Workshop
2020:	Harvard-MIT, University of Cambridge, UC-Riverside, Chamberlain Econometrics Seminar, Econometric Society North American Winter Meeting
2019:	Yale University, Cornell University, Simon Fraser University, Montreal Joint Econometrics Seminar, Econometric Society Asian Meeting, Econometric Society China Meeting, Tsinghua Econometrics Conference, UCL-Vanderbilt Joint Conference
2018:	Federal Reserve Bank of Boston, Princeton, Rutgers, A Celebration of Peter Phillips' Forty Years at Yale (Cowles Foundation), Greater NY Metropolitan Area Econometrics Colloquium (Princeton)
2017:	Northwestern, NYU, Pittsburgh, Rochester, Toronto, UBC
2016:	Academia Sinica, Chicago Booth, Konstanz, Maryland, NCSU, NUS, SMU; Econometrics Mini-Conference (Iowa), North American Winter Meeting of the Econometric Society, Workshop on New Approaches to the Identification of Macroeconomic Models (Oxford)
2015:	Amsterdam, Cambridge, CEMFI, CUHK, Erasmus Rotterdam, Georgetown, MSU, OSU, Oxford, Rutgers, Texas-Austin, Tilburg, UC-Irvine, UCLA, UCL, UIUC, USC, Vanderbilt, Virginia, Yale; CEME Conference on Inference in Nonstandard Problems (Cornell), Econometric Society World Congress (Montreal), International Association for Applied Econometrics Annual Conference (Macedonia), Frontiers of Theoretical Econometrics (celebration of Donald Andrews' Sixtieth Birthday, Konstanz), NY Camp Econometrics (Syracuse), Vienna Workshop on High-Dimensional Time Series in Macroeconomics and Finance (Institute for Advanced Studies)
2014:	Brown, NYU, PSU, UIUC, Yale; CEME Conference on Inference in Nonstandard Problems (Princeton), 10th Symposium on Econometric Theory and Applications (Academia Sinica), North American Winter Meeting of the Econometric Society, Tsinghua Econometrics Conference
2013:	Wisconsin-Madison, Yale; CIREQ Time Series Conference (Montreal), NBER-NSF Summer Institute, NBER-NSF Time Series Conference (Federal Reserve Board), Tsinghua Econometrics Conference, Greater NY Metropolitan Area Econometrics Colloquium (PSU)
2012:	Brown, Duke, Indiana-Bloomington, Montreal, Rice, Rutgers, TAMU; Canadian Econometric Study Group (Queens), CIREQ Time Series Conference, Junior Festival on New Developments in Microeconometrics (Northwestern), Greater NY Metropolitan Area Econometrics Colloquium
2011:	Georgetown, GWU, NYU, Stanford, UC-Berkeley, UCSD, UC-Riverside, USC, Vanderbilt
2010:	BU, Columbia, Harvard-MIT, IUPUI, Northwestern, PSU, Princeton, SNU, Montreal; CIREQ Time Series Conference, Econometric Society World Congress (SJTU), Greater NY Metropolitan Area Econometrics Colloquium (NYU). NBER-NSF Time Series Conference (Duke)
2009:	Chicago Booth, Cornell, Duke, LSE, Michigan, NYU, OSU, Oxford, UBC, UCL, UIUC, UPenn

REFEREE SERVICES

American Economic Review, Econometrica, Econometrics Journal, Econometric Theory, International Economic Review, Journal of the American Statistical Association, Journal of Applied Econometrics, Journal of Business & Economic Statistics, Journal of Econometrics, Journal of Money Credit & Banking, Journal of Monetary Economics, Oxford Bulletin of Economics & Statistics, Quantitative Economics, Review of Economics & Statistics, Review of Economic Studies, Hong Kong Research Grant Council, National Science Foundation

TEACHING EXPERIENCE

Yale Economics 551: Econometrics II	(1st Year Ph.D. Course)	2019
Princeton Econ 519: Topics in Microeconometrics	(2nd Year Ph.D. Course)	2018
Penn Economics 705: Econometrics I	(1st Year Ph.D. Course)	2011 – 2020
Penn Economics 712: Topics in Econometrics	(2nd Year Ph.D. Course)	2010, 2015 – 2021
Penn Economics 222: Microeconometrics	(Undergraduate Course)	2017
Penn Economics 104: Econometrics	(Undergraduate Course)	2009 – 2016

UNIVERSITY & DEPARTMENT SERVICES

Teaching Committee Member, Penn Department of Economics, 2019
Graduate Admissions Committee Member, Penn Department of Economics, 2010 – 2011, 2014 – 2018, 2021
Graduate Examination Committee Member, Penn Department of Economics, 2009 – 2018
Undergraduate Honors Thesis Advisor, Penn Department of Economics, 2009 – 2010, 2015 – 2018
Chair Search Committee Member, Penn Department of Economics, 2017, 2020
Associate Undergraduate Chair, Penn Department of Economics, 2011 – 2016
Diversity Search Committee Member, Penn Department of Economics, 2014