DACHENG XIU

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University of Chicago Booth School of Business
Chicago, IL 60637

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EMPLOYMENT

Booth School of Business, University of Chicago

- Professor of Econometrics and Statistics, July 2019 –
- Associate Professor of Econometrics and Statistics, 2015 – 2019
- Assistant Professor of Econometrics and Statistics, 2011 – 2015

Department of Statistics, University of Chicago

- Affiliated Faculty, November 2022 –

OTHER APPOINTMENTS

CO-EDITOR

Journal of Financial Econometrics, July 2019 - June 2023

ASSOCIATE EDITOR

Review of Financial Studies, July 2021 - present
Journal of the American Statistical Association, January 2023 - present
Review of Asset Pricing Studies, August 2022 – present
Frontiers of Mathematical Finance, January 2021 - present
Management Science, October 2019 - present
Journal of Econometrics, January 2017 – present
Econometrics Journal, January 2021 – present
Journal of Empirical Finance, February 2019 – present
Journal of Applied Econometrics, January 2020 – December 2022
Journal of Business & Economic Statistics, January 2019 - December 2021
Statistica Sinica, August 2017 - July 2020

VISITING POSITIONS

Tsinghua University, PBC School of Finance, Special Term Professor, June 2019 - May 2022
Shanghai Jiao Tong University, SAIF, Visiting Research Professor, July 2019 - June 2024
Duke University, Department of Economics, Visiting Faculty, Fall 2015

EDUCATION

Princeton University, Ph.D. Applied Mathematics, May 2011
Princeton University, M.A. Applied Mathematics, June 2008

University of Science and Technology of China, B.S. Mathematics, June 2006

PUBLICATIONS

"Non-Standard Errors," crowdsourcing project with 342 coauthors, forthcoming in the *Journal of Finance.*

"(Re-)Imag(in)ing Price Trends," with Jingwen Jiang and Bryan Kelly, forthcoming in the *Journal of Finance.*

"Factor Models, Machine Learning, and Asset Pricing," with Stefano Giglio and Bryan Kelly, forthcoming in the *Annual Review of Financial Economics*.

"When Moving-Average Models Meet High-Frequency Data: Uniform Inference on Volatility," with Rui Da, *Econometrica, Vol. 89, No. 6, (2021), 2787-2825.*

"Asset Pricing with Omitted Factors," with Stefano Giglio, *Journal of Political Economy, Vol. 129, No 7, (2021), 1947-1990. (lead article)*

- *Best Conference Paper Prize* at the 44th EFA

"Thousands of Alpha Tests," with Stefano Giglio and Yuan Liao, *Review of Financial Studies, Vol. 34, Issue 7, (2021), 3456-3496*.

"Autoencoder Asset Pricing Models," with Shihao Gu and Bryan Kelly, *Journal of Econometrics 222 (2021), 429-450*.

"Empirical Asset Pricing via Machine Learning," with Shihao Gu and Bryan Kelly, *Review of Financial Studies, Vol. 33, Issue 5, (2020), 2223-2273*.

- *2018 Swiss Finance Institute Outstanding Paper Award*
- *BlackRock Research Award at the 31th Australasian Finance and Banking Conference*
- *2018 Q-group Roger F. Murray First Prize*
- *2018 Chicago Quantitative Alliance Annual Academic Competition Second Prize*
- *2018 IQ-KAP Research Award 3. Prize*

"Taming the Factor Zoo: A Test of New Factors," with Gavin Feng and Stefano Giglio, *Journal of Finance, Vol. 75, Issue 3, (2020), 1327-1370*.

- *2018 AQR Insight Award First Prize*

"High-Frequency Factor Models and Regressions," with Yacine Aït-Sahalia and Ilze Kalnina, *Journal of Econometrics 216 (2020), 86-105*.

"A Hausman Test for the Presence of Market Microstructure Noise in High Frequency Data," with Yacine Aït-Sahalia, *Journal of Econometrics 211 (2019), 176-205.*

"Knowing Factors or Factor Loadings, or Neither? Evaluating Estimators of Large Covariance Matrices with Noisy and Asynchronous Data," with Chaoxing Dai and Kun Lu, *Journal of Econometrics 208 (2019), 43-79.*

"Efficient Estimation of Integrated Volatility Functionals via Multiscale Jackknife," with Jia Li and Yunxiao Liu, *Annals of Statistics, Vol. 47, No. 1 (2019), 156-176*.

"Principal Component Analysis of High Frequency Data," with Yacine Aït-Sahalia, *Journal of the American Statistical Association Vol. 114, No. 525, (2019), 287-303.*

"Resolution of Policy Uncertainty and Sudden Declines in Volatility," with Dante Amengual, *Journal of Econometrics 203 (2018), 297-315.*

"Using Principal Component Analysis to Estimate a High Dimensional Factor Model with High Frequency Data," with Yacine Aït-Sahalia, *Journal of Econometrics 201 (2017), 384-399.*

"Econometric Analysis of Multivariate Realized QML: Estimation of the Covariation of Equity Prices under Asynchronous Trading," with Neil Shephard, *Journal of Econometrics 201 (2017), 19-42.*

"Nonparametric Estimation of the Leverage Effect: A Trade-off between Robustness and Efficiency," with Ilze Kalnina, *Journal of the American Statistical Association Vol. 112, No. 517, (2017), 384-396.*

"Generalized Method of Integrated Moments with High Frequency Data," with Jia Li, *Econometrica, Vol. 84, No. 4, (2016), 1613-1633*.

"Increased Correlation Among Asset Classes: Are Volatility or Jumps to Blame, or Both?" with Yacine Aït-Sahalia, *Journal of Econometrics 194 (2016) 205-219.*

"Incorporating Global Industrial Classification Standard into Portfolio Allocation: A Simple Factor-Based Large Covariance Matrix Estimator with High Frequency Data," with Jianqing Fan and Alex Furger, *Journal of Business & Economic Statistics, Vol. 34, No. 4, (2016), 489-503. Big Data Special Issue.*

"A Tale of Two Option Markets: Pricing Kernels and Volatility Risk," with Zhaogang Song, *Journal of Econometrics 190 (2016), 176-196*.

- *Dennis J. Aigner Honorable Mention* for the best paper in empirical econometrics published by the Journal of Econometrics in 2015 or 2016
- *Best Paper Award in Derivatives* at the International Symposium on Risk Management and Derivatives in 2012

"Hermite Polynomial based Expansion of European Option Prices," *Journal of Econometrics 179 (2014), 158-177.*

"Quasi-Maximum Likelihood Estimation of GARCH Models with Heavy-Tailed Likelihoods," with Jianqing Fan and Lei Qi, *Journal of Business & Economic Statistics, Vol. 32, No. 2, (2014), 178-191. Invited Paper with Discussion.*

"High Frequency Covariance Estimates with Noisy and Asynchronous Financial Data," with Yacine Aït-Sahalia and Jianqing Fan, *Journal of the American Statistical Association, Vol. 105, No. 492, (2010), 1504-1517.*

"Quasi-Maximum Likelihood Estimation of Volatility with High Frequency Data," *Journal of Econometrics 159 (2010), 235-250.*

WORKING PAPERS

"Predicting Returns with Text Data," with Tracy Ke and Bryan Kelly.

- *2019 CICF Best Paper Award*

"Business News and Business Cycles," with Leland Bybee, Bryan Kelly, and Asaf Manela. Revision Requested by the *Journal of Finance.*

"Continuous-Time Fama-MacBeth Regressions," with Yacine Aït-Sahalia and Jean Jacod.

"Test Assets and Weak Factors," with Stefano Giglio and Dake Zhang. Revision Requested by the *Journal of Finance.*

"Disentangling Autocorrelated Intraday Returns," with Rui Da. Revision Requested by the *Journal of Econometrics.*

"Prediction when Factors are Weak," with Stefano Giglio and Dake Zhang.

"The Statistical Limit of Arbitrage," with Rui Da and Stefan Nagel.

"Expected Returns and Large Language Models," with Jingwen Jiang and Bryan Kelly.

COMMENTS & BOOK CHAPTERS

"Comment on: Limit of Random Measures Associated with the Increments of a Brownian Semimartingale," with Jia Li, *Journal of Financial Econometrics, 16(4), 2018, 570-582*.

"Likelihood-Based Volatility Estimators in the Presence of Market Microstructure Noise: A Review," with Yacine Aït-Sahalia, *Handbook of Volatility Models and their Applications, 2012, 347-361.*

SELECTED HONORS & AWARDS

Best Associate Editor Award, Journal of Econometrics, 2020
Fellow of the Society for Financial Econometrics, 2019
Best Paper Award, China International Conference in Finance, 2019
Swiss Finance Institute Outstanding Paper Award, 2018
AQR Insight Award First Prize, 2018
BlackRock Research Award, the 31st Australasian Finance and Banking Conference, 2018
Charles E. Merrill Faculty Scholar, Chicago Booth, 2017-2018
Fellow of the Journal of Econometrics, 2017
Best Conference Paper Prize, the 44th Annual Meeting of the European Finance Association, 2017
Dennis J. Aigner Award (honorable mention), Journal of Econometrics, 2017
Microsoft Azure Research Award, 2016-2017
IBM Corporation Faculty Scholar, Chicago Booth, 2015-2016, 2016-2017
FMC Faculty Scholar, Chicago Booth, 2012-2013
Research Fund from Fama-Miller Center for Research in Finance, Chicago Booth, 2011-2021
Laha Award, the Institute of Mathematical Statistics, 2010
C.V. STARR Fellowship and Prize Scholarship, Princeton University, 2006-2007
Guo Moruo Scholarship (*Summa Cum Laude*), University of Science and Technology of China, 2005

PROFESSIONAL SERVICE

REFEREE

Economics: Econometrica, Journal of Political Economy, Review of Economic Studies, Journal of Econometrics, Journal of Business & Economic Statistics, Econometric Theory, Quantitative Economics, Journal of Applied Econometrics, the Econometrics Journal, Journal of Financial Econometrics, Econometric Reviews, Economics Letters, American Economic Review: Insights, Journal of Economic Dynamics and Control
Finance: Journal of Finance, Review of Financial Studies, Journal of Financial Economics, Annual Review of Financial Economics, Review of Finance, Management Science, Journal of Financial and Quantitative Analysis, Review of Asset Pricing Studies, Journal of Empirical Finance, European Journal of Finance, Journal of Banking and Finance
Statistics: Journal of the American Statistical Association, Annals of Statistics, Journal of the Royal Statistical Society B, Biometrika, Scandinavian Journal of Statistics, Statistical Sinica, Computational Statistics & Data Analysis, Journal of Forecasting, Journal of Time Series Analysis
Quantitative Finance: Mathematical Finance, Finance and Stochastic, Journal of Computational Finance, SIAM Journal of Financial Mathematics, Quantitative Finance
Others: Proceedings of the National Academy of Sciences, Journal of Accounting Research, US National Science Foundation, Swiss National Science Foundation, Netherlands Organization for Scientific Research Grant, Independent Research Fund Denmark, Research Grants Council of Hong Kong, National Natural Science Foundation of China

PHD DISSERTATION COMMITTEE

Yongning Wang (Morgan Stanley), Yoann Potiron (Keio University), Gavin Feng (Co-Chair, City University of Hong Kong), Likai Chen (Washington University in St. Louis), Jianeng Xu (Chicago Trading Company), David Finer (Capital Technology Solutions), Shihao Gu (Chair, Ubiquant

Investment), Jingwen Jiang (Chair, Aquatic Capital Management), Rui Da (Co-Chair, Indiana University Kelley School of Business)

MASTER STUDENTS ADVISED

Zilai Si (Northwestern, Engineering PhD), Yufan Zhang (Rochester, Finance PhD), Zhenghao Jiang (Purdue, Statistics PhD), Dian Jiao (Columbia Business School, Accounting PhD), Luyang Zhang (USC, Marshall DSO PhD), Tian Chen (Northwestern Kellogg, Accounting PhD), Hao Duan (UCLA, Statistics PhD), Ming Gao (Chicago Booth PhD), James Leiner (Carnegie Mellon, Statistics PhD), Rick Presman (Duke, Statistics PhD), Mingwei Ma (Chicago Booth PhD), Chen Chen (UIUC, Finance PhD), Xinyu Liu (INSEAD, Finance PhD), Mingye Yin (OSU, Finance PhD), Dake Zhang (Chicago Booth PhD), Kangying Zhou (Yale, Finance PhD), Ziyu Song (Boston U, Finance PhD), Yi Zhang (Imperial College London, Finance PhD), Muzhe Zeng (Wisconsin, Statistics PhD), Kun Lu (Princeton, ORFE PhD), Hongyuan Mei (JHU, CS PhD), Lina Han (WUSTL, Finance PhD), Chaoxing Dai (Chicago Booth PhD), Yuan Wan (USC, Marshall Finance PhD), Wenxi Li (Chicago Booth PhD), Wenjing He (UCLA, Finance PhD), Nicolas Park (Citadel), Jessica Wang (ICBC Credit Suisse), Haoyuan Zou (eBay), Ying Zhao (Microsoft), Cheng Gao (Facebook), Yuwen Tan (Facebook), Shijie Li (S&P Capital IQ), Hetong Di (Belvedere Trading), Ningxin Wang (Merrill Lynch), Yu Gu (Bloomberg), Tianxin Xiao (Chicago Trading Company), Zhao Wang (Citadel)

UNDERGRADUATE STUDENTS ADVISED

Arnav Prasad (Citadel), Mingyu Liu (Chicago Statistics MA), Rongfei Jiao (Columbia Business School MSFE), Hao Zhu (Chicago Statistics MA), Jianye Hua (Columbia Business School MSFE)

TEACHING EXPERIENCE

University of Chicago Booth School of Business

- 41100 Applied Regression Analysis (MBA)
  Winter 2011-2013, 2015-2021, Fall 2014
- 41902 Statistics Inference (PhD)
  Winter 2015-2023
- 20800 Big Data (Undergraduate)
  Spring 2022
- 41813 Decoding FinTech (EMBA/MBA)
  Summer 2022, Winter 2023

SoFiE Financial Econometrics Summer School

- Machine Learning and Finance: the New Empirical Asset Pricing (with Bryan Kelly)
  July 23-27, 2018, University of Chicago
- Machine Learning and Finance (with Jianqing Fan)
  August 2-6, 2021, New York University, Shanghai

Duke University

- Econ 883.1 Options, Futures, and Other Derivatives (Master/PhD)
  Fall 2015

Swiss Finance Institute

- Machine Learning and Asset Pricing
  October - November 2020

PRESENTATIONS

2023 IAAE Invited Session at ASSA (Jan 6-8), AFA North American Meetings (Jan 6-8), Central University of Finance and Economics (Feb 12), Southern University of Science and Technology (Feb 21), University of Melbourne (Mar 10), Tsinghua University (Mar 29), 5th Annual NLP and Machine Learning in Investment Management Conference (Apr 12), NBER Asset Pricing (Apr 14), Peking University (Apr 19), Louisiana State University (Apr 28), Kansas Econometrics Workshop (May 5), Conference for FinTech AI and Big Data in Business (Keynote, June 2-3), Copenhagen Business School (June 9-10), 8th Young Econometricians in Asia-Pacific annual meeting (Keynote, Jun 10-11), SoFiE Annual Conference (Jun 16-18), Conference on NLP for Social Data Science 2023 (Jun 28-29), Risk Day at ETH (Sep 15), ETH Zurich (Sep 19), Georgetown University (Sep 22), Iowa State University (Sep 29), Macquarie University (Oct 10), Australia National University (Oct 13), Fifth International Workshop in Financial Econometrics (Oct 21-24), Federal Reserve Board (Dec 14)

2022 Global AI Finance Conference in Singapore (Keynote), Inaugural Digital Finance Conference in Seoul (Keynote), Princeton University, Columbia University, Yale SOM, NYU Courant, Swiss Finance Institute at EPFL, Oxford-Man Institute, Baruch College, PKU HSBC Business School, Tsinghua University SEM, Cheung Kong Graduate School of Business, Shanghai University of Finance and Economics, Indiana University, Sao Paulo School of Economics, Nankai University, Chow Institute at Xiamen University, Stockholm University, Lund University, Gothenburg University, Zhejiang Gongshang University, National University of Singapore, University of Ottawa, University of International Business and Economics, University of Science and Technology of China, University of Cincinnati, University of Glasgow, IAAE Invited Session at ASSA, AFA North American Meetings, Western Finance Association Annual Meetings (WFA), The 2nd Conference on FinTech, Innovation, and Development, Fudan-Stanford FARM Institute, Big Data and Machine Learning in Econometrics, Finance, and Statistics, China International Conference in Finance (CICF), International Conference on Econometrics, Asian Meeting of the Econometrics Society, Conference on Market Microstructure, Quantitative Trading, High Frequency and Large Data, ML Approaches Finance and Management Workshop, MIT AI & Quant Conference, Citi

2021 Financial Risks International Forum in Paris (Keynote), University of Oxford, Humboldt University of Berlin, Rutgers Business School, IDC Herzliya, University of Rochester, Chinese University of Hong Kong (Economics, Finance), Federal Reserve Board, ITAM Business School, London Business School, Stony Brook University, Hong Kong University of Science and Technology, Monash University, Nanjing Audit University, Australian National University, Renmin University x 2, University of Iowa, CUHK Shenzhen, University of Pompeu Fabra, Hong Kong University, University of Houston, Capital University of Economics and Business, AFA North American Meetings, NBER Asset Pricing, Virtual Workshop on Financial Econometrics, SoFiE Conference, IMSI Workshop on Machine Learning and Finance, China International Conference in Finance (CICF), 14th Annual Risk Management Conference at

NUS, Transdisciplinary Econometrics & Data Science Seminar, FMA-CBOE Conference on Derivatives and Volatility, Future of Financial Information Webinar

2020 Joint Statistical Meetings (Invited Session), Singapore Management University, East China Normal University, Boston University Questrom School of Business, PBC School of Finance, Sun Yat-sen University, University of Nottingham, WUSTL Olin Business School, University of Science and Technology of China, SoFiE Virtual Seminar, European Finance Association 47th Annual Meetings (EFA), Econometric Research in Finance Workshop 2020, Society of Quantitative Analysis, BlackRock, Fidelity, Wolfe Virtual Quantitative and Macro Investment Conference, Citadel, AllianceBernstein, INQUIRE Europe

2019 Canadian Econometrics Study Group meeting (Plenary), SFI Research Days (Keynote), SoFiE Annual Meeting in Shanghai (Invited), 3rd Chinese Econometricians Forum (Keynote), Conference on Financial Econometrics and New Finance in Hangzhou (Keynote), SAIF International Conference on FinTech (Keynote), Northwestern University (Kellogg), University of Zurich, Hong Kong University of Science and Technology, Ohio State University, New York University (Stern), University of Pennsylvania, University of Southern California, Cheung Kong Graduate School of Business, AFA North American Meetings, GSU/RFS FinTech Conference, NBER Conference on Big Data: Long-Term Implications for Financial Markets and Firms, Risk Management and Financial Innovation Conference, 8th Annual Econometrics Workshop on Applied Econometrics and Data Science, USC Conference on Panel Data Forecasting, Market Microstructure and High Frequency Data Conference, SIAM Conference on Financial Mathematics & Engineering, Econometric Society Asian Meeting, JHU Carey Finance Conference, FinTech Symposium in Guanghua School of Management, China International Conference in Finance (CICF), NBER-NSF Time Series Conference at CUHK, European Finance Association 46th Annual Meetings (EFA), NUS Workshop on Asset Pricing and Risk Management, Big Data & Machine Learning in Economics, Finance, and Statistics, Chicago Booth Asset Pricing Conference, AI Innovations Forum, China Fintech Research Conference, Statistics Workshop at Peking University, AQR, Two Sigma, T. Rowe Price, Duxiaoman Financial, XY Investments LLC, Nine Martingale, Goldman Sachs Alternative Risk Premia Roundtables Forum, State of Wisconsin Investment Board

2018 Tilburg University, Erasmus University Rotterdam, Tinbergen Institute, Imperial College Business School, Aarhus University, Duke University, Federal Reserve Bank of Dallas, National University of Singapore, Singapore Management University, Indiana University, Rutgers, University of Cambridge, Tsinghua PBC School of Finance, City University of Hong Kong, University of International Business and Economics, Nanjing University, U.S. Securities and Exchange Commission, Financial Econometrics Conference at Toulouse School of Economics, Mind Bytes Symposium at the University of Chicago, New Aspects of Statistics, Financial Econometrics, and Data Science, Economics and Financial Econometrics in the Era of Big Data, Financial Engineering and Risk Management International Symposium (FERM), Conference on Financial Predictability and Data Science, Western Finance Association Annual Meetings (WFA), ICSA China Conference on Data Science, China International Conference in Finance (CICF), Interdisciplinary Conference on Big Data and China at Shenzhen Finance Institute, European Finance Association 45st Annual Meetings (EFA), New Methods for the Cross Section of Returns Conference, Big Data, Machine Learning and AI in Economics, Magnetar Capital Quantitative Research, Chicago Quantitative Alliance Fall 2018 Conference, 2nd Annual Global Quantitative and Macro Investing Conference in NYC, INQUIRE UK Conference in London

2017 Stanford University, Liverpool School of Management, Cass Business School at City, University of London, University College London, Durham Business School, Imperial College London, Nankai University, Fudan University, Renmin University of China, Peking University, Tsinghua University, Nanjing Audit University, Worcester Polytechnic Institute, Princeton-QUT-SJTU-SMU Econometrics Conference, Vienna-Copenhagen Conference on Financial Econometrics, HEC-McGill Winter Finance Workshop, Market Microstructure and High Frequency Data Conference, Asian Meeting of the Econometric Society, China Finance Review International Conference, 13th International Symposium on Econometric Theory and Applications, 1st International Conference on Econometrics and Statistics at HKUST, SoFiE Annual Meeting at NYU, INFORMS Applied Probability Society Conference, China International Conference in Finance, Joint Statistical Meetings (IMS Invited Session), University of Oregon Finance Conference, European Finance Association 44st Annual Meetings (EFA), Conference on Financial Predictability and Data Science, Annual INFORMS Meeting in Houston, New Developments in Econometrics and Time Series, Tsinghua Workshop on Big Data and Internet Economics, Fannie Mae

2016 University of Wisconsin-Madison (Statistics), Hong Kong University of Science and Technology, Xiamen University, University of Wisconsin-Madison (Economics), 2016 SIAM Conference on Financial Mathematics & Engineering, CEME Young Econometricians Workshop at Duke University, 5th Workshop on Algorithms for Modern Massive Data Sets at Berkeley, Carey/AQR Conference on Derivatives, The 2nd Conference on Financial Econometrics and Risk Management at the University of Western Ontario, Princeton-QUT-SJTU-SMU econometrics conference

2015 Toulouse School of Economics, Duke University, CEMFI Spain, Annual INFORMS Meeting in Philadelphia, NBER/NSF Time Series Conference at Vienna University, Econometrics of High-Dimensional Risk Networks Conference in Chicago, Econometric Society World Congress 2015 in Montreal, CEME Young Econometricians Workshop at Cornell University, 8th Annual SoFiE Conference at Aarhus University, IMS China in Kunming, Financial Econometrics Conference in Toulouse, Market Microstructure and High Frequency Data Conference in Chicago, MFA Annual Meeting in Chicago, AMS Spring Meeting on High-Frequency Problems at Michigan State University, North American Winter Meetings of the Econometric Society in Boston (AEA), Two Sigma

2014 Harvard/MIT Joint Econometrics Seminar, Princeton University, Purdue University, Boston University, University of Illinois at Chicago, Stevanovich Center at the University of Chicago, McGill Risk Management Conference, SoFiE Annual Meeting in Toronto, Financial Engineering and Risk Management International Symposium (FERM), 8th World Congress of the Bachelier Finance Society, Western Finance Association Annual Meetings (WFA), 10th International Symposium on Econometric Theory and Applications (SETA), 2014 China International Conference in Finance (CICF), European Finance Association 41st Annual Meetings (EFA), SIAM Conference on Financial Mathematics & Engineering (FM14)

2013 Northwestern University, Duke University, Brown University, Indiana University, University of Illinois at Chicago, Joint Statistical Meetings (JBES Invited Lecture), Financial Econometrics Conference at Toulouse School of Economics, High Frequency Data and High Frequency

Trading Conference at University of Chicago, SoFiE Annual Meeting in Singapore, ES Asia Meeting at Singapore, 5th Annual Modeling High Frequency Data in Finance Conference

2012 University of Chicago, University of Montreal, CEMFI Spain, Liverpool School of Management, SoFiE Annual Meeting at Oxford, Financial Econometrics Conference at Toulouse School of Economics, Financial Engineering and Risk Management International Symposium (FERM), 2012 China International Conference in Finance (CICF)

2011 Northwestern University, Princeton University, Duke University, University of Chicago, Cornell, Imperial College London, Federal Reserve Bank of New York, University of Hong Kong, University of Southern California, Rutgers, Frontiers in Financial Econometrics Workshop at Queensland University of Technology, 17th International Conference on Computing in Economics and Finance at Federal Bank of San Francisco, UBS, Barclays Capital, Cornerstone Research

2010 Princeton University, Econometrics Society World Congress, IMS Annual Meeting, Joint Statistical Meetings (Invited Session), Workshop on Financial Econometrics at Fields Institute

2009 University of Chicago, The 2nd Princeton-Humboldt Finance Workshop, Joint Statistical Meetings, 1st Annual Modeling High Frequency Data in Finance Conference

DISCUSSIONS

2023 "Three Common Factors" at AFA North American Meetings
"Missing Financial Data" at NBER Asset Pricing Meeting

2021 "Bayesian Solutions for the Factor Zoo: We Just Ran Two Quadrillion Models" at NBER Asset Pricing Meeting.
"AlphaPortfolio for Investment and Economically Interpretable AI" at AFA North American Meetings
"Portfolio Choice with Subset Combination of Characteristics" at Renmin University 2nd International FinTech Conference
"Realized Volatility Forecasting: Machine Learning via Financial Word Embedding" at FMA Conference on Derivatives and Volatility
"Most Claimed Statistical Findings in Cross-sectional Return Predictability are Likely True" at Future of Financial Information Webinar

2020 "Risk Factors that Matter: Textural Analysis of Risk Disclosures for the Cross-Section of Returns" at EFA 47th Annual Meetings
"Life Cycle Cash Flows of Ventures" at Econometric Research in Finance Workshop 2020

2019 "Forest through the Trees: Building Cross-Sections of Stock Returns" at Chicago Booth Asset Pricing Conference
"Macroeconomic Risk, Expected Market Return, and the Cross-Section of Stock Returns: A Data-mining Perspective" at the China International Conference in Finance

2018 "The Cross-Section of Risk and Return" at EFA 45th Annual Meetings
"Assessing the Role of Long-run and Valuation Risks in Explaining Nominal Bond Yields" at China International Conference in Finance
"Shale Revolution and Shifting Crude Dynamics" at China International Forum on Finance and Policy

2017 "Nonparametric Option-Implied Volatility" at FMA Conference on Derivatives and Volatility
"Correlated High-Frequency Trading" at AFA North American Meetings

“Unified Inference for Nonlinear Factor Models from Panels with Fixed and Large Time Span” at MFA Annual Meeting in Chicago

2016 “Limit Theorems for Integrated Local Empirical Characteristic Exponents from Noisy High-Frequency Data with Application to Volatility and Jump Activity Estimation” at New Developments in Measuring & Forecasting Financial Volatility Conference at Duke/UNC

“How Crashes Develop: Intradaily Volatility and Crash Evolution” at FMA Conference on Derivatives and Volatility

2015 “Jump Regressions” at Financial Econometrics Conference at Toulouse School of Economics

2014 “A Spanning Series Approach to Options” at McGill Risk Management Conference

“Positional Portfolio Management” at EFA 41st Annual Meetings

“Free (Almost) Variance Insurance” at China International Conference in Finance

2013 “Simple Approximation Maximum Likelihood Estimation of Multivariate Jump-Diffusion Models” at Financial Econometrics Conference at Toulouse School of Economics

2012 “Jump Robust Two-Time Scale Covariance Estimation and Realized Volatility Budgets” at AFA North American Meetings

2011 “Asymptotic Theory of Maximum Likelihood Estimator for Diffusion Model”, “Density Approximations for Multivariate Affine Jump-Diffusion Processes”, and “An Investigation of Self-Exciting Market Processes using Option Prices” at 58th ISI World Statistics Congress

2010 “Quadratic Variation by Markov Chains” at ES North American Meetings