10/2026

# WINSTON WEI DOU


The Wharton School, University of Pennsylvania
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| **ACADEMIC POSITIONS** | The Wharton School, University of Pennsylvania | Associate Professor of Finance (with tenure) | 2025-present |
| | | Assistant Professor of Finance | 2017-2025 |
| | | Lecturer | 2016-2017 |
| | | The Golub Faculty Scholar | 2023-2025 |
| | Wharton AI in Finance Lab, University of Pennsylvania | Director | 2026-present |
| **AFFLIATION** | National Bureau of Economic Research (NBER) | Research Associate | 2025-present |
| | | Faculty Research Fellow | 2022-2025 |
| | Wharton AI & Analytics Initiative (WAIAI) | Faculty Director of Affiliated Labs | 2026-present |
| | | Affiliated Faculty | 2022-present |
| | Asian Bureau of Finance and Economic Research (ABFER) | Fellow | 2025-present |
| | Perry World House | Faculty Affiliate | 2026-present |
| **VISITING POSITIONS** | The Booth School of Business, University of Chicago | Fama-Miller Visiting Faculty | Winter 2023 |
| **EDUCATION** | MIT | Ph.D. in Financial Economics | 2017 |
| | Yale University | Ph.D. in Statistics | 2010 |
| | Peking University | B.S. in Mathematics (Pure Math) | 2005 |
| | | B.S. in Economics | |

**PRIMARY FIELDS** Asset Pricing, Capital Markets, Macro Finance, Industrial Organization, Financial Institutions, Artificial Intelligence, Machine Learning, and Econometrics

**PUBLISHED & FORTHCOMING PAPERS**

1. Estimation in Functional Regression for General Exponential Families
   Winston Wei Dou, David Pollard, and Harrison H. Zhou
   ***Annals of Statistics***, 2012, Vol. 40, No. 5, 2421-2451

2. Ensemble Subsampling for Imbalanced Multivariate Two-Sample Tests
   Lisha Chen, Winston Wei Dou, and Zhihua Qiao
   ***Journal of the American Statistical Association***, 2013, Vol. 108(504), 1308-1323

3. Inalienable Customer Capital, Corporate Liquidity, and Stock Returns
   Winston Wei Dou, Yan Ji, David Reibstein, and Wei Wu
   ***Journal of Finance***, 2021, Vol. 76, No. 1, 211-265

4. Macroeconomic Models for Monetary Policies: A Critical Review from a Finance Perspective
Winston Wei Dou, Andrew W. Lo, Ameya Muley, and Harald Uhlig
***Annual Review of Financial Economics***, 2020, Vol. 12, No. 1, 95-140

5. External Financing and Customer Capital: A Financial Theory of Markups
Winston Wei Dou and Yan Ji
***Management Science,*** 2021, Vol. 67, No. 9, 5569-5585

6. Competition, Profitability, and Discount Rates
Winston Wei Dou, Yan Ji, and Wei Wu
***Journal of Financial Economics***, 2021, Vol. 140, Issue 2, 582-620

7. Dissecting Bankruptcy Frictions
Winston Wei Dou, Luke Taylor, Wei Wang, and Wenyu Wang
***Journal of Financial Economics***, 2021, Vol. 142, Issue 3, 975-1000
**[Editor's Choice]**

8. Measuring "Dark Matter" in Asset Pricing Models
Hui Chen, Winston Wei Dou, and Leonid Kogan
***Journal of Finance***, 2024, Vol. 79, No. 2, 843-902

9. Macro-Finance Decoupling: Robust Evaluations of Macro Asset Pricing Models
Xu Cheng, Winston Wei Dou, and Zhipeng Liao
***Econometrica*****,** 2022, Vol. 90, No. 2, 685-713

10. The Oligopoly Lucas Tree
Winston Wei Dou, Yan Ji, and Wei Wu
***Review of Financial Studies*****,** 2022, Vol. 35, Issue 8, 3867-3921

11. Macro-Finance Models with Nonlinear Dynamics
Winston Wei Dou, Xiang Fang, Andrew W. Lo, and Harald Uhlig
***Annual Review of Financial Economics***, 2023, Vol. 15, No. 1, 407-432

12. Common Fund Flows: Flow Hedging and Factor Pricing
Winston Wei Dou, Leonid Kogan, and Wei Wu
***Journal of Finance*****, Forthcoming**, January 2024

13. Feedback and Contagion Through Distressed Competition
Hui Chen, Winston Wei Dou, Hongye Guo, and Yan Ji
***Journal of Finance***, **Forthcoming**, January 2024

**WORKING PAPERS**

14. Fund Flows and Income Risk of Fund Managers
Xiao Cen, Winston Wei Dou, Leonid Kogan, and Wei Wu
***Review of Financial Studies,*** **Revise and Resubmit**, July 2026

15. Market Competition and Shock Propagation: Implications for Margins and Distress
Winston Wei Dou, Shane Johnson, and Wei Wu

May 2025

16. Misallocation and Asset Prices
Winston Wei Dou, Yan Ji, Di Tian, and Pengfei Wang
***Review of Economic Studies,* Revise and Resubmit**, May 2025

17. The Cost of Intermediary Market Power for Distressed Borrowers
Winston Wei Dou, Wei Wang, and Wenyu Wang
June 2026

18. AI-Powered Trading, Algorithmic Collusion, and Price Efficiency
Winston Wei Dou, Itay Goldstein, and Yan Ji
***American Economic Review,* Revise and Resubmit**, July 2025

19. Competition Network and Predictable Industry Returns
Winston Wei Dou and Wei Wu
June 2025

20. Industry Distress Anomaly
Hui Chen, Winston Wei Dou, Hongye Guo, and Yan Ji
***Journal of Financial Economics,* Revise and Resubmit**, July 2026

21. Embrace or Fear Uncertainty: Growth Options, Limited Risk Sharing, and Asset Prices
Winston Wei Dou
March 2017

22. The Volatility of International Capital Flows and Foreign Assets
Winston Wei Dou and Adrien Verdelhan
September 2017

23. Financial Market Fragility in the Era of AI Planning
Winston Wei Dou, Itay Goldstein, and Yan Ji
July 2026

24. The Limits of AI Trading
Winston Wei Dou, Itay Goldstein, Zigang Li, and Liyan Yang
July 2026

25. Ideological Customer Capital: Measurement and Asset Pricing Implications
Winston Wei Dou, Yan Ji, David Reibstein, and Di Tian
July 2026

**INDUSTRIAL EXPERIENCE** Goldman Sachs, J.P. Morgan, Point72

**HONORS & AWARDS**

2026 Wharton Dean's Research Fund Award
"AI & Machine Learning for Finance"

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| 2026 | Best Paper Award, Asian Finance Association<br>"Financial Market Fragility in the Era of AI Planning" |
| 2025 | Jacobs Levy Center Research Award |
| 2025 | Wharton Dean's Research Fund Award<br>"Product and Competition" |
| 2025 | Marshall Blume Prize, Rodney L White Center for Financial Research<br>"AI-Powered Trading, Algorithmic Collusion, and Price Efficiency" |
| 2023-24 | Wharton Teaching Excellence Award at University of Pennsylvania |
| 2024-25 | Golub Faculty Scholar Award at the Wharton School |
| 2024 | Best Discussant Award, LBS Summer Finance Symposium |
| 2024 | Best Paper Award, ABFER-JFDS Conference on AI and FinTech<br>"AI-Powered Trading, Algorithmic Collusion, and Price Efficiency" |
| 2024 | Jacob Gold & Associates Best Paper Prize, ASU Sonoran Winter Conference<br>"AI-Powered Trading, Algorithmic Collusion, and Price Efficiency" |
| 2024 | IRF Best Paper Award, Asian Finance Association<br>"AI-Powered Trading, Algorithmic Collusion, and Price Efficiency" |
| 2024 | Wharton Dean's Research Fund Award<br>"Examining the Organizational and Compensation Structure of Fund Firms" |
| 2024 | Best Paper Award, China FinTech Research Conference<br>"AI-Powered Trading, Algorithmic Collusion, and Price Efficiency" |
| 2023 | Best Paper Award, Melbourne Asset Pricing Meeting<br>"AI-Powered Trading, Algorithmic Collusion, and Price Efficiency" |
| 2023-24 | Golub Faculty Scholar Award at the Wharton School |
| 2022 | Richard A. Crowell Memorial Prize, Second Prize, PanAgora Asset Management<br>"Competition Network and Predictable Industry Returns" |
| 2021 | CFA Institute Asia-Pacific Research Exchange Award (NZFM)<br>"Evidence on the Importance of Market Competition in Distress Propagation" |
| 2021 | Jacobs Levy Center Outstanding Research Paper Prize<br>"Dissecting Bankruptcy Frictions" |
| 2021 | PwC Finance Forum Best Paper Award<br>"Inalienable Customer Capital, Corporate Liquidity, and Stock Returns" |
| 2021 | Wharton Dean's Research Fund Award<br>"Mutual Funds, Competition, Innovation, and Asset Prices" |
| 2021 | Semi-finalist of FMA Conference Best Paper Award |
| 2020 | Best Paper Award on Asset Pricing, Northern Finance Association<br>"Asset Pricing with Misallocation" |
| 2020 | AAII Award for the Best Paper on Investments, Midwest Finance Association<br>"The Oligopoly Lucas Tree" |
| 2020 | NASDAQ Award for the Best Paper on Asset Pricing, Western Finance Association<br>"Common Fund Flows: Flow Hedging and Factor Pricing" |
| 2019 | Best Paper Award, China International Conference in Macroeconomics (CICM)<br>"Competition, Profitability, and Discount Rates" |

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| 2017-18 | Wharton Teaching Excellence Award at University of Pennsylvania |
| 2017 | Marshall Blume Prize, Rodney L White Center for Financial Research<br>"Inalienable Customer Capital, Corporate Liquidity, and Stock Returns" |
| 2016 | MFM Dissertation Award, Becker Friedman Institute for Economics at UChicago<br>"Embrace or Fear Uncertainty: Growth Options, Limited Risk Sharing, Asset Prices" |
| 2013 | Best Paper Award, Red Rock Finance Conference<br>"Measuring 'Dark Matter' in Asset Pricing Models" |
| 2013 | Finance Group Award, Department of Financial Economics at MIT |
| 2012-16 | Student Fellow of the MFM Group at the Becker Friedman Institute for Economics |
| 2012-14 | MIT Sarofim Fellowship |
| 2009 | I. R. Savage Award in Nonparametric Statistics, American Statistical Association<br>"Functional Regressions for General Exponential Families" |
| 2009-10 | Vardis and Opal Fisher Fellowship, Yale University |
| 2009-10 | Yale University Dissertation Fellowship |
| 2003-04 | Wu-Si Fellowship, a Highest Academic Honor at Peking University |
| 2003-04 | Three-Excellence (Best Student) Award, Peking University |
| 2001 | Outstanding Freshman Fellowship, Peking University |
| 2001 | The First Prize (Provincial #1) in the 16th Chinese Mathematical Olympiad |

**EDITORIAL SERVICES**

***Review of Finance:*** Associate Editor (January 2022 – present)
***Review of Asset Pricing Studies:*** Associate Editor (July 2025 – present)
***Journal of Corporate Finance:*** Associate Editor (December 2022 – present)
***Journal of Economic Dynamics and Control:*** Associate Editor (July 2023 – present)

**PROFESSIONAL ACTIVITIES**

**Referee for Academic Journals:** *Journal of Finance, Review of Financial Studies, Journal of Financial Economics, Econometrica, Journal of Political Economy, Review of Economic Studies, Annals of Statistics, Journal of Econometrics, Management Science, Review of Finance, Review of Economics and Statistics, Journal of European Economic Association, Journal of Economic Theory, Review of Asset Pricing Studies, Journal of Monetary Economics, Operations Research, Bernoulli, Journal of Banking and Finance, Annual Review of Financial Economics, Journal of Economic Dynamics and Control, International Economic Review, Journal of Financial and Quantitative Analysis*

**Referee for Research Grants:**
*Insight Grants at Social Sciences and Humanities Research Council of Canada,*
*Hong Kong RGC RIF Grant*

**University Service:**
Wharton Faculty Fellow, 2026/27
Member of the MBA Executive Committee at The Wharton School, 2025/26, 2026/27
Faculty Panel, Annual IDDEAS@Wharton Meeting of Wharton PhD Program, 2023
Member of Faculty IT Steering Committee at The Wharton School, 2020, 2021
Faculty Panel, Wharton PhD Orientation, 2019

Co-Chair, Junior Faculty Recruiting Committee at The Wharton School, 2024/25, 2025/26
Junior Faculty Recruiting Committee at The Wharton School, 2017/18, 2022/23-present
Doctoral Prelim Committee, Finance Department at The Wharton School, 2022-present
Co-organizer of Micro Seminar, Finance Department at The Wharton School, 2017/18, 2026/27
Organizer of Micro Lunch Seminar, Finance Department at The Wharton School, 2016/17
Organizer of Asset Pricing Reading Group, Finance Group at MIT Sloan, 2011, 2012

**External Service:**
Co-organizer of the Macro-Finance Society Meeting, 2021
Co-organizer of the Wharton-ICI Conference, 2026
Co-organizer of PKU/PHBS Sargent Institute Macro-Finance Workshop, 2019-2022
Member of Best Paper Award Committee, SFS Cavalcade North America, 2023
Member of Best Paper Award Committee, Chinese Economists Society (CES) Meeting, 2026
Track Chair, Financial Management Association (FMA) Annual Meeting, 2026
Judge for the Doctoral Research Forum and Thesis Prize at MIT Sloan, 2018, 2022
Mentor, Rising Scholars Mentoring Program by MIT Sloan, 2023
Co-organizer of AEA session on "Human-AI Interaction: Theory and Evidence", 2027

Conference Session Chair Services: European Finance Association Meeting ("Imperfect Competition and Asset Prices", 2026), American Finance Association (AFA) Annual Meeting ("Recent Advances in Asset Pricing: Theory Meets Data", 2026), Econometric Society/AEA Joint Session ("Insights at the Intersection of Asset Pricing and Corporate Finance", 2026), China International Conference in Finance ("AI and the Economics of Financial Information", 2026), SAIF Annual Research Conference ("Network", 2025), Western Finance Association ("Real Investment", 2025), China International Conference in Finance ("AI-Powered Capital Markets", 2025), Annual Conference on Financial Economics and Accounting ("ML/AI/Bigdata/Fintech", 2024), Midwest Finance Association Meeting ("Demand-Based Asset Pricing", 2024), SFS Cavalcade North America ("Cross-Sectional Asset (Mis)Pricing", 2023), SFS Cavalcade North America ("Corporate Finance", 2023), Midwest Financial Association Meeting ("Asset Pricing", 2023), Midwest Financial Association Meeting ("Return Predictability", 2022), PKU/PHBS Sargent Macro-Finance Workshop ("IO and Asset Pricing", 2022), Asian Finance Association Annual Meeting ("Asset Pricing", 2021), Econometric Society/AEA Joint Session ("Rare Events", 2020), European Finance Association Meeting ("International Finance", 2018), IMS-China International Conference on Statistics and Probability ("Nonparametric Statistics and Related Fields", 2009)

Conference Committee Services: Western Finance Association (2017-present), SFS Cavalcade North America (2022-present), Financial Intermediation Research Society (2022-present), Midwest Finance Association (2019-present), Northern Finance Association (2018-present), Kentucky Finance Conference (2022-present), European Finance Association (2018-2023), World Symposium on Investment Research (2023-present), Annual Young Scholars Finance Consortium (2024-present), China Financial Research Conference (2023-present), China International Conference in Finance (2025-present), NTU Conference on AI for Finance (2025), NBS Conference on AI for Finance (2026-present), Annual Conference in Financial Economics and Accounting (2024-present), International Association of Applied Econometrics (2024-present), Johns Hopkins Carey Finance Conference (2024-present), SFS Cavalcade Asia-Pacific (2024-present), Annual Conference on Capital Market Research in the Era of AI (2025-present), CUHK-RAPS-RCFS Conference (2025-present), Workshop on Innovation & Inventiveness in Statistical Methodologies (2009), Chinese Economists Society (CES) Annual Conference (2025-present), HKUST Finance Symposium (2025-present), RAPS/RCFS Conference in Europe (2026-present), JCF China Conference (2026-present), Annual Meeting of the Swiss Society for Financial Market

Research (2027-present), QRFE Workshop on Quantitative Finance (2026-present), Texas Finance Festive (TFF) (2026-present)

**INVITED SEMINARS & CONFERENCES**
(2015–Present, including scheduled, * = by coauthors)

2027

**Seminars:** University of Oxford, University of Warwick, Cheung Kong Graduate School of Business (CKGSB), Peking University (Guanghua), Tsinghua University (SEM), Shanghai Advanced Institute of Finance (SAIF) at Shanghai Jiao Tong University, Oxford Man Institute, Fudan University, Fordham University, University of South Carolina

**Conferences:** American Finance Association (AFA) Annual Meeting (1 presentation and 2 discussions), American Economic Association (AEA) Annual Meeting

2026

**Seminars:** Stanford University (GSB), EPFL and HEC Lausanne, UCLA (Finance), UCLA (Economics), Georgia State University, Rutgers University, Luohan Webinar, SARG Group, Southern Methodist University, University of Texas at Dallas (Naveen Jindal), Barclays Quantitative Portfolio Strategy, Barclays Research (Senior Managers), Asia Innovation and Entrepreneurship Association (AIEA) Seminar

**Conferences:** Macro Finance Society Workshop (INSEAD), Citi Global Quantitative Research Conference, NBER SI Financial Market Structure, Macro Finance Society Workshop (Lecture on Market Power, Strategic Interaction, & Capital Market Dynamics), Yale Cowles Summer Conference on Econometrics in Algorithms and Inferences in the AI Era, SAIF-CAFR Frontier in Finance Research Series (Lecture on AI and Financial Markets), Stanford SITE Workshop on AI in Macro Finance, Wharton-Chicago-Harvard Insolvency & Restructuring Conference, Conference on the Frontiers of AI in Economics (Sargent Institute), Adam Smith Workshop (LBS, discussion), The AI in Finance Conference (Maryland), Johnson Investment Institute Inaugural Annual Investment Symposium, The 9th Annual Young Scholars Finance Consortium (discussion), American Economic Association (AEA) Annual Meeting, American Finance Association (AFA) Annual Meeting (discussion), SAIF Annual Research Conference, Western Finance Association (WFA) Annual Meeting (presentation and 2 discussions), China International Conference in Finance (3 presentations), Financial Intermediation Research Society (FIRS) Conference (presentation and discussion), Jacobs Levy Center's 2026 Frontiers in Quantitative Finance Conference (discussion), Jacobs MSQF Academy Workshop, SFS Cavalcade North America*, ABFER 13th Annual Conference*, The Workshop on Decentralized Financial Markets*, HKIMR-BIS-IMF Joint Conference on Global Interconnections and Financial Stability*

2025

**Seminars:** Office of Financial Research (OFR) at U.S. Department of the Treasury, Columbia University (GSB), Cambridge University (Economics), Indiana University (Kelley), John Hopkins University (Carey), Carnegie Mellon University (Tepper), City University of New York (Baruch, Zicklin), University of Mannheim (Seminar and Lecture), Frankfurt School of Finance and Management (Finance), Cheung Kong Graduate School of Business (CKGSB), Cubist Systematic Strategies (Point72), National University of Singapore (NUS), Nanyang Technological University (NTU), Singapore Management University (SMU), Oxford University (Man Institute of Quantitative Finance), University of Hong Kong (Finance), Asia Innovation and Entrepreneurship Association (AIEA) Seminar (discussion), Durham University

**Conferences:** Bank for International Settlements (BIS) Meeting of Heads of Financial Stability, IESE Barcelona Workshop on Artificial Intelligence in Finance, NBER SI Capital Markets and the Economy Workshop, NBER AI and Big Data (discussion), NYU Stern Martin J. Gruber Five-Star Conference on Research in

Finance (discussion), Notre Dame Investment Management Conference, Kentucky Finance Conference (discussion), UD/Philly Fed Fintech & Financial Institutions Conference (discussion), SFS Cavalcade North America (3 discussions), China International Conference in Finance (3 presentations), SAIF Annual Research Conference, City University Hong Kong International Finance Conference, PHBS Finance Symposium, Financial Intermediation Research Society (FIRS) Conference*, Q Group*, The Workshop on Decentralized Financial Markets*, The 35th Annual Conference on Financial Economics and Accounting (CFEA)*, Finance, Organizations and Markets (FOM) Research Group Conference*, Annual Fintech Conference at Philadelphia Fed*

2024 **Seminars:** U.S. Securities and Exchange Commission (Division of Economic and Risk Analysis at SEC), U.S. Financial Industry Regulatory Authority (FINRA), Sveriges Riksbank (Central Bank of Sweden), University of Texas at Austin (McCombs), University of Minnesota Twin Cities (Carlson), University of Wisconsin–Madison (Finance), University of Rochester (Simon), Rice University (Jones), Georgetown University (McDonough), University of Delaware (Lerner), Chinese University of Hong Kong-Shenzhen (SME Distinguished Speaker Series), Wharton Micro Lunch Seminar, University of California, Irvine (Paul Merage), University of Wisconsin–Madison (Economics, IO Finance Group)

**Conferences:** NBER SI Asset Pricing Meeting, Adam Smith Workshop (LSE), CEPR Summer Asset Pricing Meeting, NBER AI and Big Data (discussion), NYU Stern/Salomon Microstructure Conference, The 19th European Winter Finance Summit, Jackson Hole Finance Group Conference, LBS Summer Finance Symposium (discussion), The 25th Texas Finance Festival, NYU/Penn Law and Finance Conference, The 10th BI-SHoF Conference (Stockholm School of Economics and BI Norwegian), Red Rock Finance Conference (discussion), IMF-WIFPR Conference on Financial and Real Implications of Technologies, AI, and Cyber Risks, Oxford-Man Workshop on Financial Economics and Microstructure, Western Finance Association (WFA) Annual Meeting (2 presentations and discussion), SFS Cavalcade North America (presentation and discussion), European Finance Association (EFA) Annual Meeting (3 presentations), Midwest Finance Association (MFA) Annual Meeting (2 presentations), ABFER-JFDS Conference on AI and FinTech, The 8th Annual QES Global Quant and Macro Investing Conference, The 8th Young Scholars Finance Consortium (discussion), The 9th University of Connecticut Finance Conference (discussion), Jacobs Levy Center's 2024 Frontiers in Quantitative Finance Conference (discussion), The 34th Annual Conference on Financial Economics and Accounting (CFEA), Wharton Conference on Liquidity and Financial Fragility (discussion), University of Chicago (Booth)*, LSE*, Harvard Business School*, The Organization for Economic Co-operation and Development (OECD)*, Bank for International Settlements (BIS)*, Tsinghua University (PBC and SEM)*, Oxford*, Imperial College*, China Fintech Research Conference*, European Financial Management Association (EFMA) conference*, Duke/UNC Asset Pricing Conference*, American Finance Association (AFA) Annual Meeting*, Asian Finance Association Annual Conference (2 presentations)*, ASU Sonoran Winter Finance Conference*, Bretton Woods Accounting and Finance Ski Conference*, Financial Intermediation Research Society (FIRS) Conference*, China International Conference in Finance (CICF)*, Luohan Academy Annual Digital Economy Conference*, The 20th Annual Olin Finance Conference at WashU

2023 **Seminars:** MIT (Sloan), University of Chicago (Booth), University of Southern California (Marshall), Boston College (Carroll), University of Maryland, College

Station (Smith), University of Michigan (Ross), University of Toronto (Rotman), BI Norwegian Business School (Finance), Norwegian School of Economics (NHH), University of Hong Kong (Finance), Hong Kong University of Science and Technology (Finance), George Mason University, University of Illinois, Urbana-Champaign (Gies), Wharton MLG Seminar, Wharton Micro Lunch Seminar

**Conferences:** NBER Big Data and Securities Markets, LBS Summer Finance Symposium, The 19th Annual Olin Finance Conference at WashU, Johns Hopkins Carey Finance Conference, Colorado Finance Summit, Jacobs Levy Center's 2023 Frontiers in Quantitative Finance Conference (discussion), Econometric Society Summer School in Dynamic Structural Econometrics (Deep Learning for Solving and Estimating Dynamic Models), The 2023 Melbourne Asset Pricing Meeting, University of Toronto Junior Finance/Macro Conference, The 7th Annual QES Global Quant and Macro Investing Conference, Mid-Atlantic Research Conference in Finance (MARC), Western Finance Association (WFA) Annual Meeting, Bretton Woods Accounting and Finance Conference (discussion), NYU Stern/Salomon Microstructure Conference (discussion), American Finance Association (AFA) Annual Meeting (discussion), Midwest Finance Association (MFA) Annual Meeting (2 discussions), SFS Cavalcade North America (discussion), PKU/PHBS Sargent Institute Workshop in Macroeconomics and Finance, ILE/Wharton Law and Finance Seminar (discussion), China International Conference in Finance (presentation and discussion), The 13th Summer Institute of Finance (SIF) Conference, Quoniam Asset Management*, University of Southern California*, Fudan University (FISF)*, Texas A&M University (Mays)*, University of Pennsylvania (Economics)*, Shanghai University of Finance & Economics*, Finance and Accounting Research Symposium in London*, SKEMA Corporate Restructuring Conference*, Shanghai Macroeconomics Workshop*, HKUST-JINAN Macro Conference*, The 10th International Congress on Industrial and Applied Mathematics (Tokyo)*, The 9th Hong Kong Joint Finance Research Workshop*, The Nordic Fintech Symposium (Copenhagen)*, Workshop in Market Microstructure: From Theory to AI (Durham)*, Stanford SITE Workshop on New Frontiers in Asset Pricing*, UNSW Asset Pricing Workshop*

2022 **Seminars:** European Securities and Markets Authority (ESMA), Yale University (SOM), University of Washington (Foster), University of Connecticut (Finance), INSEAD (Finance), Boston University (Questrom), Frankfurt School of Finance and Management (Finance), Dauphine-PSL Paris (Université Paris-Dauphine, seminar and 2 lectures), Jinan University (Institute for Economic and Social Research), University of Pennsylvania (Wharton), Cheung Kong Graduate School of Business (CKGSB), University of Georgia (Terry), Temple University (Fox), Australian National University (Finance, Actuarial Studies and Statistics)

**Conferences:** The 31st Utah Winter Finance Conference, The 20th Macro Finance Society Workshop, NYU Stern Martin J. Gruber Five-Star Conference on Research in Finance, The 6th Annual QES Global Quant and Macro Investing Conference, Stanford SITE Workshop on New Frontiers in Asset Pricing, The 12th Summer Institute of Finance (SIF) Conference, Conference on Frontiers in Machine Learning and Economics at Philadelphia Federal Reserve Bank (discussion), PKU/PHBS Sargent Institute Workshop in Macroeconomics and Finance (discussion), UNSW Asset Pricing Workshop, Finance, Organizations and Markets (FOM) Research Group Conference (discussion), American Finance Association (AFA) Annual Meeting (2 presentations), Midwest Finance Association (MFA) Annual Meeting (3 presentations and 2 discussions), The 5th World Symposium on Investment Research (discussion), The 6th Annual Young Scholars Finance Consortium, SFS Cavalcade

North America (presentation and discussion), Western Finance Association (WFA) Annual Meeting (presentation and discussion), Financial Intermediation Research Society (FIRS) Conference (2 presentations), WUSTL (Olin)*, Carnegie Mellon University (Tepper)*, IDC Herzliya*, Peking University (Guanghua)*, University of Toronto*, University of Hong Kong (Economics)*, Macro Finance Research Program (MFR) 2022 Summer Session for Young Scholars (PhD student presentation)*, North Finance Association (NFA) Annual Meeting*, Tsinghua School of Economics and Management Alumni Conference*, The 3rd Frontiers of Factor Investing Conference at Lancaster University*, Paris December Finance Meeting*, The 32nd Annual Conference on Financial Economics and Accounting (CFEA)*

2021 **Seminars:** Northwestern University (Kellogg), University of California, Berkeley (Haas), University of British Columbia (Sauder), Arizona State University (W. P. Carey), University of Southern California (Macro-Finance Reading Group), Suffolk University (Sawyer), University of Pennsylvania (Wharton), Universidad Adolfo Ibáñez, Tsinghua University (PBC School of Finance), City University of Hong Kong (Finance), Shanghai Advanced Institute of Finance (SAIF) at Shanghai Jiao Tong University, Chinese University of Hong Kong (Economics), PanAgora Quantitative Research Institute

**Conferences:** The 4th Finance Symposium at INSEAD (discussion), The 5th Annual QES Global Quant and Macro Investing Conference, Stanford SITE Workshop on Macro Finance and Computation, ILE/Wharton Law and Finance Seminar (discussion), American Finance Association (AFA) Annual Meeting, Western Finance Association (WFA) Annual Meeting (presentation and discussion), The 8th SAFE Asset Pricing Workshop, Midwest Finance Association (MFA) Annual Meeting, Financial Intermediation Research Society (FIRS) Conference (presentation and discussion), SFS Cavalcade North America (3 presentations), Econometric Society Summer Meeting (North America), Oxford Saïd and Risk Center at ETH Zürich Macro-finance Conference (discussion), PKU/PHBS Sargent Institute Workshop in Macroeconomics and Finance, Financial Markets and Corporate Governance Conference (3 presentations and 1 discussion), China International Conference in Finance (2 presentations), European Finance Association (EFA) Annual Meeting (2 presentations), The 11th Summer Institute of Finance (SIF) Conference, The 33rd Asian Finance Association Annual Meeting (5 presentations and discussion), Yale University (SOM)*, University of Texas at Austin*, University of Michigan (Ross)*, University of Oxford*, Indiana University (Kelley)*, Peking University (Guanghua)*, University of Southern California Reading Group*, Smith Business Insight webinar*, University of Pennsylvania (Econometrics Lunch)*, University of Pittsburgh (Economics)*, University of Texas at San Antonio*, San Diego State University*, Southern Denmark University (Finance)*, Hong Kong University of Science and Technology (Finance)*, Shanghai University of Finance and Economics*, The 13th Annual Paul Woolley Centre (LSE/BIS) Conference*, Tsinghua School of Economics and Management Alumni Conference*, China Financial Research Conference (CFRC)*, Financial Management Association (FMA) Annual Meeting*, The 5th Dongbei Econometrics Workshop*, New Zealand Finance Meeting*, The 34th Australasian Finance and Banking Conference*, The 28th Finance Forum of the Spanish Finance Association*, The 2nd Annual Boca Corporate Finance and Governance Conference*, SWUFE International Macro-Finance Conference 2021*, China International Conference in Macroeconomics (CICM)*, CUHK Greater Bay Area Finance Conference*, Society of Financial Econometrics (SoFie) Annual Conference*, BPI and Nova SBE Conference in Corporate Bankruptcy and

Restructuring*, The 8th SUFE Conference on Financial Markets and Corporate Finance*, NBER Asset Pricing Meeting*

2020 **Seminars:** Swiss Finance Institute at Ecole Polytechnique Fédérale de Lausanne (EPFL), University of Colorado Boulder (Leeds), City University of New York (Baruch, Zicklin), Hong Kong University of Science and Technology (Finance), University of Hong Kong (Finance), University of Pennsylvania (Wharton, 2 presentations), Duke-UNC Triangle Macro-Finance Workshop Seminar, Wharton MLG Seminar

**Conferences:** NBER SI Capital Markets and the Economy, The 16th Macro Finance Society Workshop, Finance, Organizations and Markets (FOM) Research Group Conference, Stanford SITE Workshop on Asset Pricing, Macro Finance, and Computation, The 7th SAFE Asset Pricing Workshop, HEC-McGill Winter Finance Workshop, The 3rd World Symposium on Investment Research, Financial Intermediation Research Society (FIRS) Conference (presentation and discussion, canceled), The 12th Florida State University SunTrust Beach Conference (canceled), Mack Institute Virtual Workshop (2 presentations), The 4th Summer Finance Workshop at the Hanqing Advanced Institute of Economics and Finance, The 17th Annual WFA-CFAR Conference on Corporate Finance and Financial Intermediation at Washington University in St. Louis, Workshop of the Discussion Group on Macro-Finance Trends, The 33rd AFBC (presentation and discussion), Western Finance Association (WFA) Conference (presentation and discussion), SFS Cavalcade North America, European Finance Association (EFA) Annual Meeting (2 presentations), Midwest Finance Association (MFA) Annual Meeting (3 presentations and 3 discussions), North Finance Association (NFA) Annual Meeting (2 presentations), RCFS/RAPS Winter Conference (discussion), The 9th Conference on Derivatives of the Canadian Derivatives Institute and HEC Montreal (discussion), Harvard University (Economics)*, PKU/PHBS Sargent Institute*, Singapore Management University*, Federal Reserve Bank of Richmond*, MIT faculty seminar*, Cambridge University (Economics)*, Georgia State University*, University of Texas at Dallas*, American Finance Association (AFA) Annual Meeting*, Econometric Society Winter Meeting (North America)*, Penn/NYU Law and Finance Conference*, Jackson Hole Finance Group Conference*, The 12th Annual Paul Woolley Centre (LSE/BIS) Conference*, Virtual Finance Theory Seminar*, Virtual Finance Workshop*, The Gary Chamberlain Online Seminar in Econometrics*

2019 **Seminars:** University of Rochester (Simon), Federal Reserve Bank of Dallas, University of Texas at Dallas (Naveen Jindal), Hong Kong University of Science and Technology (Finance), City University of Hong Kong (Finance), University of Pennsylvania (Wharton, 2 presentations), Wharton MLG Seminar

**Conferences:** NBER Corporate Finance Meeting, NBER Dynamic Equilibrium Models Meeting (discussion), Stanford SITE Workshop on Asset Pricing, Macro Finance, and Computation, The 6th SAFE Asset Pricing Workshop, Minnesota Finance Junior Conference, MFM/Macro Financial Modeling Winter Capstone Conference in NYC, European Finance Association (EFA) Annual Meeting (presentation and discussion), The 4th Annual Young Scholars Finance Consortium, Northeastern Finance Conference, PNC Kentucky Finance Conference, China International Conference in Macroeconomics (CICM), PKU/PHBS Sargent Institute Workshop in Macroeconomics and Finance (2 presentations and discussion), Western Finance Association (WFA) Conference (discussion), SFS Cavalcade North America (discussion), HEC-McGill Winter Finance Workshop (discussion), Mitsui Finance Symposium at University of Michigan (discussion), NYU Stern Five-Star Conference

on Research in Finance (discussion), Stanford University (GSB)*, Cornell University (Economics)*, Duke University (Economics)*, University of Wisconsin-Madison*, Johns Hopkins University*, Norwegian School of Economics*, HEC Paris*, Peking University*, Nova School of Business and Economics*, Chinese University of Hong Kong (Shenzhen)*, PKU/PHBS Sargent Institute*, Bank of Canada*, BI Norwegian Business School*, Amsterdam Business School*, McGill University (Economics)*, UC Riverside (Economics)*, Midwest Finance Association Annual Meeting (MFA)*, North Finance Association (NFA) Annual Meeting*, The 2nd HKUST-JINAN Joint Workshop on Macroeconomics*, Econometric Society Annual Meeting (Asia)*, Conference on Systemic Risk and Financial Stability at Freiburg Institute for Advanced Studies*, The Macroeconomy and Finance in China Conference by the Becker Friedman Institute at University of Chicago*, MIT Capital Markets Research Workshop (lecture)*, Mitsui Center Summer School on Structural Estimation in Corporate Finance (lecture)*

2018 **Seminars:** INSEAD (Finance), University of Pennsylvania (Economics), Peking University (Guanghua), University of Pennsylvania (Wharton, 2 presentations)

**Conferences:** Duke-UNC Finance Conference, MIT Junior Finance Faculty Conference, American Finance Association (AFA) Annual Meeting (2 presentations), The 2nd Corporate Policies and Asset Prices (COAP) Conference, European Finance Association (EFA) Annual Meeting (2 presentations and discussion), North American Finance Association (NFA) Annual Meeting, Mack Institute Workshop, HKUST-JINAN Macro Conference (2 presentations), PKU/PHBS Sargent Institute Workshop in Macroeconomics and Finance (discussion), Princeton University (Economics)*, Arizona State University (WP Carey)*, Federal Reserve Bank at Boston*, Yale Cowles Foundation Workshop*, HKUST Macroeconomics Conference*, HKUST Finance Symposium*

2017 **Seminars:** University of Pennsylvania (Economics), University of British Columbia (Sauder), Federal Reserve Bank of Philadelphia, University of Arizona (Eller), University of Hong Kong, University of Pennsylvania (Wharton)

**Conferences:** The 27th Utah Winter Finance Conference, Red Rock Finance Conference (discussion), Stanford SITE on the Macroeconomics of Uncertainty and Volatility, Conference of Macroeconomic Modelling and Model Comparison (CEPR MMCN Conference 2017 at Frankfurt), AMA Conference of Marketing Strategy Meets Wall Street, University of Wisconsin-Madison Junior Conference, Rising Five-Star Workshop at Columbia Business School, The 28th Annual Conference on Financial Economics and Accounting (CFEA), Macro Finance Modeling Summer Meeting, Western Finance Association (WFA) Conference (discussion), Midwest Financial Association (MFA) Conference (discussion), Northern Finance Association (NFA) Conference (discussion), UNC Chapel Hill Junior Finance Roundtable (discussion), Taxes University A&M (Mays)*, Nanyang Technology University in Singapore*, Singapore Management University*, Hong Kong University of Science and Technology*, Hong Kong Joint Finance Research Workshop*, The 30th Australasian Finance and Banking Conference*, 2017 Auckland Finance Meeting*

2016 **Seminars:** University of Chicago (Booth), Duke University (Fuqua), University of Minnesota Twin Cities (Carlson), Cheung Kong Graduate School of Business (CKGSB), The Ohio State University (Fisher), Texas University A&M (Mays), UCLA (Anderson), University of Pennsylvania (Wharton), Wharton Macro Lunch Seminar, The University of North Carolina at Chapel Hill (Kenan–Flagler), Washington University in St. Louis (Olin)

**Conferences:** Stanford SITE on New Models in Macro Finance, American Economic Association (AEA) Conference, SFS Finance Cavalcade (discussion)

2015 **Seminars:** MIT (Sloan)

**Conferences:** Macro Financial Modeling (MFM) Group Meeting at New York City, CSRA Conference, Norwegian School of Economics*, Paris School of Economics*, Polytechnique*

**TEACHING**

FNCE237/537/737: AI and Data Science in Finance (undergraduate, quant master's, and MBA)
FNCE206/717: Financial Derivatives (undergraduate and MBA)
FNCE934: Advanced Topics in Dynamic Asset Pricing (2nd year PhD)
FNCE911: Foundations for Financial Economics (1st year PhD)

**RESEARCH GRANT**

Research Grant Award by The Jacobs Levy Equity Management Center for Quantitative Financial Research: 2018, 2019 2021, 2022, 2023, 2025

**AWARDS**

Research Grant Award by Mack Institute for Innovation Management: 2017, 2019, 2022, 2025

Research Grant Award by Wharton AI & Analytics Initiative: 2022, 2023, 2024, 2025, 2026

Research Grant Award by the Environmental, Social and Governance (ESG) Initiative of the Wharton School: 2022

Hong Kong RGC GRF Grant (Project No. 16502022, Y. Ji and W. Wu): 2022

Insight Grants, Social Sciences and Humanities Research Council of Canada: 2021

Penn Undergraduate Research Mentoring Program (PURM) Award: 2019

Research Grant Award by Rodney L White Center for Financial Research: 2017, 2018