Prof Dr Ingmar Nolte

Professor of Finance and Econometrics
Department of Accounting and Finance, Lancaster University Management School
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Academic Positions

since 2016	Professor of Finance and Econometrics, Lancaster University Management School, Lancaster University
2013 – 2016	Reader in Finance, Lancaster University Management School, Lancaster University
2011 – 2013	Associate Professor of Finance, Warwick Business School, University of Warwick
2008 – 2011	Assistant Professor of Finance, Warwick Business School, University of Warwick
2003 – 2008	Research Associate (Wissenschaftlicher Angesteller), Chair of Economics and Econometrics of Prof. Dr. Winfried Pohlmeier, Department of Economics, University of Konstanz

Education

2008	Dr. rer. pol. (Economics), University of Konstanz, Germany, (summa cum laude)
2003	Diplom & MSc Mathematical Finance, University of Konstanz, Germany, (with distinction)
1998	Abitur, Friedrich-Bährens-Gymnasium, Schwerte, Germany

Professional Activities & Honours

since 2026	Doctoral Director, Lancaster University Management School
2022	Establishment of the Professor of Financial Econometrics chair in honour of Prof. Dr. Ingmar Nolte, Woxsen University, India
since 2016	Director, Centre for Financial Econometrics, Asset Markets and Macroeconomic Policy
since 2016	Member of the ESRC Plus 3 Assessor Panel
since 2015	Member of the ESRC DTP Review College
2016 – 2017	Lancaster University Institutional Lead, ESRC NWSSDTP
2013 – 2016	Director of the PhD in Finance Programme, Lancaster University Management School, Lancaster University
2013 – 2016	Accounting and Finance Pathway Lead, North West Doctoral Training Centre
since 2013	Visiting Professor & Teaching Associate, Warwick Business School, University of Warwick
2012 – 2013	Director of the PhD in Finance Programme, University of Warwick
2010	Visiting Professor, Department of Economics, University of Konstanz, Germany
since 2008	Visiting Fellow, CREATES, University of Aarhus, Denmark
2009 – 2012	Deputy Director, Financial Econometrics Research Centre (FERC), University of Warwick
2006	Visiting Fellow, Department of Economics, University of Copenhagen, Denmark
since 2003	Research Fellow, Center of Finance and Econometrics (CoFE), University of Konstanz

Editorial Work

since 2023	Guest Editor Journal of Time Series Analysis
since 2022	Guest Editor Journal of Econometrics
2013	Guest Editor Journal of Banking and Finance
since 2011	Associate Editor European Journal of Finance

Research Grants

2025 – 2029 ESRC & ROBECO PhD CASE grant on "Responsibility, Risk and Return: Sustainable Investing for a Resilient Future" £202k, together with Olga Kolokolova, Lancaster University.

2022 – 2026 ESRC & ROBECO PhD CASE grant on "Systematic Avenues to Sustainable Investing" £170k, together with Chelsea Yao, Lancaster University.

2020 – 2021 Order Book Foundations of Price Risks and Liquidity, £48k, UKRI - Covid 19 Grant Extension Allocation.

2019 – 2023 ESRC Advanced Quantitative Methods (AQM) doctoral student scholarship for the project "Jump Robust Volatility Estimation and Jump Tests using Renewal Processes" £120k, together with Sandra Nolte, Lancaster University.

2016 – 2020 Order Book Foundations of Price Risks and Liquidity: An Integrated Equity and Derivatives Markets Perspective, £443796 + €243201, ESRC-FWF bilateral grant, together with Stephen J. Taylor, Lancaster University and Nikolaus Hautsch, University of Vienna.

2015 ERASMUS teaching and staff mobility grant, 2nd KoLa workshop in Konstanz, £1000.

2015 ESRC PhD CASE grant on "An integrated analysis of investment management processes" together with Deka Investment, 4 years of funding, £120k.

2010 – 2012 Multivariate Point Processes, £2000, (Warwick University - Research Development Fund).

2010 Limit Order Books; Liquidity, Price Formation and Forecasting, £3000, (Warwick Business School - Bursary Fund).

2009 – 2012 Optimal Risk Management and the Nature of Basis Risk, £3500, (DAAD - British Council's ARC) together with Axel Adam-Müller, University of Trier.

2009 Modeling and Forecasting Realised Volatility Matrices, £2000, (Warwick University - Research Development Fund).

2007 – 2010 Analysis, Modelling and Forecasting of Multivariate Volatility Processes, €180k, (Fritz Thyssen Foundation), with Winfried Pohlmeier, University of Konstanz.

2006 – 2009 Multivariate Analysis of Market Risks and Trading Processes on the Transaction Level, €180k, (German Research Foundation), with Winfried Pohlmeier, University of Konstanz.

2003 – 2007 Dealer-Behavior and Price-Dynamics on the Foreign Exchange Market, €120k, (Fritz Thyssen Foundation), with Winfried Pohlmeier, University of Konstanz.

Publications in Refereed Journals

2026 "Testing for jumps in a discretely observed price process with endogenous sampling times", *Journal of Econometrics*, 254A, 106132; joint work with Qiyuan Li, Yifan Li, Sandra Nolte and Shifan Yu.

2026 "Regime-Aware Risk Parity: Conditioning the Covariance Matrix on Macroeconomic and Stock Market Regimes", *The Journal of Portfolio Management*, 52(5), 51–76; joint work with Alessio de Longis, David Happersberger, Scott Hixon and Han Liang.

2026 "The risk of falling short: implementation shortfall variance in portfolio construction", *The European Journal of Finance*, 32(4–6), 546–563; joint work with Filip Bašić, Alberto Martín-Utrera and Sandra Nolte.

2025 "Realized candlestick wicks", *Journal of Econometrics*, 250, 106014; joint work with Yifan Li, Sandra Nolte and Shifan Yu.

2025 "Decoupling Interday and Intraday Volatility Dynamics With Price Durations", *Journal of Time Series Analysis*, 46(6), 1224–1250; joint work with Yifan Li, Sandra Nolte and Shifan Yu.

2024 "Can Capital Adjustment Costs Explain the Decline in Investment–Cash Flow Sensitivity?", *Journal of Financial and Quantitative Analysis*, 59(5), 2399–2424; joint work with Shushu Liao and Grzegorz Pawlina.

2024 "Parametric risk-neutral density estimation via finite lognormal-Weibull mixtures", *Journal of Econometrics*, 241(2), 105748; joint work with Yifan Li and Manh Cuong Pham.

2024 "Transaction Cost–Optimized Equity Factors around the World", *The Journal of Portfolio Management*, 50(6), 40–73; joint work with Filip Bašić, Harald Lohre, Alberto Martín-Utrera and Sandra Nolte.

2024 "Factor Timing with Portfolio Characteristics", *The Review of Asset Pricing Studies*, 14(1), 84–118; joint work with Anastasios Kagkadis, Sandra Nolte and Nikolaos Vasilas.

2023 "Volatility Estimation and Forecasts Based on Price Durations", *Journal of Financial Econometrics*, 21(1), 106–144; joint work with Seok Young Hong, Stephen J. Taylor and Xiaolu Zhao.

2022 "A generalized heterogeneous autoregressive model using market information", *Quantitative Finance*, 22(8), 1513–1534; joint work with Rodrigo Hizmeri, Marwan Izzeldin and Vasileios Pappas.

2022 "Weighted Least Squares Realized Covariation Estimation", *Journal of Banking & Finance*, 137, 106420; joint work with Yifan Li, Michalis Vasios, Valeri Voev and Qi Xu.

2021 "High-frequency volatility modeling: A Markov-Switching Autoregressive Conditional Intensity model", *Journal of Economic Dynamics and Control*, 124, 104077; joint work with Yifan Li and Sandra Nolte.

2021 "A Descriptive Study of High-Frequency Trade and Quote Option Data", *Journal of Financial Econometrics*, 19(1), 128–177; joint work with Torben Andersen, Ilya Archakov, Leon Grund, Nikolaus Hautsch, Yifan Li, Sergey Nasekin, Manh Cuong Pham, Stephen Taylor and Viktor Todorov.

2020 "Estimating portfolio risk for tail risk protection strategies", *European Financial Management*, 26(4), 1107–1146; joint work with David Happersberger and Harald Lohre.

2019 "What determines forecasters' forecasting errors?", *International Journal of Forecasting*, 35(1), 11–24; joint work with Sandra Nolte and Winfried Pohlmeier.

2016 "Disagreement versus uncertainty: Evidence from distribution forecasts", *Journal of Banking & Finance*, 72, S172–S186; joint work with Fabian Krüger.

2016 "The information content of retail investors' order flow", *The European Journal of Finance*, 22(2), 80–104; joint work with Sandra Nolte.

2015 "The economic value of volatility timing with realized jumps", *Journal of Empirical Finance*, 34, 45–59; joint work with Qi Xu.

2014 "Sell-side analysts' career concerns during banking stresses", *Journal of Banking & Finance*, 49, 424–441; joint work with Sandra Nolte and Michalis Vasios.

2012 "Least Squares Inference on Integrated Volatility and the Relationship Between Efficient Prices and Noise", *Journal of Business & Economic Statistics*, 30(1), 94–108; joint work with Valeri Voev.

2012 "How do individual investors trade?", *The European Journal of Finance*, 18(9–10), 921–947; joint work with Sandra Nolte.

2012 "A detailed investigation of the disposition effect and individual trading behavior: a panel survival approach", *The European Journal of Finance*, 18(9–10), 885–919.

2011 "Cross hedging under multiplicative basis risk", *Journal of Banking & Finance*, 35(11), 2956–2964; joint work with Axel F.A. Adam-Müller.

2011 "Trading Dynamics in the Foreign Exchange Market: A Latent Factor Panel Intensity Approach", *Journal of Financial Econometrics*, 9(4), 685–716; joint work with Valeri Voev.

2011 "Improved Inference in Regression with Overlapping Observations", *Journal of Business Finance & Accounting*, 38(5–6), 657–683; joint work with Mark Britten-Jones and Anthony Neuberger.

2011 "An inflated multivariate integer count hurdle model: an application to bid and ask quote dynamics", *Journal of Applied Econometrics*, 26(4), 669–707; joint work with Katarzyna Bien and Winfried Pohlmeier.

2008 "Modeling a Multivariate Transaction Process", *Journal of Financial Econometrics*, 6(1), 143–170.

2007 "Using forecasts of forecasters to forecast", *International Journal of Forecasting*, 23(1), 15–28; joint work with Winfried Pohlmeier.

2006 "Modelling financial transaction price movements: a dynamic integer count data model", *Empirical Economics*, 30(4), 795–825; joint work with Roman Liesenfeld and Winfried Pohlmeier.

Editorials

2026 "Advances in portfolio selection and asset pricing in honor of Harry Markowitz", *The European Journal of Finance*, 32(4–6), 422–426; joint work with Alexandre M. Baptista.

2026 "Introduction to the Issue on High Frequency Econometrics", *Journal of Econometrics*, 254A, 106175; joint work with Lukas Bauer, Roxana Halbleib, Richard Olsen and Torben G. Andersen.

2025 "Special Issue in Honour of Stephen J. Taylor: Guest Editors' Introduction", *Journal of Time Series Analysis*, 46(6), 1029–1031; joint work with Torben G. Andersen and Kim Christensen.

2014 "The search for financial stability: Models, policies and prospects", *Journal of Banking & Finance*, 49, 323–325; joint work with Meryem Duygun, Filipa Sá and Mohamed Shaban.

Books

2015 Ingmar Nolte, Mark Salmon and Chris Adcock (eds.), "High Frequency Trading and Limit Order Book Dynamics", Routledge, 1st edition.

Chapters in Books

2015 "How do individual investors trade?", In Ingmar Nolte, Mark Salmon and Chris Adcock (eds.), *High Frequency Trading and Limit Order Book Dynamics*, Routledge, pp. 189–215; joint work with Sandra Nolte. Reprint of the 2012 article in The European Journal of Finance.

2015 "A detailed investigation of the disposition effect and individual trading behavior: a panel survival approach", In Ingmar Nolte, Mark Salmon and Chris Adcock (eds.), *High Frequency Trading and Limit Order Book Dynamics*, Routledge, pp. 153–187. Reprint of the 2012 article in The European Journal of Finance.

2008 "A multivariate integer count hurdle model: theory and application to exchange rate dynamics", In Luc Bauwens, Winfried Pohlmeier and David Veredas (eds.), *High Frequency Financial Econometrics*, Physica-Verlag HD, pp. 31–48; joint work with Katarzyna Bien and Winfried Pohlmeier.

2008 "Modelling financial transaction price movements: a dynamic integer count data model", In Luc Bauwens, Winfried Pohlmeier and David Veredas (eds.), *High Frequency Financial Econometrics*, Physica-Verlag HD, pp. 167–197; joint work with Roman Liesenfeld and Winfried Pohlmeier.

Working Papers

2026 "(Near) Real-Time Detection of Rapid Co-Movements with Candlestick Information"; joint work with Reka Lantos, Sandra Nolte and Manh Pham.

2026 "The Frequency Term Structure of Factor Premia"; joint work with Bruno Moreira and Sandra Nolte.

2026 "Volatility Forecasting Factors"; joint work with Marco Cinquetti, Seok Young Hong and Sandra Nolte.

2026 "A Linear Weight Estimator for Dynamic Global Minimum Variance Portfolio Allocation"; joint work with Ekaterina Kazak, Yifan Li and Sandra Nolte.

2026 "The Impact of Misleading Corporate Communication on Stock Performance"; joint work with Lewei He, Harald Lohre and Yaqiong Yao.

2025 "The Price of Emissions: Carbon Risk in the European Equity Market"; joint work with Lewei He, Harald Lohre and Yaqiong Yao.

2024 "Power Sorting"; joint work with Anastasios Kagkadis, Harald Lohre, Sandra Nolte, Manh Cuong Pham and Nikolaos Vasilas.

2022 "The Maximal Range-Return Divergence Statistic"; joint work with Yifan Li and Sandra Nolte.

2022 "Direct Portfolio Weight Estimator: Mitigating Specification Risk with Realized Utility"; joint work with Ekaterina Kazak, Yifan Li and Sandra Nolte.

2021 "Volatility Estimation and Sampling Efficiency: An Intrinsic Time Approach"; joint work with Yifan Li and Sandra Nolte.

2021 "Combining expected shortfall and value-at-risk forecasts using machine learning techniques"; joint work with David Happersberger, Harald Lohre and Maximilian Stroh.

2021 "Bolstering the Modelling and Forecasting of Realized Covariance Matrices using (Directional) Common Jumps"; joint work with Rodrigo Hizmeri and Marwan Izzeldin.

2020 "The relevance of high-frequency news analytics for lower-frequency investment strategies"; joint work with David Happersberger, Harald Lohre and Carsten Rother.

2019 "Renewal Based Volatility Estimation"; joint work with Yifan Li and Sandra Nolte.

2019 "Revisiting the Measurement Error in q: An Investigation of the Covariance among Regressors"; joint work with Shushu Liao and Grzegorz Pawlina.

2018 "High-Frequency Covariance Matrix Estimation Using Price Durations"; joint work with Xiaolu Zhao and Stephen J. Taylor.

2017 "High-Frequency Volatility Estimation and the Relative Importance of Market Microstructure Variables"; joint work with Yifan Li and Sandra Nolte.

2017 "A Least Squares Regression Realised Covariation Estimation under MMS Noise and Non-Synchronous Trading"; joint work with Michalis Vasios, Valeri Voev and Qi Xu.

2017 "All Things both Great and Small: Transaction Cost Persistence in Corporate Bonds"; joint work with Redouane Elkamhi and Jonatan Groba.

2015 "Dissecting Volatility Risks in Currency Markets"; joint work with Mark P. Taylor and Qi Xu.

2015 "Uncovering the Benefit of High-Frequency Data in Portfolio Allocation"; joint work with Qi Xu.

2013 "Profiting from Mimicking Strategies in Non-Anonymous Markets"; joint work with Richard G. Payne and Michalis Vasios.

2013 "An MCMC Approach to Multivariate Density Forecasting: An Application to Liquidity"; joint work with Fabian Krüger.

2011 "Where Do the Joneses Go on Vacation? Social Distance and the Influence of Online Reviews on Product Sales"; joint work with Leif Brandes and Sandra Nolte.

2009 "Customer Trading in the Foreign Exchange Market: Empirical Evidence from an Internet Trading Platform"; joint work with Sandra Lechner.

2007 "Estimating High-Frequency Based (Co-) Variances: A Unified Approach"; joint work with Valeri Voev.

2006 "Estimating Liquidity Using Information on the Multivariate Trading Process"; joint work with Katarzyna Bien and Winfried Pohlmeier.

Supervision of PhD Students

Shanth Vidya Babu, 2025 intake, PhD in Finance, Lancaster University Management School

Weiqi Zhang, 2025 intake, PhD in Finance, Lancaster University Management School

Bruno Suzano de Campos Vaz Moreira, 2023 intake, PhD in Finance, Lancaster University Management School

Reka Lantos, 2022 intake, PhD in Finance, Lancaster University Management School

Lewei He, 2022 intake, PhD in Finance, Lancaster University Management School

Marco Cinquetti, 2021 intake, PhD in Finance, Lancaster University Management School, present appointment: Researcher, Department of Economics, University of Verona, Italy

Dr Shifan Yu, PhD in Finance 2024, Lancaster University Management School, present appointment: Postdoctoral Researcher, Oxford-Man Institute of Quantitative Finance, University of Oxford; Junior Research Fellow, Corpus Christi College, Oxford, UK

Dr Nikolaos Vasilas, PhD in Finance 2024, Lancaster University Management School, present appointment: Quantitative Researcher, Ultramarin, Germany

Dr Filip Bašić, PhD in Finance 2024, Lancaster University Management School, present appointment: Quantitative Researcher, Squarepoint Capital, London, UK

Dr David Happersberger, PhD in Finance 2021, Lancaster University Management School, present appointment: Asset Manager, Invesco Quantitative Strategies, Germany

Dr Yifan Li, PhD in Finance 2018, Lancaster University Management School, present appointment: Senior Lecturer in Finance, Alliance Manchester Business School, University of Manchester, UK

Dr Shushu Liao, PhD in Finance 2018, Lancaster University Management School, present appointment: Associate Professor of Finance, Peking University HSBC Business School, UK campus

Dr Xiaolu Zhao, PhD in Finance 2016, Lancaster University Management School, present appointment: Assistant Professor in Finance, Risk and Banking, Nottingham University Business School, University of Nottingham, UK

Dr Qi (Stephen) Xu, PhD in Finance 2015, Warwick Business School, present appointment: Associate Professor, College of Economics, Zhejiang University, China

Dr Michalis Vasios, PhD in Finance 2013, Warwick Business School, present appointment: Senior Supervision Officer at European Securities and Markets Authority, Paris, France

Refereeing

Computational Statistics and Data Analysis, CSDA Annals of Computational and Financial Econometrics, Econometric Theory, Econometrics Journal, Economics Bulletin, Empirical Economics, Finance Research Letters, Journal of Applied Econometrics, Journal of Banking and Finance, Journal of Business & Economic Statistics, Journal of Econometrics, Journal of Economic Behavior & Organization, Journal of Economic Dynamics and Control, Journal of Economics and Statistics, Journal of Empirical Finance, Journal of Finance, Journal of Financial Econometrics, Journal of Financial Economics, Journal of Financial and Quantitative Analysis, Journal of Forecasting, Journal of Futures Markets, Journal of Money, Credit and Banking, Journal of International Money and Finance, Journal of Time Series Analysis, International Journal of Forecasting, Optimization Letters, Quantitative Finance, Review of Derivatives Research, Review of Economics and Statistics, Review of Economic Studies, Review of Financial Studies

since 2023 Reviewer for the Research Grants Council of Hong Kong

since 2020 Reviewer for the Dutch Science Foundation, Netherlands

since 2019 Reviewer for the National Science Centre, Poland

since 2016 Reviewer for the ESRC

since 2016 Reviewer for British Academy BA/Leverhulme Trust

since 2012 Reviewer for the Foundation for Science and Technology (Portuguese public research funding agency)

Memberships

Society for Financial Econometrics, Econometric Society, German Economic Association, International Institute of Forecasters, European Finance Association, Centre for International Research on Economic (Tendency) Surveys, Royal Economic Society

External Examiner

since 2021 MSc/MBA/BSc in Accounting, Finance and Business, full time & executive, Warwick Business School, University of Warwick, external examiner

2016 - 2020 MBA in Finance, full time & executive, Cranfield School of Management, Cranfield University, external examiner

2014 - 2018 MSc in Quantitative Finance and Financial Engineering & MSc in Quantitative Finance and Risk Management, Alliance Manchester Business School, The University of Manchester, external examiner

PhD Thesis Examiner

Frederik André Heinrich Simon, Essays in Empirical Financial Research, University of Cologne, 24th September 2024, external thesis examiner

Michael Grebe, Volatility Forecasting and Portfolio Optimization using Echo State Networks, Manchester University, 19th June 2024, external thesis examiner

Madeleine Margaret Barrow, Market Stability through the Lens of Mini-Flash Crashes, Monash University, 14th December 2022, external thesis examiner

Mohammad Bin Hassan, Investor Emotions and Asset Prices, The University of Warwick, 17th November 2021, external thesis examiner

Ye Zeng, Econometric Forecasting and Textual Analysis in Finance, Aarhus University, 25th April 2019, external thesis examiner

Shiyun Song, Three Essays in Transaction Cost Analysis, The University of Warwick, 5th July 2018, external thesis examiner

Baback Roodbar, An Intraday Examination of the Role of Priors in the Price Discovery Process, Newcastle University, 24th October 2017, external thesis examiner

Tristan Linke, Essays in Volatility Research, Lancaster University, 28th April 2017, internal thesis examiner

Aristogenis Lazos, Risk-neutral pricing in a behavioural framework, University of Essex, 9th February 2017, external thesis examiner

Roland Gemayel, Social Trading: An Analysis of Herding Behavior, the Disposition Effect, and Informed Trading among Traders, King's College London, 18th July 2016, external thesis examiner

Cheng Luo, Discrete Capacity Choice in Repeated and Scaled Investments, Lancaster University, 27th May 2015, internal thesis examiner

Bingbing Li, Optimal Execution with Hawkes Market Impact Functions, University of Warwick, 1st February 2013, internal thesis examiner

Cristina Conflitti, Essays on the Econometrics of Macroeconomic Survey Data, Université libre de Bruxelles, 11th May 2012, external thesis examiner

Conference Organisation

Financial Econometrics Conference, 21st-23rd April 2027, Lancaster University, UK.

3rd Financial Fraud, Misconduct and Market Manipulation Conference, 10th-11th September 2026, Lancaster University, UK.

Lancaster-Manchester-Warwick-Oxford Joint PhD Workshop on Quantitative Finance and Financial Technology, 21st May 2026, Warwick Business School, UK.

5th Frontiers of Factor Investing Conference, 15th-17th April 2026, Lancaster University, UK.

2nd Financial Fraud, Misconduct and Market Manipulation Conference, 11th-12th September 2025, Lancaster University, UK.

Lancaster-Manchester-Warwick-Oxford Joint PhD Workshop on Finance and Econometrics, 16th-17th June 2025, Lancaster University, UK.

1st Financial Fraud, Misconduct and Market Manipulation Conference, 12th-13th September 2024, Lancaster University, UK.

Lancaster-Manchester-Warwick Joint PhD Workshop on Quantitative Finance and Financial Technology, 13th May 2024, Warwick Business School, UK.

4th Frontiers of Factor Investing Conference, 24th-26th April 2024, Lancaster University, UK.

Lancaster-Manchester Joint PhD Workshop on Quantitative Finance and Financial Econometrics, 24th-25th May 2023, Lancaster University, UK.

Financial Econometrics Conference to Mark Stephen Taylor's Retirement, 29th-31st March 2023, Lancaster University, UK.

16th International Conference on Computational and Financial Econometrics, 17th-19th December 2022, King's College London, UK, Scientific Committee Member.

3rd Frontiers of Factor Investing Conference, 15th-16th September 2022, Lancaster University, UK.

Volatility, Jumps and Bursts Workshop, 27th-28th June 2022, Lancaster University, UK.

Conference on Intrinsic Time in Finance, 6th-7th May 2022, Allensbach, Germany.

15th International Conference on Computational and Financial Econometrics, 18th-20th December 2021, King's College London, UK, Scientific Committee Member.

6th KoLaMaFr Workshop on Financial Econometrics, 21st-22nd June 2021, Lancaster University, UK.

Econometrics of Option Markets Workshop, 19th-21st April 2021, University of Vienna, Austria.

2nd Frontiers of Factor Investing Conference, 28th-29th January 2021, Lancaster University, UK.

14th International Conference on Computational and Financial Econometrics, 19th-21st December 2020, Virtual Conference, UK, Session Organizer & Scientific Committee Member.

13th International Conference on Computational and Financial Econometrics, 14th-16th December 2019, University of London, UK, Session Organizer & Scientific Committee Member.

Mutual Funds, Hedge Funds and Factor Investing Conference, 3rd-4th June 2019, Lancaster University, UK.

FMA - 2019 Consortium on Factor Investing, 4th February 2019, University of Cambridge, UK.

Financial Econometrics Conference: Market Microstructure, Limit Order Books and Derivative Markets, 13th-14th September 2018, Lancaster University, UK.

1st Frontiers of Factor Investing Conference, 23rd-24th April 2018, Lancaster University, UK.

1st Lancaster-Warwick (LaWa) Workshop on Financial Econometrics & Market Microstructure, 9th June 2017, Lancaster University, UK.

3rd Konstanz-Lancaster (KoLa) Workshop on Finance and Econometrics, 2nd-3rd May 2017, Lancaster University, UK.

SoFiE Joint Conference on Financial Econometrics and Empirical Asset Pricing, 30th June-1st July 2016, Lancaster University, UK.

ESRC NWDTC Accounting and Finance Pathway Workshop on Job Market and Employment Skills, 20th November 2014, Lancaster University, UK.

1st Konstanz-Lancaster (KoLa) Workshop on Finance and Econometrics, 7th-11th May 2014, Lancaster University, UK.

IFABS 2013, 5th International Conference, 26th-28th June 2013, East Midlands Conference Centre, Nottingham, UK.

Frontiers of Finance 2012 Conference, 13th-15th September 2012, Warwick Business School, UK.

Recent Advances in Finance - Conference Week, 4th-8th July 2011, Warwick Business School, UK.

Conference on Individual Decision Making, High Frequency Econometrics and Limit Order Book Dynamics, 23rd-25th September 2009, Warwick Business School, UK.

International Conference on High Frequency Finance, 19th-20th May 2006, University of Konstanz, Germany.

Research Presentations by Ingmar Nolte and Co-authors

*Presented by a co-author; unmarked entries presented by Ingmar Nolte.

Intrinsic Time

2002: *6 Jul*, University of Konstanz Seminar, Konstanz, Germany.

Modelling financial transaction price movements: a dynamic integer count data model

2004: *2 Jul**, CORE Seminar, Louvain-la-Neuve, Belgium; **2003**: *23 Aug**, 18th EEA / 58th ESEM, Stockholm, Sweden; **2002**: *10 Sep**, 32nd Ottobeuren Seminar, Ottobeuren, Germany; *5 Jul**, SFB 386 Seminar, Ludwig-Maximilians-Universität München (LMU), Munich, Germany; *28 Jun**, Hanken School of Economics Seminar, Helsinki, Finland.

Modeling a Multivariate Transaction Process

2004: *30 Sep*, Verein für Socialpolitik, Dresden, Germany; *21 Aug*, 59th ESEM, Madrid, Spain; *27 May*, University of Kiel Seminar, Kiel, Germany; *24 Apr*, Workshop on the Econometrics of the Microstructure of Financial Markets, Tilburg, Netherlands.

Using forecasts of forecasters to forecast

2004: *17 Sep*, 27th CIRET Conference, Warsaw, Poland; *30 Jun*, St. Gallen–Konstanz Seminar, St. Gallen, Switzerland; **2003**: *24 Feb*, ZEW Seminar, Mannheim, Germany.

Measuring Liquidity on Financial Markets Using Transaction Data

2004: *5 Mar*, DFG/CoFE Workshop on Price, Liquidity and Credit Risks, Königsfeld, Germany.

Customer Trading in the Foreign Exchange Market: Empirical Evidence from an Internet Trading Platform

2011: *6 Jul**, Frontiers of Finance, Coventry, UK; **2006**: *19 May*, International Conference on High Frequency Finance, Konstanz, Germany; **2005**: *30 Sep*, Verein für Socialpolitik, Bonn, Germany; *3 Sep*, International Finance Conference, Copenhagen, Denmark; *25 Aug*, 20th EEA, Amsterdam, Netherlands; *22 Jun*, Ökonomischer Workshop, Tübingen, Germany; *8 Apr*, DFG/CoFE Workshop on Price, Liquidity and Credit Risks, Königsfeld, Germany; *19 Mar*, Market Microstructure Workshop, Madrid, Spain.

A detailed investigation of the disposition effect and individual trading behavior: a panel survival approach

2008: *18 Dec*, ECARES Seminar, Université libre de Bruxelles, Brussels, Belgium; *11 Nov*, CREATES Seminar, Aarhus, Denmark; **2006**: *26 Aug*, 61st ESEM, Vienna, Austria; *19 May*, International Conference on High Frequency Finance, Konstanz, Germany; **2005**: *22 Jun*, Ökonomischer Workshop, Tübingen, Germany.

Estimating Liquidity Using Information on the Multivariate Trading Process

2006: *28 Aug**, 61st ESEM, Vienna, Austria; *8 Jun**, DFG/CoFE Workshop on Price, Liquidity and Credit Risks, Königsfeld, Germany; *20 May**, International Conference on High Frequency Finance, Kreuzlingen, Switzerland.

Trading Dynamics in the Foreign Exchange Market: A Latent Factor Panel Intensity Approach

2012: *25 Jan*, Durham Business School Seminar, Durham, UK; **2009**: *26 Aug*, 64th ESEM, Barcelona, Spain; *17 Jun*, QASS Conference, Queen Mary University of London, London, UK; *21 Mar*, Humboldt–Copenhagen Conference, Berlin, Germany; **2008**: *18 Dec*, ECARES Seminar, Université libre de Bruxelles, Brussels, Belgium; *11 Nov*, CREATES Seminar, Aarhus, Denmark; *3 Oct*, Price, Liquidity and Credit Risks Conference, Konstanz, Germany; *2 Jul*, University of Warwick Seminar, Coventry, UK; *4 Apr*, Complexity in Markets Conference, Coventry, UK; **2007**: *10 Oct*, Verein für Socialpolitik, Munich, Germany; *30 Aug**, 62nd ESEM, Budapest, Hungary; **2006**: *17 Nov*, DFG/CoFE Workshop on Price, Liquidity and Credit Risks, Königsfeld, Germany; *18 Sep**, Helsinki School of Economics and Hanken Seminar, Helsinki, Finland; *26 Jun*, ESF Workshop, Coventry, UK.

An inflated multivariate integer count hurdle model: an application to bid and ask quote dynamics

2007: *31 Aug*, 62nd ESEM, Budapest, Hungary; *21 Jun*, Seminar, Riezlern, Austria; **2006**: *17 Nov*, DFG/CoFE Workshop on Price, Liquidity and Credit Risks, Königsfeld, Germany.

What determines forecasters' forecasting errors?

2015: *4 Jun**, Econometric Conference in Honour of François Laisney, University of Strasbourg, Strasbourg, France; **2014**: *27 Aug**, 66th ESEM, Toulouse, France; *26 Jun**, 1st IAAE, Queen Mary University of London, London, UK; **2013**: *11 Feb**, Lancaster University Seminar, Lancaster, UK; **2011**: *12 May**, University of Leicester Institute of Finance Seminar, Leicester, UK; **2010**: *13 Oct*, 30th CIRET Conference, New York, USA; *25 Aug*, 25th EEA, Glasgow, UK; *26 Jun**, Qualitative Survey Data: New Methods and Applications, Zurich, Switzerland; *2 Feb*, Warwick Business School Workshop, Coventry, UK; **2009**: *4 Mar*, ZEW Expectations Conference, Mannheim, Germany; **2008**: *24 Oct**, Workshop on Complexity and Agent-Based Models in Economics and Finance, Cagliari, Italy; *23 Jun*, 28th International Symposium on Forecasting, Nice, France; *1 Mar**, Meeting of the Econometrics Committee, Verein für Socialpolitik, Rauischholzhausen, Germany; *6 Feb**, University of Konstanz Seminar, Konstanz, Germany; *21 Jan**, Leibniz University Hannover Seminar, Hannover, Germany.

Least Squares Inference on Integrated Volatility and the Relationship Between Efficient Prices and Noise

2009: *25 Sep*, Individual Decision Making, High-Frequency Econometrics and Limit Order Book Dynamics Workshop, Coventry, UK; *12 Jun*, 1st European SoFiE, Geneva, Switzerland.

Disagreement versus uncertainty: Evidence from distribution forecasts

2014: *20 Jun*, 6th IFABS Conference, Lisbon, Portugal; *11 Jun**, Heidelberg University Seminar, Heidelberg, Germany; **2012**: *29 Aug**, 66th ESEM, Málaga, Spain; **2011**: *28 Aug*, 65th ESEM, Oslo, Norway; *14 May**, Humboldt–Copenhagen Conference, University of Copenhagen, Denmark; **2010**: *28 Jun*, Humboldt University Seminar, Berlin, Germany.

Where Do the Joneses Go on Vacation? Social Distance and the Influence of Online Reviews on Product Sales

2011: *10 Jun*, 33rd INFORMS Marketing Science Conference, Houston, USA.

How do individual investors trade?

2010: *9 Sep*, Verein für Socialpolitik, Kiel, Germany.

Cross hedging under multiplicative basis risk

2011: *4 Mar**, 60th Midwest Finance Association, Chicago, USA; **2008**: *4 Jul**, Stockholm School of Economics Seminar, Stockholm, Sweden; **2006**: *27 Oct**, Peking University Guanghua School of Management Seminar, Beijing, China.

An MCMC Approach to Multivariate Density Forecasting: An Application to Liquidity

2013: *18 Sep*, Statistical Week, Berlin, Germany; **2012**: *29 Aug**, 66th ESEM, Málaga, Spain; *21 Jun*, 5th SoFiE, Oxford, UK; *13 Jan*, KIT Seminar, Karlsruhe, Germany; **2011**: *16 Dec*, University of Göttingen Seminar, Göttingen,

Germany; *23 Sep**, Statistical Week, Leipzig, Germany; *7 Sep**, Verein für Socialpolitik, Frankfurt am Main, Germany; *4 Jul**, Frontiers of Finance, Coventry, UK; *22 Jun*, Leibniz University Hannover Seminar, Hannover, Germany; *4 May**, High Frequency Research Training Workshop, Harnack-Haus, Berlin, Germany.

Profiting from Mimicking Strategies in Non-Anonymous Markets

2015: *25 Jun**, 2nd IAAE, Thessaloniki, Greece; **2012**: *29 Aug**, 66th ESEM, Málaga, Spain; *12 Jul**, 11th CRETE Conference, Milos, Greece; *29 Jun**, 21st EFMA, Barcelona, Spain; *21 Jun**, 5th SoFiE, Oxford, UK; **2011**: *15 Dec**, 12th Symposium on Finance, Banking and Insurance, KIT, Karlsruhe, Germany; *4 Jul**, Frontiers of Finance, Coventry, UK; *13 May**, Trans-Atlantic Doctoral Conference, London Business School, London, UK; *5 May**, High-Frequency Finance Workshop, Berlin, Germany.

A Least Squares Regression Realised Covariation Estimation under MMS Noise and Non-Synchronous Trading

2018: *9 Jun**, Financial Econometrics and New Finance Conference, Jinxi Villa, Hangzhou, China; **2017**: *8 Dec**, Zhejiang University Seminar, Hangzhou, China; *25 Aug**, 44th EFA, Mannheim, Germany; *10 Jun**, China Meeting of the Econometric Society, Wuhan, China; *4 Jun**, AMES, Chinese University of Hong Kong; **2015**: *25 Jun*, 2nd IAAE, Thessaloniki, Greece; **2014**: *14 May*, University of Nottingham Seminar, Nottingham, UK; *29 Jan*, King's College London Seminar, London, UK; **2013**: *18 Sep*, Statistical Week, Berlin, Germany; *27 Jun**, 5th IFABS Conference, Nottingham, UK; *29 Jan*, Lancaster University Management School Seminar, Lancaster, UK; **2012**: *20 Nov*, University of Kiel Seminar, Kiel, Germany; *7 Nov*, Manchester Business School Seminar, Manchester, UK; *14 Sep**, Frontiers of Finance, Coventry, UK; *13 Jan*, KIT Seminar, Karlsruhe, Germany; **2011**: *16 Dec*, University of Göttingen Seminar, Göttingen, Germany; **2008**: *31 Aug**, 63rd ESEM, Milan, Italy.

The economic value of volatility timing with realized jumps

2013: *28 Aug**, 67th ESEM, Gothenburg, Sweden; *27 Jun**, 5th IFABS Conference, Nottingham, UK; *28 May**, Warwick Business School Finance Group Research / PhD Workshop, Coventry, UK.

Sell-side analysts' career concerns during banking stresses

2013: *27 Jun**, 5th IFABS Conference, Nottingham, UK.

Uncovering the Benefit of High-Frequency Data in Portfolio Allocation

2015: *24 Feb**, University of Bristol Seminar, Bristol, UK; *2 Feb**, PhD Financial Econometrics Workshop, Lancaster, UK; **2014**: *18 Oct**, 44th FMA, Nashville, USA; *11 Jul**, 8th NUS–RMI Risk Management Conference, Singapore; *28 Jun*, 1st IAAE, London, UK; *7 May**, 1st KoLa Workshop, Lancaster, UK; *29 Apr**, SoFiE–INET Workshop, Cambridge, UK.

Volatility Estimation and Forecasts Based on Price Durations

2020: *20 Dec**, China Econometricians Forum, Shanghai, China; **2018**: *16 Mar**, International Business College, Dongbei University of Finance and Economics Seminar, Dalian, China; **2017**: *2 Jun*, Macroeconomic and Financial Time Series Analysis Workshop, Lancaster, UK; *24 May*, University of Kent Seminar, Canterbury, UK; *22 Mar*, CREATES Seminar, Aarhus, Denmark; *7 Feb**, Cambridge / INET Seminar, Cambridge, UK; **2016**: *25 Aug**, 69th ESEM, Geneva, Switzerland; *1 Jul**, Financial Econometrics and Empirical Asset Pricing Workshop, Lancaster, UK; *23 Jun**, 3rd IAAE, Milan, Italy; *16 Jun**, 9th SoFiE, Hong Kong; *10 Jun*, Bank of England Seminar, London, UK; **2015**: *1 May**, 2nd KoLa Workshop, Konstanz, Germany; *11 Mar*, Henley Business School Seminar, Reading, UK; *2 Feb**, PhD Financial Econometrics Workshop, Lancaster, UK; **2014**: *8 May**, 1st KoLa Workshop, Lancaster, UK.

High-Frequency Volatility Estimation and the Relative Importance of Market Microstructure Variables

2018: *25 May*, Financial Macroeconomics and Econometrics Conference, Brunel, London, UK; *18 Apr**, Alliance Manchester Business School Seminar, Manchester, UK; **2017**: *24 May*, University of Kent Seminar, Canterbury, UK; *22 Mar*, CREATES Seminar, Aarhus, Denmark; **2015**: *27 Jun**, 7th IFABS Conference, Zhejiang University, Hangzhou, China; *25 Jun**, 2nd IAAE, Thessaloniki, Greece; *2 Feb**, PhD Financial Econometrics Workshop, Lancaster, UK.

High-frequency volatility modeling: A Markov-Switching Autoregressive Conditional Intensity model

2017: *26 Jun**, 4th IAAE, Sapporo, Japan; *9 Jun**, Lancaster–Warwick PhD Workshop, Lancaster, UK; *9 Mar**, VieCo Conference, Vienna, Austria; **2016**: *17 Nov**, ESRC North West DTP Job-Market and Employability Event, Liverpool, UK; *30 Jun**, Financial Econometrics and Empirical Asset Pricing Workshop, Lancaster, UK; **2015**: *1 May**, 2nd KoLa Workshop, Konstanz, Germany.

Renewal Based Volatility Estimation

2019: *14 Dec**, 13th CFE–CMStatistics, London, UK; *15 Nov**, 11th French Econometrics Conference, Marseille, France; *14 Aug**, SoFiE Financial Econometrics Summer School, NYU Shanghai, China; *7 Jun**, 3rd Macroeconomic and Financial Time Series Analysis Workshop, Lancaster, UK; *21 Mar*, Financial Econometrics Conference, Nantes,

France; **2018**: *14 Dec**, 12th CFE–CMStatistics, Pisa, Italy; *14 Sep**, Financial Econometrics, Market Microstructure, Limit Order Books and Derivative Markets Workshop, Lancaster, UK; *31 Jul**, 4th KoLa Workshop, Konstanz, Germany; *20 Jun**, 2nd Lancaster–Warwick PhD Workshop, Coventry, UK; *11 Jun**, 11th SoFiE Pre-Conference, Lugano, Switzerland; *30 May**, 1st QFFE Conference, Marseille, France; *4 Apr**, CREATES Seminar, Aarhus, Denmark; **2017**: *17 Dec*, 11th CFE–CMStatistics, London, UK; *6 Oct**, NWSSDTP Doctoral Job-Market and Employability Workshop, Lancaster, UK.

Can Capital Adjustment Costs Explain the Decline in Investment–Cash Flow Sensitivity?

2019: *3 May**, Università Cattolica del Sacro Cuore Seminar, Milan, Italy; *11 Apr**, University of Southern Denmark Seminar, Denmark; *8 Mar**, Bilkent University Seminar, Ankara, Turkey; **2017**: *6 Oct**, NWSSDTP Doctoral Job-Market and Employability Workshop, Lancaster, UK; *27 Jul**, World Finance Conference, Cagliari, Italy; *7 Jul**, 6th Exeter Corporate Finance Conference, Exeter, UK; *3 May**, 3rd KoLa Workshop, Lancaster, UK; *11 Apr**, BAFA, Heriot-Watt University, Edinburgh, UK; **2015**: *2 May**, 2nd KoLa Workshop, Konstanz, Germany.

High-Frequency Covariance Matrix Estimation Using Price Durations

2019: *15 Jun**, AMES, Xiamen, China; **2018**: *17 Aug**, SoFiE Financial Econometrics Summer School, NYU Shanghai, China; **2017**: *3 May**, 3rd KoLa Workshop, Lancaster, UK.

Estimating portfolio risk for tail risk protection strategies

2018: *1 Jul**, IFABS Conference, Porto, Portugal; *15 Jun**, 22nd FMA European Conference, Kristiansand, Norway; *24 Apr**, 1st Frontiers of Factor Investing Conference, Lancaster, UK; **2017**: *19 Dec**, Paris Financial Management Conference, Paris, France; *5 Oct**, Applied Econometrics Doctoral Workshop, Strasbourg, France; *26 Sep**, 8th CEQURA Conference, Munich, Germany; *30 Jun**, Invesco Quantitative Strategies Global Research Meeting, Boston, USA; *2 May**, 3rd KoLa Workshop, Lancaster, UK.

Volatility Estimation and Sampling Efficiency: An Intrinsic Time Approach

2020: *20 Dec**, 14th CFE–CMStatistics.

Dissecting Volatility Risks in Currency Markets

2016: *22 Oct**, FMA, Las Vegas, USA; *14 Jun**, 9th SoFiE Pre-Conference, City University of Hong Kong, Hong Kong.

The relevance of high-frequency news analytics for lower-frequency investment strategies

2021: *28 Jan**, 2nd Frontiers of Factor Investing Conference, Lancaster University, UK; **2018**: *4 Oct**, 9th CEQURA Conference, Munich, Germany.

Combining expected shortfall and value-at-risk forecasts using machine learning techniques

2022: *11 Jun**, 11th FEBS Conference, Portsmouth, UK; **2019**: *24 Sep**, 10th CEQURA Conference, Munich, Germany.

A generalized heterogeneous autoregressive model using market information

2021: *28 Jan**, 2nd Frontiers of Factor Investing Conference, Lancaster University, UK; **2018**: *15 Dec**, 12th CFE–CMStatistics, Pisa, Italy.

Revisiting the Measurement Error in q: An Investigation of the Covariance among Regressors

2020: *18 Sep**, FIRN Women Seminar.

Bolstering the Modelling and Forecasting of Realized Covariance Matrices using (Directional) Common Jumps

2021: *2 Jul**, China Meeting of the Econometric Society, Shanghai, China; *25 Jun**, AMES, Curtin Malaysia; *23 Jun**, 7th IAAE, Rotterdam, Netherlands; *16 Jun**, 13th SoFiE, UC San Diego, USA; *12 Jun**, North American Summer Meeting of the Econometric Society, Montréal, Canada; *4 Jun**, Africa Meeting of the Econometric Society.

A Descriptive Study of High-Frequency Trade and Quote Option Data

2021: *28 Jan**, 2nd Frontiers of Factor Investing Conference, Lancaster University, UK; **2019**: *15 Dec**, 13th CFE–CMStatistics, London, UK.

Parametric risk-neutral density estimation via finite lognormal-Weibull mixtures

2021: *21 Apr**, Econometrics of Option Markets Workshop, University of Vienna, Austria.

Dynamic Portfolio Choice: Balancing Forecasting Risk

2019: *14 Dec**, 13th CFE–CMStatistics, London, UK; *1 Jul**, KoLa Workshop, Manchester, UK; *4 Feb**, University of Konstanz Seminar, Konstanz, Germany; **2018**: *14 Dec**, AMBS Christmas Research Event, Manchester, UK; *11*

*Sep**, Statistical Week, Linz, Austria; *31 Jul**, 4th KoLa Workshop, Konstanz, Germany.

Direct Portfolio Weight Estimator: Mitigating Specification Risk with Realized Utility

2022: *30 Oct*, DigITS, Woxsen University, India; *24 Aug*, 74th ESEM, Bocconi University, Milan, Italy; *30 Jun*, 31st EFMA, Rome, Italy; *26 Jun**, 14th SoFiE, Cambridge, UK; *23 Jun**, 8th IAAE, King's College London, UK; *17 Jun**, 4th QFFE Conference, Marseille, France; *2 Jun**, VieCo Conference, Copenhagen, Denmark; *1 Apr*, University of Liverpool Seminar, Liverpool, UK.

A Linear Weight Estimator for Dynamic Global Minimum Variance Portfolio Allocation

2025: *10 Jun**, 17th SoFiE, Paris, France; **2024**: *26 Apr**, 4th Frontiers of Factor Investing Conference, Lancaster, UK.

Factor Timing with Portfolio Characteristics

2022: *22 Oct**, FMA, Atlanta, USA; *15 Sep**, 3rd Frontiers of Factor Investing Conference, Lancaster, UK; *30 Jun**, 31st EFMA, Rome, Italy; *16 Jun**, 4th QFFE Conference, Marseille, France; *12 Jun**, 11th FEBS Conference, Portsmouth, UK; *10 May**, INQUIRE UK Seminar, Down Hall, Essex, UK; **2021**: *10 Dec**, Lancaster University Management School Seminar, Lancaster, UK; *1 Dec**, Alliance Manchester Business School Seminar, Manchester, UK; *22 Jun**, 6th KoLaMaFr Workshop; *29 Jan**, 2nd Frontiers of Factor Investing Conference, Lancaster University, UK; **2020**: *12 Mar**, Joint CMAF–EMP Research Workshop, Lancaster, UK.

The risk of falling short: implementation shortfall variance in portfolio construction

2023: *30 Jun**, Robeco Seminar, Rotterdam, Netherlands; *30 Jun**, Invesco Quantitative Strategies Seminar, Frankfurt am Main, Germany; **2022**: *12 Jun**, 11th FEBS Conference, Portsmouth, UK; *3 Jun**, VieCo Conference, Copenhagen, Denmark; **2021**: *28 Jan**, 2nd Frontiers of Factor Investing Conference, Lancaster University, UK; **2020**: *12 Mar**, Joint CMAF–EMP Research Workshop, Lancaster, UK.

Transaction Cost–Optimized Equity Factors around the World

2023: *26 Apr**, JPM Macro Quantitative & Derivatives Conference, London, UK; *17 Feb**, Robeco Seminar, Rotterdam, Netherlands; *26 Jan**, INQUIRE UK Seminar, FTSE Russell, London, UK; **2022**: *7 Oct**, 13th CEQURA Conference, Munich, Germany; *16 Sep**, 3rd Frontiers of Factor Investing Conference, Lancaster, UK.

Testing for jumps in a discretely observed price process with endogenous sampling times

2023: *14 Apr**, 25th Dynamic Econometrics Conference, Bayes Business School, London, UK; **2022**: *7 Jul**, Australasian Meeting of the Econometric Society; *28 Jun**, 34th Asian Finance Association; *28 Jun**, Volatility, Jumps and Bursts Workshop, Lancaster, UK; *27 Jun**, 14th SoFiE, Cambridge, UK; *23 Jun**, AMES (China); *23 Jun**, 8th IAAE, King's College London, UK; *16 Jun**, 4th QFFE Conference, Marseille, France; *5 Jun**, 5th EcoSta Conference, Ryukoku University, Kyoto, Japan; *12 May**, Economics of Financial Technology Conference, Edinburgh, UK; *7 May**, Conference on Intrinsic Time in Finance, Allensbach, Germany; *31 Mar**, 23rd Workshop on Quantitative Finance, University of Rome Tor Vergata, Italy; *23 Feb**, Lancaster University Seminar, Lancaster, UK; *14 Jan**, University of Reading Seminar, Reading, UK; **2021**: *17 Nov**, Alliance Manchester Business School Seminar, Manchester, UK; *19 Jul**, University of Freiburg Seminar; *21 Jun**, 6th KoLaMaFr Workshop; **2020**: *20 Dec**, 14th CFE–CMStatistics.

The Maximal Range-Return Divergence Statistic

2023: *1 Jul**, AMES (China), Tsinghua University, Beijing, China; *16 Jun**, 15th SoFiE, Seoul, South Korea; *30 Mar**, Financial Econometrics Conference, Lancaster, UK; *7 Feb**, University of Groningen Seminar, Groningen, Netherlands; **2022**: *16 Sep**, Singapore Management University Workshop, Singapore; *28 Jun**, Volatility, Jumps and Bursts Workshop, Lancaster, UK; *5 Jun**, 5th EcoSta Conference, Ryukoku University, Kyoto, Japan.

Realized candlestick wicks

2025: *4 Mar**, University of Oxford Seminar, Oxford, UK; *31 Jan**, Alliance Manchester Business School Seminar, Manchester, UK; **2024**: *13 Dec**, 5th International Symposium on Interval Data Modelling, Beijing, China; *18 Nov**, Man AHL / Man Group Seminar, London, UK; *3 Nov**, 22nd Conference on International Exchange of Professionals, Shanghai, China; *22 Oct**, Oxford-Man Institute of Quantitative Finance Seminar, Oxford, UK; *20 Sep**, NBER–NSF Time Series Conference, Philadelphia, USA; *16 Sep**, 1st Conference on Econometrics with Data Science, Reading, UK; *27 Aug*, 76th ESEM, Erasmus University Rotterdam, Netherlands; *15 Jun**, 16th SoFiE, PUC-Rio, Rio de Janeiro, Brazil; *18 Apr**, Workshop for Junior Researchers in Time Series, VTSS; *11 Mar**, EDHEC Seminar, EDHEC Business School, Lille, France; *31 Jan**, University of Nottingham Seminar, Nottingham, UK; **2023**: *17 Dec**, 17th CFE–CMStatistics, Berlin, Germany; *20 Nov**, 3rd International Econometrics PhD Conference, Erasmus University Rotterdam, Netherlands; *2 Aug**, 6th EcoSta Conference, Waseda University, Tokyo, Japan; *29 Jul**, AMES (East and Southeast Asia), NTU, Singapore; *30 Jun**, AMES (China), Beijing, China; *27 Jun*, 9th IAAE, Oslo, Norway; *8 Jun**, 5th QFFE Conference, Aix-Marseille School of Economics, Marseille, France; *28 Apr**, Lancaster University Seminar, Lancaster, UK; *29 Mar**, Financial Econometrics Conference, Lancaster, UK.

Power Sorting

2026: *29 Jun**, FMARC, Ayia Napa, Cyprus; **2025**: *19 Mar**, UBS Quant, Evidence Lab and HOLT Conference, UBS, 5 Broadgate, London, UK; **2024**: *26 Jun**, 33rd EFMA, Lisbon, Portugal; *13 Jun**, FMA European Conference, Turin, Italy; *26 Apr**, 4th Frontiers of Factor Investing Conference, Lancaster, UK; **2023**: *8 Nov**, INQUIRE UK Seminar; *25 Oct**, University of St Andrews Business School Seminar, St Andrews, UK; *21 Sep**, CQA Academic Competition, Chicago, USA; *30 Jun**, Robeco Seminar, Rotterdam, Netherlands; *11 May**, Joint LUMS–TSM–WHU PhD Workshop, Vallendar, Germany; *31 Mar**, Financial Econometrics Conference, Lancaster, UK; *15 Mar**, Lancaster University Seminar, Lancaster, UK.

Volatility Forecasting Factors

2026: *14 May*, 9th Wolfe Research European Quantitative and Macro Investment Conference, London, UK; *16 Apr**, 5th Frontiers of Factor Investing Conference, Lancaster, UK; **2025**: *3 Dec**, Workshop on Smart Finance for a Greener Future, Vilnius, Lithuania; *11 Sep**, 2nd Financial Fraud, Misconduct and Market Manipulation Conference, Lancaster, UK; *17 Jun**, Lancaster–Manchester–Warwick–Oxford PhD Workshop, Lancaster, UK; **2024**: *13 May**, Lancaster–Manchester–Warwick PhD Workshop, Warwick Business School, Coventry, UK; **2023**: *24 May**, Lancaster–Manchester PhD Workshop, Lancaster, UK; *30 Mar**, Financial Econometrics Conference, Lancaster, UK.

The Impact of Misleading Corporate Communication on Stock Performance

2024: *25 Jun**, 17th International Risk Management Conference, Bocconi University, Milan, Italy; *1 Jun**, 8th Shanghai–Edinburgh–London–Cape Town Green Finance and Accounting Conference / 12th SIIFC; *13 May**, Lancaster–Manchester–Warwick PhD Workshop, Warwick Business School, Coventry, UK; *24 Apr**, 4th Frontiers of Factor Investing Conference, Lancaster, UK.

The Price of Emissions: Carbon Risk in the European Equity Market

2026: *25 Aug**, 9th GRASFI, HEC Liège, Belgium; *16 Jun**, CEMA, ESSEC, Cergy, France; *11 Jun**, FMA European Conference, Braga, Portugal; *16 Apr**, 5th Frontiers of Factor Investing Conference, Lancaster, UK; *3 Feb**, INQUIRE UK Seminar, London, UK; *3 Jan**, AFA, Loews Philadelphia Hotel, Philadelphia, USA; **2025**: *12 Dec**, AFFI Sustainable Finance Forum, emlyon Business School, Paris, France; *5 Dec**, Workshop on Smart Finance for a Greener Future, Vilnius, Lithuania; *20 Nov**, 8th EU PAB Developer Community Workshop; *12 Aug**, Accounting and Accountability for Climate Change Conference, Vaasa, Finland; *1 Aug**, Robeco Seminar, Rotterdam, Netherlands.

The Frequency Term Structure of Factor Premia

2026: *15 Apr**, 5th Frontiers of Factor Investing Conference, Lancaster, UK; **2025**: *17 Jun**, Lancaster–Manchester–Warwick–Oxford PhD Workshop, Lancaster, UK.

(Near) Real-Time Detection of Rapid Co-Movements with Candlestick Information

2025: *2 Dec**, Workshop on Smart Finance for a Greener Future, Vilnius, Lithuania; *17 Jun**, Lancaster–Manchester–Warwick–Oxford PhD Workshop, Lancaster, UK.

Teaching Experience

2018-2026	Financial Econometrics, (20-40 students), Master Level, (3 hours per week), Lancaster University Management School
2016-2025	Quantitative Methods for Finance, (130-250 students), Master Level, (3 hours per week), Lancaster University Management School
2024-2025	Introduction to Quantitative Methods for Finance, (130-200 students), Master Level, (3 hours per week), Lancaster University Management School
2015-2026	Advanced Quantitative Methods, (5-15 students), PhD Level, (2 hours per week), Lancaster University Management School
2013-2017	Quantitative Finance, (20-60 students), Bachelor Level, (4 hours per week), Lancaster University Management School
2008-2016	Advanced Quantitative Methods for Finance, (10-20 students), PhD Level, (4 hours per week), Warwick Business School, University of Warwick
2016	Advanced Financial Markets and Investment Management, (15 students), Master Level, (3 hours per week), Lancaster University Management School
2014	Advanced Research Methods, (10 students), MRes Level, (2 hours per week), Lancaster University Management School
2014	Advanced Finance: Methods, (5 students), PhD Level, (2 hours per week), Lancaster University Management School

2014	Introduction to MATLAB, (120 students), Master Level, (2 hours per week), Lancaster University Management School
2013	Advanced Finance, (10 students), PhD Level, (2 hours per week), Lancaster University Management School
2012-2013	Foundations of Finance, (400-420 students), Bachelor Level, (2 hours per week), Warwick Business School, University of Warwick
2010-2011	Foundations of Accounting and Finance - Financial Management, (280-370 students), Bachelor Level, (2 hours per week), Warwick Business School, University of Warwick
2012	Econometrics, (6 students), PhD Level, (4 hours per week), Warwick Business School, University of Warwick
2012	Microeconomics, (6 students), PhD Level, (2 hours per week), Warwick Business School, University of Warwick
2010	Microeconometrics, (25 students), Master & PhD Level, (3 hours per week), Department of Economics, University of Konstanz
2006-2008	Financial Econometrics, (40-60 students), Master Level, (3 hours per week), Department of Economics, University of Konstanz
2007	Quantitative Analysis with GAUSS (20 students), Master Level, (2 hours per week), Department of Economics, University of St. Gallen
2004-2006	Tutor in Econometrics I, (20-30 students), Bachelor Level, (2 hours per week), Department of Economics, University of Konstanz
2003-2008	Tutor in Financial Econometrics, (40-60 students), Master Level, (4 hours per week), Department of Economics, University of Konstanz
2001-2002	Tutor in Stochastic, (20 students), Bachelor Level, (2 hours per week), Department of Mathematics, University of Konstanz