

EDUCATION

National University of Singapore

Research visit

- Host: Professor Zhou Chao (Department of Mathematics)

Singapore

January 11 to 29 2023

Humboldt Universität zu Berlin

PhD Student in Statistics

- Research institution: International Research Training Group 1792 (IRTG1792)
- Advisor: Professors Dr. Wolfgang Karl Härdle (HUB), Cathy Yi-Hsuan Chen (University of Glasgow)
- Research interest: Blockchain analytics, digital economy and humanities

Berlin, Germany

October 2019 to Present

Humboldt Universität zu Berlin

Exchange Student, School of Business and Economics

Berlin, Germany

September 2017 to July 2018

National Tsing Hua University

Master of Science, Industrial Engineering and Engineering Management

- GPA: 4.25 / 4.30
- Thesis: A quantile-based simulation-optimisation framework for stochastic resource allocation problems
- Member of the Phi Tau Phi Scholastic Honour Society of the Republic of China (Top 1%)

Hsinchu, Taiwan

September 2015 to July 2018

National Yunlin University of Science and Technology

Bachelor of Business Administration, International Management

- Module: Industrial Engineering and Management
- GPA: 3.95 / 4.00
- Member of the Phi Tau Phi Scholastic Honour Society of the Republic of China (Top 1%, ranked 1/65)

Yunlin, Taiwan

September 2011 to June 2015

WORKING PAPERS

Lin MB, Chen CYH (2021-22) The role of blockchain in crypto — A ruler or server

Wang BL, Lin MB, Härdle WK (2023) Non fungible tokens and VizTech

Lin MB, Guarino VE, Chen CYH (2023) Digitalizing beauty: On NFT art and its price

PUBLICATIONS

Lu WB, YF Wang, Ren R, Lin MB (2022) Cross-exchange Crypto Risk A High-frequency Dynamic Network Perspective (planned to JFE)

Lin MB, Wang BL, Bocart YRP F, Hafner C, Härdle WK (2021-22) 代 DAI Digital Art Index (submitted)

Goel A, Lin MB (2022) Resource Requirements in Business Process Modelling from an Operations Management Perspective. In *24th IEEE International Conference on Business Informatics: CBI Forum*, Amsterdam, Netherland, June 15-17. DOI 10.1109/CBI54897.2022.10047

Lin MB, Khowaja K, Chen CYH, Härdle WK (2020) Blockchain mechanism and distributional characteristics of cryptos. *Book Series: Advances in Quantitative Analysis of Finance & Accounting*, 18. DOI: 10.6293/AQAFA.202112_(18).0006

Ihde S, Pufahl L, Lin MB, Goel A, Weske M (2019) Optimized Resource Allocations in Business Process Models. In *International Conference on Business Process Management* (pp. 55-71), Springer, Cham. DOI: 10.1007/978-3-030-26643-1_4

Lin MB, Chen TL, Chen James C (2022) A Self-Adaptive Niching Genetic Algorithm with Elite-Successor Local Search for Quantile-based Stochastic Discrete Resource Allocation Problems. Lab Paper

Chen J C, Chen TL, Lin MB (2017) Solving a quantile-based stochastic resource allocation problem in the footwear manufacturing industry. Lab paper

CONFERENCES

2022 November 24-25: *Human vision / computer vision: Making sense of art*, Loughborough University and The British Academy. Digitalizing beauty: On NFT art and its price

2022 August 01-03: *Singapore Economic Review Conference*, Singapore. Digitalizing beauty: On NFT art and its price

2022 June 20-21: *Advances in Data Science and AI Conference*, Manchester, UK. Digitalizing beauty: On NFT art and its price (poster).

2022 April 07-08: *CryptoAssets and Digital Asset Investment Conference*, Rennes, France. Digitalizing beauty: On NFT art and its price

2022 April 07-08: *CryptoAssets and Digital Asset Investment Conference*, Rennes, France. 代 DAI Digital Art Index

2021 June 17: *European Supervisor Education Initiative (ESE): Crypto/Blockchain - Suptech workshop*. Blockchain technology: An introduction

2021 May 17: *SupTech event on Blockchain and Cyber Risk Management, Fin-tech EU Horizon 2020*. What is Blockchain

2018 April 01-03: *International Symposium on Business and Management*, Osaka, Japan. Solving a quantile-based stochastic resource allocation problem with simulation-optimization method (distinguished paper award)

2017 June 25-28: *International Conference on Advanced Technology Innovation 2017 (ICATI2017)*, Samui, Thailand. A three-phase optimization method for quantile-based stochastic resource allocation problems

2016 January 10: *19th Decision Analysis Symposium (DAS2016)*, Hsinchu, Taiwan. The evaluation model for selecting honeymoon destinations

WORK & LEADERSHIP EXPERIENCE

Humboldt Universität zu Berlin

Research Assistant

Berlin, Germany

October 2019 to Present

Project proposal:

- *FaRoBlockNet: Future and Risk of Blockchain-Based Networks* (FET Open, European Commission)
- *eXplainable AI in blockchain analytics* (ZIM program, BMWi)
- *Measuring Coronavirus SARS-CoV-2 driven Risk and Uncertainty via FRM the financial risk meter* (Dr. Hans Riegel Foundation)
- *DAKP Digital Asset Knowledge Proliferation* (AIDF, Singapore)
- *IDA Institute of Digital Assets* (Romania's National Recovery and Resilience Plan)

Course: DEDA-Digital Economy and Decision Analytics SS21 and WS 21/22

Handbook chapters: Introduction to Blockchain Technology, Introduction to NFT (ongoing)

PR for Blockchain Research Center (2020–21)

Assistance to journal management: Digital Finance (2019-20)

Kühne Logistics University

Research Assistant in Logistics and Supply Chain Management

Hamburg, Germany

September 2018 to September 2019

- Advisor: Professor Dr. Asvin Goel
- Research area: Business process modelling, resource allocation and scheduling, simulation optimisation

Master Hill Electric Wire & Cable Co., Ltd.

Shenzhen, China

Production Management, Intern

March to June 2015

- Analysed the lightning cable production line and developed a quality improvement plan
- Standardised manufacturing operations in sync with employee training
- Tested the reliability of lightning cable products
- Assisted with automation of the production line

Sunny Wheel Industrial Co., Ltd.

Changhua, Taiwan

Production Management, Intern

August 2014

- Optimised the storage layout of plastic materials for bicycle components
- Redesigned the material handling process to enhance inventory accuracy

GKB Security Corporation.

Bangkok, Thailand

Marketing Assistant, Intern

July to August 2013

SCHOOL PROJECTS & ACTIVITIES

Chicony Power Technology Co., Ltd

New Taipei, Taiwan

Lean Production Project

2015 to 2017

- Simulated motor production lines via Flexsim and lean tools
- Estimated product cost of motors via activity based costing
- Wrote standard operating procedures for motor manufacturing

Ministry of Science and Technology (MOST)

Taiwan

Footwear Manufacturing Simulation

2015 to 2017

Advanced Manufacturing Technologies: Lean Production and Management

2015 to 2017

National Tsing Hua University: Teaching Assistant

Production and Operations Management

February to June 2015 & 2017

Lean Management

September to January 2016

MISCELLANY

Languages

Mandarin Chinese • Taiwanese • English • German (A2)

Technologies

C • R • Python • Matlab • Flexsim • Arena • Netlogo (ABM)

Certifications

e-Enterprise Application Engineer-ERP Distribution module (Data Systems)

Interests

Traveling • Reading • Jogging • Indie music • Painting

Activities

Volunteer education project (AIESEC) and Yunlin farmers market