Zhengchao Wang,

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(*Last updated: September 2024*)

EDUCATION

Imperial College Business School	2020 – 2025 (expected)

Ph.D. Candidate in Analytics and Operations
  Advisors: Wolfram Wiesemann and Heikki Peura

M.Res. in Analytics and Operations (*Distinction*)	2019 – 2020
École Polytechnique Fédéral de Lausanne	2015 – 2017

M.S. in Energy Management and Sustainability

Harbin Institute of Technology	2010 – 2014

B.Eng. in Civil Engineering

Exchange at Hanyang University, South Korea	2012 – 2013

RESEARCH

REFEREED JOURNAL PAPERS:

Randomized Assortment Optimization
with Heikki Peura and Wolfram Wiesemann
Operations Research, 2024

WORKING PAPERS:

From Data to Donations: Optimal Fundraising Campaigns for Non-Profit Organizations
with Heikki Peura, Sven Mikolon, and Wolfram Wiesemann
Job market paper

Robust Adaptive Experiment Design over Finite Horizons
with Daniel Kuhn, Heikki Peura, and Wolfram Wiesemann

Regret-Minimizing Assortment Optimization
with Zhi Chen and Yi-Chun Akchen

OTHER PUBLICATIONS:

Towards Realization of an Energy Internet: Designing Distributed Energy Systems using Game-theoretic Approach
with A.T.Dasun Perera, Vahid Nik, and Jean-Louis Scartezzini
Applied Energy, 2021

Integrated Platform to Design Robust Energy Internet
with A.T. Dasun Perera
Applied Energy, 2020

Understanding Pedestrian Behavior: From Data to Management Strategies
with Michel Bierlaire, Riccardo Scarinci, Merry Nikolic, Yuki Oyama, and Nicolas Molyneaux
Routledge Handbook of Urban Mobility, June 2020

CONFERENCE PROCEEDINGS:

Robust Optimization of Power Grid with Distributed Generation and Improved Reliability
with A.T.Dasun Perera
REM2018: Renewable Energy Integration with Mini/Microgrid (Invited for journal submission)

Integrate Charging Station Optimization for Electric Taxis
with Yuki Oyama, Michel Bierlaire, Nikolaos Geroliminis
19*th Swiss Transport Research Conference*

Pedestrian Activity Schedule Models: Review and Promises
with Yuki Oyama, Riccardo Scarinci, Michel Bierlaire, Nikolaos Geroliminis
18*th Swiss Transport Research Conference*

TEACHING

Imperial College Business School
Teaching Assistantship

- *Data Structures and Algorithms* — Fall 2020, 2021, 2022, 2023
  Financial Technology master program
  Risk Management and Financial Engineering master program
  Business Analytics (online) master program
- *Optimisation and Decision Models* — Spring 2022, 2023, 2024
  Business Analytic (online) master program
- *Business Analytics Electives* — Summer 2021, 2022, 2024
  Management and MBA suite programs

École Polytechnique Fédérale de Lausanne
Teaching Assistantship

- *Optimization and Simulation* — Spring 2019
  PhD program
- *Introduction to Optimization and Operations Research* — Fall 2017, 2018
  Undergraduate program

AWARDS AND HONORS

Fully Funded Next-Gen Scholar's Symposium, NUS, Singapore	2024
Sustainability Endowment, Imperial College & University College London, Sargent Center	2024
Travel grant, Imperial College & University College London, Sargent Center	2024
Fully Funded Rising Star Workshop, Stanford University, MS&E Department	2023
PhD Paper Award runner-up, Imperial College Business School	2023
President's PhD Scholarship, Imperial College London	2020 – 2024
Graduate Student Fellowship, Imperial College Business School	2019

PRESENTATIONS

"From Data to Donations: Optimal Fundraising Campaigns for Non-Profit Organizations"
- MSOM Conference, Minneapolis, MN, July 2024
- Imperial College President's PhD Scholar Symposium, London, UK, May 2024

"Optimal Campaigning for Non-profit Organizations"
- INFORMS Annual Conference, Phoenix, AZ, October 2023
- Rising Star Workshop at MS&E Department, Stanford University, CA, May 2023

"Randomized Assortment Optimization"
- Next-Gen Scholar's Symposium, Singapore, August 2024
- POMS-HK, Hong Kong, China, January 2024
- RMP Section Conference, London, UK, July 2023
- MSOM Conference, Montréal, Canada, June 2023
- London Operations Research PhD Seminar Series, London, UK, June 2023
- INFORMS Annual Conference, Indianapolis, IN, October 2022
- Transatlantic Doctoral Conference, London, UK, May 2022
- ICBS Operations Research PhD Seminars, London, UK, May 2022
- The 63*th* OR Society's Annual Conference, Virtual, June 2021

Professional Activities

Ad-hoc journal referee for *Operations Research*, *Operations Research Letters*, *Applied Energy*
Ad-hoc conference referee for *NeurIPS*, *ICML*, *ICLR*

Work Experience

Intern, International Renewable Energy Agency, Abu Dhabi, UAE	July - September 2016
Research Assistant, Transport and Mobility Laboratory, Lausanne, Switzerland	2017 – 2019

Languages

Mandarin (native), English (fluent), French (beginner), Korean (beginner)

References

Wolfram Wiesemann

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Imperial College Business School
Email: ww@imperial.ac.uk

Heikki Peura

Associate Professor of Information & Service Management
Aalto University School of Business
Email: heikki.peura@aalto.fi

Daniel Kuhn

Professor of Operations Research
College of Management of Technology at EPFL
Email: daniel.kuhn@epfl.ch