

# Zhengchao Wang,

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(Last updated: September 2024)

## EDUCATION

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<b>Imperial College Business School</b> Ph.D. Candidate in Analytics and Operations <i>Advisors:</i> Wolfram Wiesemann and Heikki Peura	2020 – 2025 (expected)
M.Res. in Analytics and Operations ( <i>Distinction</i> )	2019 – 2020
<b>École Polytechnique Fédéral de Lausanne</b> M.S. in Energy Management and Sustainability	2015 – 2017
<b>Harbin Institute of Technology</b> B.Eng. in Civil Engineering	2010 – 2014
Exchange at Hanyang University, South Korea	2012 – 2013

## RESEARCH

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### REFEREED JOURNAL PAPERS:

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

### 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

19th Swiss Transport Research Conference

## **Pedestrian Activity Schedule Models: Review and Promises**

with Yuki Oyama, Riccardo Scarinci, Michel Bierlaire, Nikolaos Geroliminis

18th Swiss Transport Research Conference

## TEACHING

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### **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 Analytic (online) master program
- *Optimisation and Decision Models* Spring 2022, 2023, 2024  
Business Analytic (online) master program
- *Business Analytic 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

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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

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### **“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 63th OR Society's Annual Conference, Virtual, June 2021

## PROFESSIONAL ACTIVITIES

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

## WORK EXPERIENCE

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

## LANGUAGES

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

## REFERENCES

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### **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