

# Zhengchao Wang,

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(Last updated: 07/2024)

## EDUCATION

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<b>Imperial College Business School</b>	2020–
Ph.D. Candidate in Analytics and Operations (advisors: Wolfram Wiesemann and Heikki Peura)	
M.Res. in Analytics and Operations (Distinction)	2019 – 2020
<b>École Polytechnique Fédéral de Lausanne</b>	2015 – 2017
M.S. in Energy Management and Sustainability	
<b>Harbin Institute of Technology</b>	2010 – 2014
B.Eng. in Civil Engineering	
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

**Robust Adaptive Experiment Design in Finite Horizon**  
with Daniel Kuhn, Heikki Peura, and Wolfram Wiesemann

**Regret Minimized 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, 269 114942.

**Integrated Platform to Design Robust Energy Internet.**  
with A.T. Dasun Perera.  
*Applied Energy* 2020, 283 116349.

**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 PROCEEDING:

**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)

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

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

18<sup>th</sup> *Swiss Transport Research Conference*.

## **Integrate Charging Station Optimization for Electric Taxis**

with Yuki Oyama, Michel Bierlaire, Nikolaos Geroliminis.

19<sup>th</sup> *Swiss Transport Research Conference*.

## TEACHING

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### **Imperial College Business School**

#### Teaching Assistantship

- Data Structures and Algorithms for Financial Technology, Risk Management and Financial Engineering and Business Analytic programs 2020, 2021, 2022, 2023 Fall
- Optimisation and Decision Models for Business Analytic program 2022, 2023, 2024 Spring
- Business Analytic Electives for Management and MBA suite program 2021, 2022, 2024 Summer

### **École Polytechnique Fédérale de Lausanne**

#### Teaching Assistantship

- Optimization and Simulation for PhD 2019 Spring
- Introduction à L'optimisation et la Recherche Opérationnelle for Bachelor 2017, 2018 Spring

## AWARDS AND HONORS

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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
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
Excellent Exchange Student Scholarship, Harbin Institute of Technology.	2013
Outstanding Student Scholarship (Top 5%), Harbin Institute of Technology.	2011, 2012
National Encouragement Scholarship (Top 3%), Harbin Institute of Technology.	2012
Silver Medal, Mathematical Modelling of Northeastern China League.	2011
Silver Medal, Third Mathematics Competition of Chinese College Student (Non-math major).	2011

## PRESENTATIONS

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### **“From Data to Donations: Optimal Fundraising Campaigns for Non-Profit Organizations”**

- MSOM Conference, Minneapolis, MN, 07/2024.
- Imperial College President's PhD Scholar Symposium, London, UK, 05/2024.

### **“Optimal Campaign for Non-profit Organizations”**

- INFORMS Annual Conference, Phoenix, AZ, 10/2023.
- Rising Star Workshop at MS&E Department, Stanford University, CA, 05/2023.

### **“Randomized Assortment Optimization”**

- Next-Gen Scholar's Symposium, Singapore, 08/2024.
- POMS-HK, Hong Kong, China, 01/2024.
- RMP Section Conference, London, UK, 07/2023.
- MSOM Conference, Montréal, Canada, 06/2023.
- London Operations Research PhD Seminar Series, London, UK, 06/2023.
- INFORMS Annual Conference, Indianapolis, IN, 10/2022.
- Transatlantic Doctoral Conference, London, UK, 05/2022.
- ICBS Operations Research PhD Seminars, London, UK, 05/2022
- The 63-th OR Society's Annual Conference, Virtual, 06/2021

## 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*.

## WORKING EXPERIENCE

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Software Engineer, Shanghai Tonghao Civil Engineering Consulting Co., Ltd., Shanghai, China.	February – July 2015
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).