

# Zhengchao Wang,

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(Last updated: 01/2024)

## BACKGROUND

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<b>Imperial College Business School</b> Ph.D. Candidate in Operations Research (advisors: Wolfram Wisemann and Heikki Peura)	2019 –
<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

## RESEARCH

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### WORKING PAPERS:

**Non-parametric Learning of Campaign Strategy for Non-Profit Organizations**

**Optimization Based Differential Private Reinforcement Learning**

### REFEREED JOURNAL PAPERS:

**Randomized Assortment Optimization**

with Heikki Peura and Wolfram Wiesemann.

*Operations Research*, forthcoming.

**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*.

**Integrated Platform to Design Robust Energy Internet.**

with A.T. Dasun Perera.

*Applied Energy*.

### BOOK CHAPTER:

**Understanding Pedestrian Behavior: from Data to Management Strategies**

with Michel Bierlaire, Riccardo Scarinci, Merry Nikolic, Yuki Oyama, Nicolas Molyneaux.

*Routledge Handbook of Urban Mobility*.

### REFEREED CONFERENCE PAPERS:

**Robust Optimization of Power Grid with Distributed Generation and Improved Reliability**

with A.T.Dasun Perera.

*REM2018: Renewable Energy Integration with Mini/Microgrid*.

**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 Structure and Algorithm 2020, 2021, 2022, 2023 Fall
- Optimisation and Decision Models 2022, 2023, 2024 Spring

## AWARDS AND HONORS

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- President Scholarship, Imperial College. 2020-2024
- Graduate Student Fellowship, Imperial College Business School. 2019
- Excellent Exchange Student Scholarship, Harbin Institute of Technology. 2013
- Outstanding Student Scholarship, Harbin Institute of Technology. 2011, 2012
- National Encouragement Scholarship, Harbin Institute of Technology. 2012
- Sliver Medal, Mathematical Modelling of Northeastern China League. 2011
- Sliver Medal, Third Mathematics Competition of Chinese College Student (Non-math major). 2011

## PRESENTATIONS

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### “The Akward Art of Asking: Optimal Fundraising for Non-profit Organization”

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

### “Randomized Assortment Optimization”

- POMS-HK, Hong Kong, China, 01/2024.
- RMP Section Conference, London, UK, 07/2023.
- MSOM Annual 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.

## 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*.

## LANGUAGES

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