

# Zhengchao Wang

Imperial College London, Business School  
Department of Analytics, Marketing & Operations,  
Business School Building, South Kensington Campus  
London SW7 2AZ, UK  
Email: z.wang19@imperial.ac.uk  
Homepage: <https://zhengchaowang.github.io/>

## Personal:

Born on August 22, 1992.  
China Citizen.

## Education

Ph.D. Operation and Management, Business School, Imperial College London, 2019-  
Supervisor: Professors Wolfram Wiesemann and Heikki Peura  
M.S. Energy Management & Sustainability, École polytechnique fédérale de Lausanne, 2015-2017  
B.S. Civil Engineering, School of Civil Engineering, Harbin Institute of Technology, 2010-2014

## Research Interests

Robust and Stochastic Optimization, Statistical Learning,  
Revenue Management

## Working Papers

Wang, Z., Peura, H. and Wiesemann, W., Randomized Assortment Optimization.  
Minor revision at *Operations Research*

## Works in Progress

Optimal campaign strategy for non-profit organization  
Risk minimized assortment optimization  
Optimization based differential private reinforcement learning

## Publications

Perera, A.T.D., Nik, V., Wang, Z., and Scartezzini, J.L., 2021. Towards Realization of an Energy Internet: Designing Distributed Energy Systems using Game-theoretic Approach. *Applied Energy*  
Wang, Z., and Perera, A.T.D., 2020. Integrated Platform to Design Robust Energy Internet. *Applied Energy*  
Bierlaire, M., Scarinci, R., Nikolic, M., Oyama, Y., Molyneaux, N., and Wang, Z., 2021. Understanding Pedestrian Behavior: from Data to Management Strategies. Book Chapter, *Routledge Handbook of Urban Mobility*

## Presentations

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

Raising star workshop at MS&E department, Stanford May, 2023  
 INFORMS annual meeting, Phoenix, USA Oct, 2023

### "Randomized assortment optimization"

The 63<sup>rd</sup> conference of the operational research society, Southampton, UK, July 2021  
 Transatlantic Doctoral Conference, London, UK, May 2022  
 INFORMS annual meeting, Indianapolis, USA Oct. 2022  
 London operations research PhD seminar series, London, UK, Mar 2023  
 POMS-HK, Hong Kong, China, Jan., 2024

### "Pedestrian activity schedule models: Review and promises"

18<sup>th</sup> Swiss transport research conference, Ascona, Switzerland May, 2018

### "Integrated optimization of charging stations for electric taxis"

19<sup>th</sup> Swiss transport research conference, Ascona, Switzerland May, 2019

## Teaching

### Teaching assistant

Optimization and Decision Models, 2020 - 2023  
 Data Structure and Algorithms, 2020 - 2023  
 Business Analytics Elective, 2020 - 2023