

Zhengchao Wang,

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(Last updated: 08/2024)

EDUCATION

Imperial College Business School	2020–
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 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 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, 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 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)

Pedestrian Activity Schedule Models: Review and Promises

with Yuki Oyama, Riccardo Scarinci, Michel Bierlaire, Nikolaos Geroliminis
18th Swiss Transport Research Conference.

Integrate Charging Station Optimization for Electric Taxis

with Yuki Oyama, Michel Bierlaire, Nikolaos Geroliminis
19th Swiss Transport Research Conference.

TEACHING

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 programs 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 Fall

AWARDS AND HONORS

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 Students (Non-math major).	2011

PRESENTATIONS

“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 Campaigning 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 63th OR Society's Annual Conference, Virtual, 06/2021

PROFESSIONAL ACTIVITIES

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

WORK EXPERIENCE

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

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