

WANG QUANMENG

CONTACT INFORMATION

Address

21 Lower Kent Ridge Road Singapore 119077

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EDUCATION

National University of Singapore

Ph.D. Student, IORA

Aug. 2017 - Present

Nanyang Technological University

B.S. Mathematical Sciences

Aug. 2013 - May 2017

WORKING PAPER

Convex Reformulation of Unit Commitment Problems with Convex Production Cost

Wang Q. and Teo C.P.

- We provide a description of the bounded up and down times ramping polytope, and a convex hull formulation of epigraph of convex production cost over such a polytope.

Value of Solved TSP Instances

Wang Q., He L. and Zhang Z.

- We study how does the solved TSP instances help to solve unseen instances.

Stands Assignment in Cargo Airport

Wang Q., Huang J., Li X., Huang Y., Huang Y. and Teo C.P.

- A project with the leading fast delivery company in China on stand assignment problems inside a cargo airport.

Does Locker Network Improve Last Mile Delivery Efficiency?

Wang Q., Lyu G., He L. and Teo C.P.

- A project under smart nation program with IMDA on how to design the locker network for the last mile delivery problem.

Dynamic Cross-Docking

Huang J., Wang Q., Li X., Huang Y. and Teo C.P.

- A collaboration project with logistic consultancy on how to design an adaptive system for cross-docking operation.

CONFERENCE PRESENTATION

CSAMSE

2019

- Convex Reformulation of Unit Commitment Problems with Convex Production Cost

Informs Annual Meeting

2019

- Stands Assignment in Cargo Airport

COMPUTER SKILLS

Programming Languages

C++ , R , Python , Julia

Software

LaTex

WORKING EXPERIENCE

Panasonic R&D Center Singapore

2016

Research Summer Intern

- Application of LSTM to machine translation.

Cargo Airport Project

2019

Leader of IORA Team

- Modelling design for the airport. Implementation of the system in Python.

TEACHING EXPERIENCE

Teaching Assistant, Nanyang Technological University

- MH1200 - Linear Algebra I 2016
- MH1301 - Discrete Mathematics 2017

Teaching Assistant, National University of Singapore

- DAO2702 - Programming for Business Analytics 2018/2019
- DBA3803/DSC3216 - Predictive Analytics in Business 2018