

Rowan Wang 王宇

Southern University of Science and Technology 南方科技大学
Shenzhen, CHINA 深圳, 中国

POSITION

Southern University of Science and Technology

Department of Information Systems and Management Engineering, College of Business

Associate Professor

2021 - Present

Singapore Management University

Operations Management Group, Lee Kong Chian School of Business

Assistant Professor

2014 - 2020

EDUCATION

University of Minnesota

Ph.D., Industrial and Systems Engineering

2014

M.Sc., Industrial and Systems Engineering

2010

Hong Kong University of Science and Technology

B.Eng., Electronic Engineering

2008

RESEARCH INTEREST

Operational System Analysis and Control

Practice-Based Operational Design and Optimization

Data-Driven Research on Socially Responsible and China-Focused Operations

Business Operations Innovation and Development

HONOR

优胜奖(赛会最高奖项), 春晖杯 中国留学人员创新创业大赛 2020

First Place, IIE Pritsker Doctoral Dissertation Award 2015

First Place, INFORMS-ENRE Student Paper Competition 2013

Honorable Mention, POMS-HK Student Paper Competition 2013

SELECTED PUBLICATION

UTD Journal

Divide and Conquer: A Hygienic, Efficient, and Reliable Assembly Line for Housekeeping.

Manufacturing & Service Operations Management. 2021 Forthcoming.

(with Xiao Alison Chen & Jianghua Zhang).

Impact of Penalty Cost on Customers' Booking Decisions.

Production and Operations Management. 2021 Forthcoming.

(with Daniel Zhuoyu Long & Chi Xie & Jianghua Zhang).

Flexibly Serving a Finite Number of Heterogeneous Jobs in a Tandem System.

Production and Operations Management. 2020 29(6):1431-1447.

(with Yun Fong Lim & Bingnan Lu & Wenjia Zhang).

Managing Production-Inventory Systems with Scarce Resources.

Manufacturing & Service Operations Management. 2017 19(2):216-229.

(with Saif Benjaafar & David Chen).

Service Systems with Finite and Heterogeneous Customer Arrivals.

Manufacturing & Service Operations Management. 2014 16(3):365-380.

(with Saif Benjaafar & Oualid Jouini).

Specialty Journal

A Simple New Scoring System for Predicting the Mortality of Severe Acute Pancreatitis:

A Retrospective Clinical Study.

Medicine. 2020 99(23):1-7.

(with Jiayun Chen & Yuanhang Dong & Yiqi Du & Zhaoshen Li & Qian Luo & Lei Wang
& Xiaoqing Xie & Yanbo Zeng & Ruijie Zhang & Daniel Zheng & Wenbin Zou).

WORKING PAPER

Assign-to-Seat: Dynamic Capacity Control for Selling Train Tickets.

Second-Round Major Revision, Management Science.

(with Shaoxuan Liu & Zizhuo Wang & Feng Zhu).

Offering Free Upgrades Even before Stocks Run out: The Value of Proactive Upgrades.

First-Round Major Revision, Manufacturing & Service Operations Management.

(with David Chen & Christopher S Tang & Huihui Wang & Yimin Yu).

Optimal Control of Service Systems with Heterogeneous Servers and Priority Customers.

Reject & Resubmit, Management Science.

(with David Chen & Ruoran Chen & Xuan Wang).

Appointment Scheduling under a Service Level Constraint.

Reject & Resubmit, Manufacturing & Service Operations Management.

(with Saif Benjaafar & David Chen & Zhenzhen Yan).

From Census Data to Operational Details:

A Refined Study on Workload and Efficiency of Medical Staff.

Reject & Resubmit, Manufacturing & Service Operations Management.

(with Hailiang Chen & Qian Luo & Xiaoqing Xie).

Please Don't Make Me Wait:

Influence of Customer's Waiting Preference and No-Show Behavior on Appointment Systems.

Reject & Resubmit, Manufacturing & Service Operations Management.

(with Xiaohua Han & Jianghua Zhang & Ruijie Zhang & Yinghao Zhang).

Online Recommendation System and Demand Substitution Effect at Chinese Restaurants.

Reject & Resubmit, Manufacturing & Service Operations Management.

(with Zhou Chen & Xuan Wang & Yinghao Zhang).

Production Optimization under Financial Performance Targets.

Under Revision.

(with Zheng Cui & Daniel Zhuoyu Long).

Pooling and Balking: Decisions on COVID-19 Testing under HAI Risk.

Under Revision.

(with Yang Li & Daniel Zhuoyu Long & Zijin Zhang).

RESEARCH GRANT

中国自然科学基金 National Nature Science Foundation of China

超模在鲁棒优化中的角色: 理论及其在供应链管理中的应用.

面上项目. 2020 - 2023. (参与; 50万元; 主持: 龙卓瑜 - 香港中文大学).

The Role of Supermodularity in Robust Optimization:

Theory and Its Application in Supply Chain Management.

2020 - 2023. (Co-PI; CNY 500,000; PI: Daniel Zhuoyu Long - Chinese University of Hong Kong).

不对称信息下随机反恐阻止网络设计与资源分配研究.

面上项目. 2016 - 2019. (参与; 50万元; 主持: 魏航 - 上海财经大学).

Network Design and Resource Allocation under Asymmetric Information for Anti-Terror Operations.

2016 - 2019. (Co-PI; CNY 500,000; PI: Hang Wei - Shanghai University of Finance and Economics).

TEACHING EXPERIENCE

Southern University of Science and Technology

Innovative and Entrepreneurial Thinking (Undergraduate)

Singapore Management University

Service Process (Undergraduate)

Game Theory (Undergraduate)

Probability (PhD)

FACULTY SERVICE

Southern University of Science and Technology

Founding Member, ISME Academic Management Committee

Founding Member, ISME Undergraduate Program Committee

Singapore Management University

Founding Member, OM PhD Program Committee

PROFESSIONAL SERVICE

Conference Organization

学术委员会委员, 智能制造系统工程学术会议 2021

Organizing Committee, POMS-HK Conference 2020

Organizing Committee, INFORMS-MSOM Conference 2019

Organizing Committee, POMS-HK Conference 2019

Track Chair, POMS International Conference 2019

Track Chair, INFORMS International Conference 2016

Track Chair, IIE Annual Conference 2015

Award Judge

评委, 中国工业工程与精益管理创新大赛 2020

Judge, POMS-HK Student Paper Competition 2019

Judge, INFORMS-ENRE Student Paper Competition 2015

Journal Referee

Manufacturing & Service Operations Management

INVITED VISIT

中国 CHINA

南方科技大学 Southern University of Science and Technology
香港中文大学 - 深圳 Chinese University of Hong Kong - Shenzhen
中山大学 Sun Yat-sen University
华南理工大学 South China University of Technology
上海交通大学 Shanghai Jiao Tong University
复旦大学 Fudan University
同济大学 Tongji University
华东师范大学 East China Normal University
上海财经大学 Shanghai University of Finance and Economics
上海科技大学 ShanghaiTech University
山东大学 Shandong University
中国海洋大学 Ocean University of China
华中科技大学 Huazhong University of Science and Technology
武汉大学 Wuhan University
香港城市大学 City University of Hong Kong
香港理工大学 Hong Kong Polytechnic University
清华大学 Tsinghua University
北京大学 Peking University
中国人民大学 Renmin University of China
北京航空航天大学 Beihang University
北京理工大学 Beijing Institute of Technology
北京师范大学 Beijing Normal University
中国农业大学 China Agricultural University
中央民族大学 Minzu University of China
中国科学院大学 University of Chinese Academy of Sciences
中国科学技术大学 University of Science and Technology of China
重庆大学 Chongqing University
厦门大学 Xiamen University
兰州大学 Lanzhou University
国防科技大学 National University of Defense Technology
中南大学 Central South University
湖南大学 Hunan University
南京大学 Nanjing University
东南大学 Southeast University
东北大学 Northeastern University
大连理工大学 Dalian University of Technology
西安交通大学 Xi'an Jiaotong University
西北工业大学 Northwestern Polytechnical University
西北农林科技大学 Northwest A&F University
四川大学 Sichuan University
电子科技大学 University of Electronic Science and Technology of China
国立台湾大学 National Taiwan University
国立清华大学 National Tsing Hua University
国立交通大学 National Chiao Tung University

国立成功大学 National Cheng Kung University
国立政治大学 National Chengchi University
国立台湾师范大学 National Taiwan Normal University
天津大学 Tianjin University
南开大学 Nankai University
浙江大学 Zhejiang University

国际 INTERNATIONAL

Singapore Management University, Singapore
Nanyang Technological University, Singapore
Singapore University of Technology and Design, Singapore
University of California - Riverside, USA
University of Southern Denmark, Denmark
CentraleSupélec, France
Eindhoven University of Technology, Netherlands