

# Rowan Wang 王宇

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

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## 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

决策咨询专报 国务院办公厅 录用 2021

**Third Place**, CSAMSE Practice Award Competition 2021

学生优秀论文奖(指导学生), 中国运筹学会行为运筹与管理分会 2021

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**

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

***Manufacturing & Service Operations Management***. 2022 Forthcoming.

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

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

***Manufacturing & Service Operations Management***. 2022 Forthcoming.

(with Xiao Alison Chen & Jianghua Zhang).

Impact of Penalty Cost on Customers' Booking Decisions.

***Production and Operations Management***. 2021 30(6):1603-1614.

(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).

## **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 2019 - 2022

**Organizing Committee**, INFORMS-MSOM 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