

# CHENG GUANG

Institute of Operations Research and Analytics  
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## EDUCATION

- National University of Singapore, Singapore** August 2020 – Present  
Institute of Operations Research and Analytics  
Ph.D. Student in Operations Research and Analytics
- University of Science and Technology of China, China** September 2016 – Present  
School of Management  
Master's Student in Management Science and Engineering
- Jiangnan University, China** September 2012 – June 2016  
Business School  
B.S. in Industrial Engineering

## RESEARCH INTERESTS

- Healthcare Operations Management
- Data Analytics

## WORKING PAPERS

1. Guang Cheng, Jingui Xie, Zhichao Zheng. *Optimal stopping for medical treatment with predictive information: Theory and application in ICU mechanical ventilation*. Under preparation.

## PUBLISHED PAPERS

1. Jingui Xie, Guang Cheng, Zhichao Zheng, Haidong Luo, Oon-Cheong Ooi. *To extubate or not to extubate: Risk factors for extubation failure and deterioration with further mechanical ventilation*. *Journal of Cardiac Surgery*, 2019, 34(10): 1004–1011.

## ACADEMIC EXPERIENCE

1. Research Assistant, Lee Kong Chian School of Business, Singapore Management University, July 2019 - June 2020
2. Research Assistant, Lee Kong Chian School of Business, Singapore Management University, August 2018 - November 2018
3. Research Assistant, Lee Kong Chian School of Business, Singapore Management University, September 2017 - March 2018

## CONFERENCE PRESENTATIONS

1. January 2019, *Optimal stopping for medical treatment with forecast information*, POMS-HK International Conference, Hong Kong, China

## HONORS AND AWARDS

- NUS Research Scholarship, National University of Singapore, Singapore, 2020
- JData Data Mining Competition Top 10, JD.com, inc., China, 2017
- National Scholarship, Ministry of Education of People's Republic of China, China, 2015

- Municipal Merit Student, Education Bureau of Wuxi, China, 2015
- First Prize Scholarship, Jiangnan University, 2013 & 2015
- Second Prize Scholarship, Jiangnan University, 2014

## COMPUTER SKILLS

- Programming: MATLAB, Python, R
- Applications: L<sup>A</sup>T<sub>E</sub>X