

## ANG TECK MENG MARCUS

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**EDUCATION**      *Ph.D.*, National University of Singapore,  
October 2008

*S.M.*, High Performance Computing for Engineering Systems (HPCES),  
Singapore-MIT Alliance under National University of Singapore,  
July 2003

*B.Sc. (Hon)*, Mathematics, National University of Singapore,  
July 2002

*B.Sc.*, Mathematics, National University of Singapore,  
July 2001

**POSITIONS HELD**      *Associate Professor (Education)*,  
Operations Management Department,  
Lee Kong Chian School of Business, Singapore Management University,  
Jan 2017 to Present

*Academic Director and Track Coordinator*,  
International Trading Institute,  
Lee Kong Chian School of Business, Singapore Management University,  
Jan 2024 to Present

*Assistant Professor (Education)*,  
Operations Management Department,  
Lee Kong Chian School of Business, Singapore Management University,  
August 2013 to Dec 2016

- JOURNAL ARTICLES (REFEREED)**
1. Wang, S., Li, J., Ang, M. and Ng, T.S., 2024, "Appointment Scheduling with Delay-Tolerance Heterogeneity.", **INFORMS Journal on Computing**, 36(5), 1147-1358.
  2. Dang, Y., Ang, M. and Sun, J., 2023, "An Inertial triple-projection algorithm for solving the split feasibility problems", **Journal of Industrial and Management Optimization**, 19(3), 1813-1826.

3. Lim, Y.F., Song, J. and Ang, M., 2021, “Integrating Anticipative Replenishment Allocation with Reactive Fulfillment for Online Retailing Using Robust Optimization”, **Manufacturing & Service Operations Management**, 23(6), 1616-1633.
4. Xie, J., Zhuang, W., Ang, M., Chou, M.C., Li, L. and Yao, D.D., 2021, “Analytics for Hospital Resource Planning - Two Case Studies”, **Production and Operations Management**, 30(6), 1863-1885.
5. Ang, M. and Lim, Y.F., 2019, “How to Optimize Storage Classes in A Unit-Load Warehouse ”, **European Journal of Operational Research**, 278(1), 186-201.
6. Ang, M., Sun, J. and Yao, Q., 2018, “Constrained dual representation of coherent risk measures”, **Annals of Operations Research**, 262(1), 29-46.
7. Ang, M., Sigman, K., Song, J.S. and Zhang, H., 2017, “Closed-form approximations for optimal  $(r, q)$  and  $(S, T)$  policies in a parallel processing environment”, **Operations Research**, 65(5), 1414-1428.
8. Han, D., Sun, J. and Ang, M., 2014, “New bounds for the price of anarchy under nonlinear and asymmetric cost”, **Optimization**, 63(2), 271-284.
9. Ang, M., Song, J.S., Wang, M. and Zhang, H., 2013, “On properties of discrete  $(r, q)$  and  $(s, T)$  inventory systems”, **European Journal of Operational Research**, 229, 95-105.
10. Ang, M., Lim, Y.F. and Sim, M., 2012, “Robust Storage Assignment in Unit-Load Warehouses”, **Management Science**, 58(11), 2114-2130.

## CASE STUDIES

1. Ang, M., Cheah, S.M., Song H. and Hua, Z., 2025, “China Huadian: Harnessing the Sun, Wind, and Nature for Hybrid Energy Optimisation”, **Singapore Management University Case Series**.
2. Crama, P., Mittal, S. and Ang, M., 2024, “Singapore Public Health Hospital: Bed Management System”, **Singapore Management University Case Series**.
3. Lim, Y.F., Ang, M. and Koh, K.C., 2023, “To Build or Not to Build: The Real Estate Dilemma and the Rapid Rise of China’s Cold Chain Industry”, **Singapore Management University Case Series**.

4. Ang, M., Bhattacharya, L. and Grayson, B., 2022, “ Inn or Out - Yield Management Simulation”, **Singapore Management University Case Series**.
5. Ang, M., Chen, Y.C. and Darendeli, S.P., 2022, “Getting the Next Swipe: Improving Customer Loyalty for OCBC Bank Credit Cards”, **Singapore Management University Case Series**.
6. Ang, M., Hu, R.H. and Lam, S.W., 2020, “Too Long for Comfort: Tackling Consultation Wait Time at a Hospital Emergency Department”, **Singapore Management University Case Series**.
7. Ang, M., Chen, Y.C. and Foo, Y.L., 2020, “Where Next? Identifying New Supermarket Locations for the Dairy Farm Group”, **Singapore Management University Case Series**.
8. Ang, M, and Chen, Y.C., 2020, “Amazon: Facing Low Customer Satisfaction in Singapore”, **Singapore Management University Case Series**.
9. Ang, M. and Hu, R.H., 2018, “Cafe Betterfield: Optimizing the Food Menu”, **Singapore Management University Case Series**.
10. Ang, M. and Lam, S.W., 2018, ”Using Data Analytics to Manage Bed Capacity at LCX Hospital”, **Singapore Management University Case Series**.
11. Lim, Y.F. and Ang, M., 2016, “KYY: Storage Assignment in a Unit-load Warehouse”, **Singapore Management University Case Series**, *Finalist in INFORMS Case Study Competition 2014*.

**EXECUTIVE  
TEACHING  
EXPERIENCE**

- Singapore Management University Executive Development, 2022  
Executive Programme in Digital Leadership  
Topic: *Big Data : Tools and Techniques*
- Singapore Management University Executive Development, 2022  
Ortho Clinical Diagnostics - Get Set Go For Next Gen in Healthcare Delivery  
Topic: *Supply Chain Inventory Management*
- Singapore Management University Executive Development, 2021 - 2023  
SMU-MINDEF Management Science Module  
Topic: *Quantitative Analysis and Decision Sciences*
- Singapore Management University Executive Development, 2021  
SMU-Qatar Development Bank International Trade Workshop

Topic: *Understanding Logistics*

- Singapore Management University Executive Development, 2019  
Ortho Clinical Diagnostics - Healthcare Management in a Digital World  
Topic: *Operational Efficiency in Healthcare*
- Singapore Management University Executive Development, 2018  
Go with Maersk  
Topic: *Port and Terminal Operations*

**TEACHING  
EXPERIENCE  
(POSTGRADUATE)**

- Singapore Management University, Lee Kong Chian School of Business,  
Master of Science in Management,  
Instructor, *OPIM 618, Decision Analytics*
- Singapore Management University, Lee Kong Chian School of Business,  
PhD in Business (General Management) and DBA,  
Instructor, *MGMT 738, Statistical Techniques*

**TEACHING  
EXPERIENCE  
(UNDERGRADUATE)**

- Singapore Management University, Lee Kong Chian School of Business,  
Instructor, *MGMT108, Introduction to Business Analytics*
- Singapore Management University, Lee Kong Chian School of Business,  
Instructor, *OPIM 311, Service Processes*
- Singapore Management University, Lee Kong Chian School of Business,  
Instructor, *OPIM 101, Decision Analysis*
- Singapore University of Technology and Design,  
Instructor, *01.001, Introduction to Probability and Statistics*
- Singapore University of Technology and Design,  
Instructor, *10.004, Math 2 (Linear Algebra / Vector Calculus)*
- Singapore University of Technology and Design,  
Instructor, *10.007, Modelling the Systems World (Differential Equations / Optimization)*
- National University of Singapore,  
Tutor, *DSC2003, Management Science, 2007*
- Singapore-MIT Alliance, National University of Singapore,  
Tutor, *SMA 5213, Optimization Methods, 2005*

- National University of Singapore,  
Tutor, *MA1101, Linear Algebra*, 2003

## HONORS

- *Maritime and Port Authority of Singapore* (MPA) Research Fellow, 2022/2023, 2021/2022 and 2019/ 2020.
- Nominee of the *SMU Undergraduate Excellent Teacher Award 2025* (university-level).
- Nominee of the *SMU Undergraduate Innovative Teacher Award 2022* (university-level).
- Nominee of the *SMU Undergraduate Innovative Teacher Award 2021* (university-level).
- Winner of the *SMU Undergraduate Excellent Teacher Award 2020* (university-level)
- Masters in Management (MIM) Excellent Teacher Award 2020
- Masters in Management (MIM) Excellent Service Award 2020
- Winner of the *SMU Undergraduate Innovative Teacher Award 2018* (university-level).
- Ten-Year Long Service Award, Singapore Management University, 2023.
- Five-Year Long Service Award, Singapore Management University, 2018.
- On *Dean's Teaching Honour List* for Faculty (Undergraduate Programmes) Lee Kong Chian School of Business, SMU, in Academic Years
  - 2024/2025 (Term 1, Term 2)
  - 2023/2024 (Term 1, Term 2)
  - 2022/2023 (Term 1, Term 2)
  - 2021/2022 (Term 1, Term 2)
  - 2020/2021 (Term 1, Term 2)
  - 2019/2020 (Term 1, Term 2)
  - 2018/2019 (Term 1, Term 2)
  - 2017/2018 (Term 1, Term 2)
  - 2016/2017 (Term 1, Term 2)
  - 2014/2015 (Term 2)
  - 2011/2012 (Term 2)
- On *Dean's Teaching Honour List* for Faculty (Postgraduate Programmes) Lee Kong Chian School of Business, SMU, in Calendar Years
  - 2024/2025
  - 2022/2023

- 2021/2022
- 2018/2019

- Finalist in INFORMS Case Study Competition 2014.
- NUS Doctoral Scholarship, 2003 - 2008
- Singapore MIT Alliance (NUS) Masters Scholarship, 2002 - 2003
- On the Dean's list for Semester 1 and 2 of 1998/1999, Semester 1 and 2 of 1999/2000, Semester 1 of 2000/2001 (Department of Mathematics, National University of Singapore)

## GRANTS

- SMU, Center of Teaching Excellence, Technology Enhanced Learning (TEL) Fund, 2025, "Optimizing Student-Group Formation".
- SMU, Center of Teaching Excellence, Technology Enhanced Learning (TEL) Fund, 2025, "Decision Tree in Mining".
- SMU, Center of Teaching Excellence, Technology Enhanced Learning (TEL) Fund, 2023, "Pricing Boss".
- SMU, Center of Teaching Excellence, Technology Enhanced Learning (TEL) Fund, 2019, "Yield Management Simulator".
- SMU, MOE Tier 1 Research Grant, 2013.

## SERVICES

- School Service
  - Academic Director and Track Coordinator of the International Trading Institute (SMU), 2024 - Present
  - Adjunct Coordinator (SMU), 2017 - 2023
  - Operations Management Student Committee
    - \* Chair, 2019 - Present
    - \* Member, 2011 - 2012, 2017 - 2019
  - Committee of the Operations MSc Program (SMU), Member, 2015 - Present
  - Course Coordinator of Service Processes, OPIM311 (SMU), 2015 - Present
  - Recruiting Committee (SMU), Member, 2013 - 2015, 2017 - 2017
- University Service
  - University Tribunal member, 2023 - Present
  - Education Research Task and Finish Group, Member, 2022-2022
  - Learning Outcomes Measurement Coordinating Group (SMU), Member of the Critical Thinking and Problem Solving sub-group, 2020 -2021

– School Curriculum Taskforce (SMU Blue Ribbon Committee), Member, 2018 - 2019

- External

– Member of Nanyang Polytechnic’s Business Management Advisory Committee, 2026–2027

**RESEARCH INTERESTS**

- Inventory Management
- Stochastic Models
- Robust Optimization

**COMPUTER SKILLS**

- Matlab, Java

**PERSONAL**

- Nationality: Singaporean
- Fluent in English and Mandarin Chinese