

**Mabel C. Chou**

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***Education***

- PhD, Industrial Engineering and Management Sciences, Northwestern University, 2001
- Master of Science, Mathematics, Northwestern University, Evanston, Illinois, 1997
- Bachelor of Science, Mathematics, National Taiwan University, 1995

***Academic and Professional Experience***

- Associate Professor, Department of Decision Sciences, National University of Singapore, January 2010 - present
- The Pritsker Doctoral Dissertation Award Committee Chair, Institute of Industrial Engineers, January 2014 - present
- The Pritsker Doctoral Dissertation Award Committee Member, Institute of Industrial Engineers, December 2011 – December 2013
- Judge for Best Student Paper Competition, POMS Hong Kong 2015 and 2016
- RIE2020 Health & Biomedical Sciences (HBMS) Working Committee Member (university level), 2016 - present
- Decision Sciences Seminar Committee Chair, NUS, 2015-2016
- Decision Sciences Teaching Committee Member, NUS, 2013-2015
- Decision Sciences Executive Committee Member, NUS, 2011-2013
- Decision Sciences Seminar and Search Committee Chair, NUS, 2011-2013
- Visiting Associate Professor, National Taiwan University, August 2012 - September 2012
- Visiting Associate Professor, Massachusetts Institute of Technology, June 2012 - July 2012
- Visiting Associate Professor, Shanghai Jiao Tong University, May 2012
- Visiting Associate Professor, National Tsing Hua University, December 2011
- Visiting Scholar, Chinese University of Hong Kong, 2006 - 2006
- Member of the Joint Admission Committee & Board of Examiners, The Logistics Institute–Asia Pacific, 2004 - 2010
- Associate, Singapore MIT Alliance Program, 2002 - 2003
- Member of the BBA Review Committee, National University of Singapore, 2002 - 2002
- Visiting Scientist, Massachusetts Institute of Technology, 2002 – 2002
- Assistant Professor, Department of Decision Sciences, National University of Singapore, October 2001 – December 2009
- Instructor, Department of Industrial Engineering and Management Sciences, Northwestern University, 2000 - 2000

***Consulting Experiences***

- Caterpillar Singapore for its inventory management. The policy we proposed was implemented and cost was reduced by S\$1,300,000 in a S\$4,000,000 system after implementing our proposed policy.
- A local shipping company for better scheduling.
- STMicroelectronics to manage its warehouse capacity.
- Stolthaven Singapore Pte Ltd. for its jetty allocation.
- Texas Instruments to reduce supply chain variability.
- 3M for better warehouse management and cost assessment.

### ***Research Areas of Interest***

1. Production Scheduling
2. Logistics and Supply Chain Analysis
3. Operations/Manufacturing Flexibility Design and Analysis

### ***Teaching Areas of Interest***

1. Supply Chain Management
2. Management Science
3. Production Planning and Scheduling
4. Logistics and Operations
5. Probability and Stochastic Models

### ***Awards***

1. Second prize for the best paper award in "The eighth annual international conference of the Chinese scholars Association for Management Science and Engineering (CSAMSE)" 2015
2. Best Educator Award, National University of Singapore, 2013
3. Best Theoretical Paper Award (with a PhD student), 7th APORS Conference, Asia-Pacific Operational Research Societies within IFORS, January 16-18, 2006, Manila, Philippines, 2006
4. Best Presentation Award (with two co-authors), the 3<sup>rd</sup> International IEEE Conference on Industrial Informatics, August 10-12, 2005 in Perth, Australia.
5. Best Teacher Award, Decision Sciences, National University of Singapore, 2006
6. Dissertation-Year Henderson Fellowship, Northwestern University, 2000 - 2001
7. University Fellowship, Northwestern University, 1995 - 1997

### ***Grants***

NUS Academic Research Grant:

1. Principal Investigator, Academic Research Grant for “Supply Chain Scheduling on Large Scale Systems”, National University of Singapore, Mar 2002 - Mar 2004. Approved Budget S\$20,598.
2. Principal Investigator, Academic Research Grant for the “Contract Design in Supply Chain Management”, National University of Singapore, Mar 2005 – Mar 2008. Approved Budget S\$36,675.
3. Principal Investigator, Academic Research Grant for “Re-design and Analysis of A Hospital Bed Management System”, National University of Singapore, October 2009 – October 2012. Approved Budget S\$57000.
4. Principal Investigator, Academic Research Grant for “Distribution Strategy for the Liquefied natural Gas Business”, National University of Singapore, March 2010 – March 2013. Approved Budget S\$65800.

External Research Grant:

5. Principal Investigator, Singapore-MIT Alliance, October 2003 – October 2004. Approved Budget S\$46,000.
6. Co-Principal Investigator, Science and Engineering Research Council Grant for “Integrated Supply Chains and Resource Sharing for a Chemical Hub”, Aug 2004 - Feb 2005. Approved Budget S\$32850.
7. Co-Principal Investigator, Science and Engineering Research Council Grant for “Software Focused Products and Service Supply Chain: Integration, Coordination and Optimization”, Aug 2004 - Feb 2005. Approved Budget S\$48,850.
8. Principal Investigator, Science and Engineering Research Council Grant for “Software Focused Supply Chain: Integration, Coordination and Optimization”, Mar 2006 - Mar 2009. Approved Budget S\$896,690.
9. Co-Principal Investigator, Science and Engineering Research Council Grant for “Remanufacturing Inventory Forecasting and Management System”, September 2011 – September 2014. Approved Budget S\$428,145.
10. Principal Investigator, Ministry of Health Grant, “Design and Analysis of the Cross-Hospital Channeling of Emergency Department Patient Flow: Improving EMD Resource Utilization and Reducing Patient Waiting Time”, September 2011 – August 2014. Approved Budget S\$173,880.

***Publications***

Journal Articles- International Refereed

1. Y. Zhong, Z. Zheng, M. C. Chou, C. P. Teo, Resource Pooling and Allocation Policies to Deliver Differentiated Service, **Management Science**, 2016, forthcoming [Tiered 1 as ranked by NUS]
2. J. Xie, Y. Fan, M. C. Chou, Flexibility design in loss and queueing systems: efficiency of  $k$ -chain configuration, **Flexible Services and Manufacturing Journal**, 2016, forthcoming.
3. D. Ding and M. C. Chou, Stowage planning for container ships: A heuristic algorithm to reduce the number of shifts, **European Journal of Operational Research**, Volume 246, Issue 1, 1 October 2015, Pages 242–249 [Tiered 1 as ranked by NUS]
4. Shi P, M. C. Chou, J. Dai, D. Ding, J. Sim, Models and Insights for Hospital Inpatient Operations: Time-Dependent ED Boarding Time, **Management Science**, forthcoming, 2014 [Tiered 1 as ranked by NUS]
5. Chou M. C., G. Chua and H. Zheng. On the Performance of Sparse Process Structures in Partial Postponement Production Systems, **Operations Research**, forthcoming, 2014 [Tiered 1 as ranked by NUS]
6. Shu J., M. C. Chou, Q. Z. Liu, C. P Teo, I. L. Wang, Models for Effective Deployment and Redistribution of Bicycles Within Public Bicycle-Sharing Systems, **Operations Research**, Vol. 61, No. 6, November-December 2013, pp. 1346-1359. [Tiered 1 as ranked by NUS]
7. Chou M. C., C. K. Sim and X. M. Yuan, Optimal Policies for Inventory Systems with Two Types of Products Sharing Common Hardware Platforms, **European Journal of Operational Research**, Volume 224, Issue 2, 16 January 2013, Pages 283–292, [Tiered 1 as ranked by NUS]

8. Chou M. C., G. Chua, C. P. Teo and H. Zheng. Process Flexibility Revisited - The Graph Expander and Its Applications, **Operations Research**, Vol. 59, No. 5, September-October 2011, pp. 1090-1105. [Tiered 1 as ranked by NUS]
9. Chou M. C., C. K. Sim, C. P. Teo and H. Zheng. Newsvendor Pricing Problem in a Two-Sided Market, **Production and Operations Management**, Vol. 21, Issue 1, January-February 2012, pp. 204–208.
10. Chou M. C., G. Chua, C. P. Teo and H. Zheng. Design for Process Flexibility: Efficiency of the Long Chains and Sparse Structure, **Operations Research**, Vol. 58, No. 1, January-February 2010, pp. 43-58. [Tiered 1 as ranked by NUS]
11. Chou M. C., G. Chua and C. P. Teo. On Range and Response: Dimensions of Process Flexibility, **European Journal of Operational Research**, Vol. 207, Issue 2, 2010, pp. 711-724. [Tiered 1 as ranked by NUS]
12. Chou, M. C., Q Kong, C P Teo, Z Z Wang and H Zheng, Benford's Law and Number Selection in Lottery Games. **Journal of Gambling Studies**, Vol. 25, No. 4, 2009, pp. 503-521. (United Kingdom).
13. Chou M. C., C. P. Teo and H. Zheng. Process Flexibility: Design, Evaluation and Applications, to appear in **Flexible Services and Manufacturing Journal**. (Invited Review). Vol. 20, No. 1-2, 2008, pp. 59-94. Formerly published as **International Journal of Flexible Manufacturing Systems**.
14. Brown, A., M. C. Chou and C. S. Tang. “The implications of pooled returns policies”, **International Journal of Production Economics**, Vol. 111, Issue 1, January 2008, pp. 129-146.
15. Chou, M. C., H. Q. Ye, X. M. Yuan et al. “Analysis of a Software Focused Products and Service Supply Chain”, **IEEE Transactions on Industrial Informatics**, Vol. 2, No 4, November 2006, pp. 295-302.
16. Chou, M. C., H. Liu, M. Queyranne and D. Simchi-Levi. “On the Asymptotic Optimality of a Simple On-line Algorithm for the Stochastic Single Machine Weighted Completion Time Problem and its Extensions”, **Operations Research**, Vol. 54, No. 3, May-June 2006, pp. 464-474. [Tiered 1 as ranked by NUS]
17. Chou, M. C., M. Queyranne and D. Simchi-Levi. "The Asymptotic Performance Ratio of an On-Line Algorithm for Uniform Parallel Machine Scheduling With Release Dates", **Mathematical Programming**, Vol. 106, No. 1, pp. 137 – 157, May 2006. [Tiered 1 as ranked by NUS]
18. Chou, M. C. “The Asymptotic Optimality of an On-Line Algorithm for the Single Machine Weighted Completion Time Problem with Release Dates”, **IEEE Transactions on**

**Automatic Control**, Vol. 49, No. 5, pp. 772 – 776, May 2004. [Tiered 1 as ranked by NUS]

#### Conference Articles- International Refereed

1. Chou, M. C., G. A. Chua and C.P. Teo. “Efficiency of the Long Chain: A Random Walk Approach”, in the proceedings of the MSOM Conference, 18-19 June 2007, Beijing, China.
2. Chou, M. C., H. Q. Ye and X. M. Yuan. “Analysis of a software focused product and service supply chain”, in the proceedings of the 3<sup>rd</sup> International IEEE Conference on Industrial Informatics, 10-12 August 2005, Perth, Australia.
3. Chou, M. C., C. P. Teo and H. Zheng. “Process Flexibility Revisited: Graph Expander and Food-From-The-Heart”, in the proceedings of the MSOM Conference, 27-28 June 2005, Evanston, IL, USA.
4. Chou, M. C. and Y. Q. Huang, “An Integrated Supply Chain Problem with Emergency Supply Options”, in the proceedings of the Fifth Asia-Pacific Industrial Engineering and Management Systems Conference, 12-15 December 2004, Gold Coast, Australia.
5. Chou, M. C., Y. B. Lim, and X. M. Yuan, “Examine the Pricing and Returns Strategy for a Manufacturer”, in the proceedings of the 6<sup>th</sup> International Conference on Optimization: Techniques and Applications, 9-11 December 2004, Ballarat, Australia.
6. Chou, M. C., H. Liu, M. Queyranne and D. Simchi-Levi. "On the Asymptotic Optimality of Stochastic Scheduling Problems with Release Dates", in Proceedings of International Conference on Global Supply Chain Management, Beijing, August 5-7, 2002.
7. Chou, M. C., M. Queyranne and D. Simchi-Levi. "The Asymptotic Performance Ratio of an On-Line Algorithm for Uniform Parallel Machine Scheduling With Release Dates", Integer Programming and Combinatorial Optimization 2001 Conference Proceedings.

#### Book Chapter

1. Return Policies and Coordination of Supply Chain, Supply Chain, The Way to Flat Organisation, Edited by Vedran Kordic.
2. Book Chapter in Benford's Law: Theory and Applications Edited by Steven J. Miller, ISBN: 9780691147611

#### Commentary

Chou, M. C. and Q. Kong. The numbers game: Down a blind alley? **Straits Times**, Oct. 1, 2009 Commentary.

#### Working Papers

1. Infinite horizon optimal policy for an inventory system with two types of products sharing common hardware platforms, R&R, **Operations Research Letters**
2. Optimal Timing to Initiate Medical Treatment for a Disease Evolving as a Semi-Markov Process, with Mahmut Parlar, Yun Zhou, submitted to **Operations Research**.
3. A Robust Optimization Framework for Analyzing Distribution Systems with Transshipment”, with Melvyn Sim and Kut C. So.
4. The Implications of Supply Contract Flexibility – Pooled Options, with Hua Tao. To be submitted to **IEEE Transactions on Engineering Management**.
5. Stowage Planning for Container Ships to Achieve Operations Efficiency, with Ding Ding. Submitted to **European Journal of Operations Research**.
6. Critical Timing Issues in Substitution of Successive Generations of Software Products, with James Ang and Ding Ding. Submitted to **European Journal of Operations Research**.
7. Modeling and Optimization of Strategic Alliances in Chemical Shipping, with Russell Gan Eng Kiat and Li Jun. Submitted to **European Journal of Operations Research**.
8. Examine the Pricing and Returns Strategy for a Manufacturer, with Y. B. Lim and X. M. Yuan. In Preparation.
9. Product Selection and Inventory Management for Correlated Products, with Hua Tao. In Preparation.

#### *Editorship and Conference Committees*

- Area Editor, Computers & Operations Research, July 2016 – present.
- Track Chair, Scheduling and Logistics, International Production and Operations Management Conference, July 21-23, 2014, Singapore.
- Associate Editor, Production and Operations Management, 2015 – present.
- Associate Editor, Flexible Services and Manufacturing Journal, 2007 – present.
- Associate Editor, Pacific Journal of Optimization, January 2010 – present.
- Reviewer Panelist: The 5th Asia Pacific Industrial Engineering and Management Systems Conference 2004.
- Local Organizing Committee, JSOM 2005, Oct 31 –Nov 2, 2005, Singapore.

#### *Service as a Reviewer*

##### Journals

1. Operations Research
2. IIE Transactions
3. Production and Operations Management
4. Naval Research Logistics
5. IEEE Transactions on Systems, Man and Cybernetics Part A - Systems and Humans
6. Computational Optimization and Applications
7. International Journal of Production Economics
8. International Journal of Information Technology
9. Omega
10. Asian Case Research Journal.

## 11. Asia-Pacific Journal of Operational Research

### Grant and Book Proposals

1. Research Grants, Ministry of Health
2. Research Grants Council in Hong Kong
3. A book entitled 'Applications of Supply Chain Management and E-Commerce Research in Industry'.
4. A book entitled “The Outsourcing Process: Strategies for Evaluation and Management”.

### ***Recent Invited Presentations at Scholarly Meetings/Workshops***

1. October 19-22, 2003 Invited talk ”Inventory-Routing Problems in Sea Freight”, INFORMS Annual Meeting, Atlanta, GA, USA.
2. June 4, 2004 Invited Talk “The Value of Returns Policy and Emergency Supply Option in a Supply Chain System”, Tunghai University, Taichung, Taiwan.
3. December 9-11, 2004 Invited Talk “Examine the Pricing and Returns Strategy for a Manufacturer”, The 6<sup>th</sup> International Conference on Optimization: Techniques and Applications and presented, Ballarat, Australia.
4. December 12-15, 2004 Invited Talk “An Integrated Supply Chain Problem with Emergency Supply Options”, The Fifth Asia-Pacific Industrial Engineering and Management Systems Conference and presented Gold Coast, Australia.
5. June 9 – 26, 2005 Invited talk “Process Flexibility Revisited: Graph Expander and Food-From-The- Heart” on June 14, 2005, UC Berkeley IEOR.
6. July 11-15, 2005 Attended IFORS 2005 and presented “A multiple-port containership stowage problem”, Honolulu, Hawaii, USA (Invited paper).
7. November 13-16, 2005 Attended INFORMS Annual Meeting and presented “A Robust Optimization Framework for Analyzing Distribution Systems with Transshipment”, San Francisco, CA, USA (invited paper).
8. December 8, 2005 Invited talk “the future of supply chain management” at the business school of Lin Tung University, Taichung, Taiwan.
9. June 25-28, 2006 Organizer for invited session “Scheduling in Production and Distribution Systems” and speaker of “Scheduling jobs with uncertain machine assignment” in this session, INFORMS Hong Kong 2006.

10. June 25-28, 2006 “The Implications of Process Flexibility Structures”, invited talk, INFORMS Hong Kong 2006.
11. July 6, 2006 Invited speaker for “Mathematical Modelling in Supply Chain Management” in the NUS-PKU Joint Summer Program on Mathematical Modelling organized by the department of Mathematics, NUS.
12. August 16-18, 2006 Organizer for an invited session “Software Focused Supply Chain Optimization” and speaker of “Analysis of a Software Focused Supply Chain in Photo Development Market”, 4<sup>th</sup> International IEEE Conference on Industrial Informatics 2006, Singapore.
13. September 13, 2006 “Inventory Management and Supply Contract”, invited talk for NUS Science Freshman Seminar Series, Singapore.
14. April 20, 2007 “The Implications of Supply Contract Flexibility”, invited talk for NUS-NTU-SMU Symposium on Operations Management and Management Science, Singapore.
15. August 2-3, 2007 Invited speaker for “Mathematical Modelling in Supply Chain Management” in the NUS-PKU Joint Summer Program on Mathematical Modelling organized by the department of Mathematics, NUS.
16. September 5, 2007 “Maxmizing Profit in the Retail-Wholesale Chain: Inventory Management and Supply Contract”, invited talk for NUS Science Freshman Seminar Series, Singapore.
17. November 28, 2007 “Mathematical Modelling in Supply Chain Management”, invited talk, Department of Information Management, National Taiwan University.
18. December, 2008 “Process Flexibility Revisited: Graph Expander and its Applications”, invited talk, Department of Business Administration, National Taiwan University.
19. December, 2008 “Design for Process Flexibility: Efficiency of the Long Chains and Sparse Structure”, invited talk, Department of Industrial Engineering, National Taiwan University.
20. December 12–15, 2007 “The Implications of Supply Contract Flexibility - Pooled Options”, invited talk, The 7<sup>th</sup> International Conference on Optimization: Techniques and Applications (ICOTA7), Kobe, Japan.

21. July 13-18, 2008 “A study on process flexibility in software supply chain”, invited talk, International Federation of Operational Research Societies Conference, South Africa.

### *Courses Taught*

#### PhD

BDC 6101 Seminar in Operations Management and Logistics (NUS; Core Course in Decision Sciences Department, Sectional Teaching/Seminar)

#### MBA

Supply Chain Management (NUS, Two 3-hour Sessions)

#### MSc

1. SMA 5223 Systems Optimisation: Models and Computation (Singapore-MIT Alliance; Co-teach)
2. DSC 5211 Supply Chain Coordination and Risk Management

#### BBA

1. DSC 2003 Management Science (NUS; Tutorial)
2. DSC 3201 Supply Chain Management (NUS; Sectional Teaching)
3. DSC 4211 Seminars in Operations & Supply Chain Management: Coordination, Flexibility and Production in Operations and Supply Chain Management (NUS, Sectional Teaching/Seminar)

#### BSc

1. Probability (Northwestern University; Sectional Teaching)
2. Stochastic Models and Simulation (Northwestern University; Sectional Teaching)
3. Mathematical Analysis in Supply Chain Management (NUS-PKU Joint Summer Program on Mathematical Modeling; Two 2-Hour Sessions)

#### Executive Teaching

Supply Chain Management (CISCO Systems)  
Special Topics in Supply Chain Management (The Logistics Institute – Asia Pacific)  
Supply Chain Management (Mandarin, SF Express)  
Innovation & Project Management

### *Advising Activities*

#### PhD Thesis Supervised

Huan Zheng (NUS PhD in Management):

Title: Sparse Process Flexibility Structure and Its Applications.

Graduated 2007.

Current an **Assistant Professor** in Antai School of Management, Shanghai Jiao Tong University

Co-supervisor: Prof. C.P. Teo (NUS)

Geoffrey Bryan Ang Chua (NUS PhD in Management)

Title: Analysis and Design of Flexible Systems to Manage Uncertainty and Disruptions.

Graduated 2009.

Received the **President's Graduate Fellowship** for 2006-2008 awarded by NUS.

Received the **Best Paper Award** given by the Asia Pacific Operations Research Society 2006.

Currently an **Assistant Professor** in Nanyang Business School in the area of Operations Management.

Tao Hua (NUS PhD in Management):

Title: Contract Design in Supply Chain Management

Graduated 2010.

Working for Fiserv IPS-Sendero as a Consultant since 2008.

Received the **President's Graduate Fellowship** for 2004-2005 awarded by NUS.

Zhong Yuanguang (NUS visiting PhD student), January, 2012 – present,

Working on Supply Chain Finance and Inventory Pooling

Graduated 2014.

Received **second place of best student paper award** at POMS-HK conference, 2013.

Currently an Assistant Professor in the School of Business Administration, South China University of Technology.

Li Jing (NUS visiting PhD student), Feb. 20, 2013 – present

Working on healthcare analysis

### **Master of Science Thesis Supervised**

Kuai Jian (NUS MSc in Decision Sciences)

Title: Two-Echelon Inventory System with Emergency Supply.

Graduated 2004

Received the **President's Graduate Fellowship** for 2003-2004 awarded by NUS.

Currently working for Flextronics.

### **Undergraduate Honor Thesis Supervised**

Herman Sing (2003): A Framework for Implementing an Online Performance Measurement System.

Currently working for Exel.

Simonette C Santos (2003): A Study of Data Envelopment Analysis and Aspects of National Competitiveness. Currently pursuing graduate study in University of Cambridge, UK.

Lee Keng Leong (2004): ABC to Limited Flexibility: 'Food From the Heart' (Co-supervisor). Currently working for NOL. **This Thesis won the inaugural Undergraduate Thesis Competition organized by the Council of Logistics Management in 2004.**

Huang Yuan Qin (2004): An Extended Newsboy Problem. Currently pursuing graduate study in UC- Berkeley.

Low Peixin (2005): Chemical Shipping in the Asia Pacific: a Simulation Study. Currently working in ST Logistics.

Chua Yoke Tin (2005): Ship Routing and Inventory Planning Problem for Liquid Bulk Products. Currently working in NUH.

Gan Eng Kiat, Russell (2005): Strategic Alliances in the Chemical Shipping Industry. Currently working for the military.

Boo Boon Kiat, Joan (2005): An Overview of Container Terminal Processes and a Multi-Port Container Ship Stowage Problem. Currently working for a financial firm.

Lim Tat Shnenn (2008): Process Flexibility: A Programming Approach.

Lee Yi Hui (2010): Operating Room Scheduling: Case Study of NUH Endoscopy Centre.

Peiyang Wang (2011): Liquefied Natural Gas Value Chain: A Singapore Perspective

Yeo Sock Ern Deanna (2012): Design of a Bicycle Sharing System. Deanna received the **best undergraduate researcher award** (2011/2012). Currently working for General Electric.

Koh Yu (2012): Analysis of LNG Distributions.

Cheng Siew Fun (2013): Process Optimization Analysis for a Shipping Company. Her work helped a local shipping company for better scheduling and process design.

### **Undergraduate Consulting Practicum Supervised**

BBA Consulting Practicum (FSP4003 Field Service Project, 2012/13 Sem 1)

Project title: 3PL Operations Entitlement Study for 3M

Students: Alex Chan Hwa Kiat, Zhang Chenyin, Tham Wei Yao Mervin

3M Manager: Jonathan Yue

BBA Consulting Practicum (FSP4003 Field Service Project, 2012/13 Sem 1 & Sem 2)

Project title: 3M Correlation Study between Order Lines and RDC Costs

Students: Lee Ming Hwee, Teo Wei Jie Kenneth, Mak Yew Mun, Chen Zhang Fei Perry  
3M Manager: Jonathan Yue

### **Master of Science (Industry Project) Supervised**

Marcus Ang (SMA 2003): Inventory Routing and Transshipment. Pursued his PhD in NUS afterwards. Currently an Assistant Professor in Singapore Management University.

Luo Juan (TLIAP 2003): Workflow and Special Package Handling Procedure Analysis for Multinational Accounts (Co-supervisor). Currently working for UPS.

Christopher Boey (TLIAP 2003): Routing Design and Analysis. Currently working for DHL.

Lim Yong Beng (SMA 2004): Pricing and Returns Strategy for Short Life Cycle Products. Currently working for Farnell Components Pte Ltd, Singapore.

Lin Cheng (SMA 2004): Examine the Returns Policy from a Manufacturer's Perspective. Currently working for IS&S CIM MFG Science, Tech Semiconductor.

Asgeir Schonberg Brenne (TLIAP 2004): Global Supply Chain Design for Metals and Materials.

Guihua Wang. Graduated in Dec 2009. Service Parts Logistics in Asia Pacific. Currently working for UPS.

Zhang Rui. Graduated in Dec 2009. Process Mapping & Re-Engineering and Management & Operations Alignment of Small Package's Border Clearance and Supply Chain Solutions' Customs House Brokerage. Currently working for UPS.

Kevin Keene. Graduated in Dec 2009. Polyethylene Ersin Transportation Planning. Currently working for Exxonmobil.

Ramopoulos Vasileios. Graduated in Dec 2012. Jetty Allocation Management. Currently working for Stolthaven Singapore Pte Ltd.

Lin Jinbin, Graduated in Dec 2012. Reducing supply chain variability. Currently working for Texas Instruments.

Hasnain Hyder, Graduated in Dec 2012. Warehouse capacity management. Currently working for STMicroelectronics.

Hua Jie, Graduated in Dec 2013. Supply Chain Management Practicum Internship Project - Warehouse headcount & Structure.

Li Yongwei, Graduated in Dec 2013. Supply Chain Management Practicum Internship Project - Warehouse headcount & Structure.

Students: Chea Poh Keat, Chong Kai Shing, Koh Boon Kwang (August 2013 - May 2014)  
Project title: A study on Electrical Tariff of a High Tech Company  
Company: Global Foundries Pte Ltd

Students: Meng Yihong, Wu Fei, Koh Choon Wah (Jan - May, 2014)  
Project title: Put away strategy optimization in Caterpillar's warehouse - using Monte Carlo Simulation  
Company: Caterpillar Asia Pte Ltd

Students: Loh Kar Aik, Ivy Chan Lee Yee, Luo Danlin (Jan - May, 2014)  
Project Title: Determination of engine production process capability for Caterpillar Singapore Reman Plant Company: Caterpillar Reman Components and Work Tools Division, Singapore

### **MBA Management Practicum (BMA5901) Supervised**

2013/14 Semester 2:

Project title: National University Hospital - Optimal inventory management model/system for MMD (co-supervised with Sheila Wang)

Students: Wong Jye Yau; Mok Hui Yin; Reagan Wong Dykimching

### **Master Theses Examination Committees**

Chow Wai Yean (2003), MSc Logistics & Supply Chain Management, National University of Singapore.

Jiang Bo (2003), MSc High Performance Computation for Engineered Systems, Singapore-MIT Alliance.

Shan Dong Mei (2003), MSc High Performance Computation for Engineered Systems, Singapore-MIT Alliance.

Rojan Chitrakar (2003), MSc High Performance Computation for Engineered Systems, Singapore-MIT Alliance.

Ikhsan Ramdan (2003), MSc High Performance Computation for Engineered Systems, Singapore-MIT Alliance.

Jia Qin (2003), MSc High Performance Computation for Engineered Systems, Singapore-MIT Alliance.

Tong Kee Leng (2004), MSc Logistics & Supply Chain Management, National University of Singapore.

Tay Huay Ling (2004), MSc Logistics & Supply Chain Management, National University of Singapore.

Leong Choon Meng (2004), MSc Logistics & Supply Chain Management, National University of Singapore.

Reddy Chandra prakash (2004), M.Eng. Department of Chemical and Biomolecular Engineering, National University of Singapore. Thesis title: "Short term scheduling of crude oil operations".

Doan Xuan Vinh (2004), High Performance Computation for Engineered Systems, Singapore-MIT Alliance.

Tri Dung Nguyen (2004), High Performance Computation for Engineered Systems, Singapore-MIT Alliance.

Zhang Miao (2004), MSc Management, National University of Singapore.

Eric Lim Lip Hong (2005), MSc Logistics & Supply Chain Management, National University of Singapore.

Jitima Tanglertpanya (2005), MSc Logistics & Supply Chain Management, National University of Singapore.

Suresh Pitty Sivanandam (2005), M.Eng. Department of Chemical and Biomolecular Engineering, National University of Singapore. Thesis title: "Scheduling of serial multiproduct batch Processes".

Tan Ee Chong (2006), MSc Logistics & Supply Chain Management, National University of Singapore. Thesis title: "Implementation of RFID in Server Supply Chain Operations".

Madarapakam Pagadala Padmini (2006), MSc Logistics & Supply Chain Management, National University of Singapore. Thesis title: "Optimisation of Marketing using Catalogues as a Means".

Singh Tejpal (2006), MSc Logistics & Supply Chain Management, National University of Singapore. Thesis title: "Booking Control in Ocean Carrier Industry".

Huang Cheng (2006), M.Eng. Department of Chemical and Biomolecular Engineering, National University of Singapore. Thesis title: "Scheduling transshipment operations in maritime chemical transportation".

Tsui Wing Ching (2006), APEX Chinese MBA.

Wang Ru Hai (2006), APEX Chinese MBA.

Leo Tseng Yuan Ming (2006), APEX Chinese MBA.

Wen Bian (2007), M.Eng. Department of Civil Engineering, National University of Singapore. Thesis title: “Integrated forward and reverse logistics network design for third party logistics providers”.

Ankit Sharma, MSc Logistics & Supply Chain Management, National University of Singapore. Title: Conduct Work Measurement to Establish Labour Standard for Air Freight Operations, Nov 20, 2009.

Zhang Yao, MSc Logistics & Supply Chain Management, National University of Singapore. Title: How to Achieve Traditional Trade Channel Visibility  
An Empirical Study of A Software-as-A-Service Platform Implementation  
by A Global FMCG Organization in Malaysia, Nov 20, 2009.

Fung Mei Lai (2010), Chinese EMBA APEX-C Program.

Guo Zheng Ming (2010), Chinese EMBA APEX-C Program.

Chen Hong Quan (2010), Chinese EMBA APEX-C Program.

Lu Li Jian (2011), MSc Management, National University of Singapore. Title:

Risk Aversion Capacity Expansion: Capacity Deterioration, Strategic Sale, and Environmental Fluctuation.

He Wen Jun (2011), Chinese EMBA APEX-C Program.

Peng Hai Rong (2011), Chinese EMBA APEX-C Program.

Zhang Xu (2012), Chinese EMBA APEX-C Program.

Zhang Rong Mei (2012), Chinese EMBA APEX-C Program.

Tong Li Dan (2012), Chinese EMBA APEX-C Program.

Wei Chun Hui (2012), Chinese EMBA APEX-C Program.

Ceng Qing (2013), Chinese EMBA APEX-C Program.

Huang Qi Cai (2013), Chinese EMBA APEX-C Program.

Liu Liang, MSc Logistics & Supply Chain Management, National University of Singapore. Supply Chain Management Practicum Internship Project Title: Combined warehouse in Malaysia and Singapore, Dec 4, 2013.

Ni Chenrong, MSc Logistics & Supply Chain Management, National University of Singapore. Supply Chain Management Practicum Internship Project Title: Enhancing Response in Humanitarian Logistics through System Dynamics, Dec 4, 2013.

Ho Pan Hao Marc, Liang Weiming, Thng Zhi Xiong, MSc Logistics & Supply Chain Management, National University of Singapore. Supply Chain Management Practicum Internship Project Title: Humanitarian Logistics Landscape in Asia-Pacific, Dec 4, 2013.

胡建成 (2014), Chinese EMBA APEX-C Program.

陈春喜(2014), Chinese EMBA APEX-C Program.

施东升(2014), Chinese EMBA APEX-C Program.

CHUA TIAN FA DAMIEN, SAAD ASIF, XU XIAOFENG,  
MSc Logistics & Supply Chain Management, National University of Singapore. Supply Chain Management Practicum Internship, May, 2014  
Project Title: What capabilities does Damco need to develop to address the growing need for Fast Moving Consumer Goods (specifically household & hygiene) in the Emerging Markets of Southeast Asia by 2020  
Company: DAMCO Logistics

ZHU YUAN, ZHANG JIANHANG, ZHAO ZIYUAN.  
MSc Logistics & Supply Chain Management, National University of Singapore. Supply Chain Management Practicum Internship, May, 2014  
Project title: Inventory Model Study and Improvement for SKF Asia Pacific  
Company: SKF Asia Pacific Pte Ltd

### **Decision Sciences PhD Summer Paper Examination Committee**

Chen Zhi, PhD in Management, National University of Singapore, August 2014  
Paper title: A Robust Optimization Model for Ambulance Allocation and Relocation

### **Decision Sciences PhD Prelim Examination Committees**

Chen Wenqing, PhD in Management, National University of Singapore, March 2004

Wang Zuozheng, PhD in Management, National University of Singapore, March 2007

Zhang Su, PhD in Management, National University of Singapore, March 2007

Huang Junfei, PhD in Management, National University of Singapore, July 2010

Lu Iijian, PhD in Management, National University of Singapore, July 2010

Zhang Meilin, PhD in Management, National University of Singapore, July 2010

Qian Xuewen, PhD in Management, National University of Singapore, July 2010

Zheng Zhicao, PhD in Management, National University of Singapore, July 2010

### **PhD Theses Committees**

Shu Jia, PhD High Performance Computation for Engineered Systems, Singapore-MIT Alliance, July, 2003

Marcus Ang, PhD in Management, National University of Singapore, June 2008

Li Jie, PhD in Chem Engineering, NUS, expected July 2009

Zhang Su, Decision Sciences, PhD, Title: On Alternating Direction Methods for Monotropic Semidefinite Programming. Oral Defence: 21 Dec 2009.

Yeo Wee Meng, Industrial & System Eng, PhD, Thesis Committee member, Title: Inventory Network Optimization. 2011.

WANG QIANG Industrial & System Eng, PhD, Thesis Committee member, Title: BUNDLING RETAILING UNDER STOCHASTIC MARKET. Oral Defence: 27 November 2012.

Luo Yi Industrial & System Eng, PhD, Thesis Committee member, Title: MARITIME EMPTY CONTAINER REPOSITIONING WITH INVENTORY-BASED CONTROL. Oral Defence: 6 Dec 2012.

Yuan Xuchuan, Decision Sciences, PhD, Title: Capability, Competition and Social Interactions. Oral Defence: 19 Aug 2013.

### **NUS Peer Review Teams**

Dr. Boray Huang, ISE, April 2013

Dr. Lucy Chen, DS, April 2013

Dr Wang Qi Susie, Accounting, 26 August 2014