

Curriculum Vitae



Professor Leong Thin Yin

Professor, Business Programme
School of Business

Tel : +65 6248 0157

Education Qualifications

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| 1990 | PhD Management (Massachusetts Institute of Technology) |
| 1981 | Bachelor of Engineering, First Class Honours (National University of Singapore) |

Academic and Professional Experience

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| 2016 - Present | Professor, Singapore University of Social Sciences |
| 2014 - 2016 | Associate Professor, SIM University |
| 2003 - 2014 | Associate Professor, Singapore Management University |
| 2000 - 2003 | Consultant/Senior Vice-President (Information Technology), PSA Corporation |
| 1999 - 2000 | Senior Vice-President/Vice-President (Container Systems), PSA Corporation |
| 1998 - 1999 | Vice-President (Operations Planning & Research), PSA Corporation |
| 1998 - 1999 | Project Director (Automated Guided Vehicle), PSA Corporation |
| 1995 - 1997 | Operations Planning Manager, Port of Singapore Authority |
| 1984 - 1995 | Senior Lecturer/Lecturer/Senior Tutor, National University of Singapore |
| 1981 - 1984 | Project Engineer/Production Engineer, Hewlett Packard Singapore |
| 1997 - 2006 | National Service, Singapore Armed Forces (last held rank: Major) |
| 1974 - 1977 | National Service (Full-time), Singapore Armed Forces |

Memberships and Professional Activities

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| 2009 - 2011 | Member, Advisory Board, Singapore Institute of Materials Management |
| 2009 | Reviewer, ASTAR National Technology Award |
| 2002 - 2004 | Member, First Maritime R&D Advisory Panel, Singapore Maritime & Port Authority |
| 2001 - 2002 | Member, Departmental Consultative Committee, ISE Department, NUS |
| 1999 | Delegate, PSA Corp, 19th IAPH World Ports Conference, KL |
| 1996 - 1998 | Member, Port Experts Sub-group, APEC Transportation Working Group |

1996 - 1998	Member, Steering Committee, APEC Transportation Congestion Points Studies
1996	Delegate, SG government team, APEC Transportation WG Meeting, Vancouver
1996	Delegate, SG government team, OECD-Asia Emerging Economies Dialogue, Paris
1991	Member, Transportation Sectoral Study Group, IT2000, SG National Project Committee
1992	Member, Technical committee, Int'l Conf on Optimization Techniques & Applications
1990	Associated editor, Asia-Pacific Journal of Operational Research
1990	Contributing Editor, International Abstracts in Operations Research

Consultancy and Executive Experience

2011	PSA Corporation Ltd: Business Spreadsheet Modeling Workshop
2009	IDS Logistics International Ltd: Total Landed Cost Study
2009	John Wiley & Sons Australia Ltd: Support for Asia/Australia version of a Textbook
2008	Singapore Cruise Centre: Operations Analysis and Capacity Evaluation Study
2007	Y3/YCH: Supply Chain Restructuring Study
2007	EADS Singapore: Logistics R&D Landscape Study
2006	Prime Partners Corporate Finance Pte Ltd: Regional Financial Index Computation Study
2003	Singapore Cruise Centre: Operations Analysis and Capacity Evaluation Study
2003	Changi International Airport Services Pte Ltd: Ops Analysis & Capacity Evaluation Study
1995	Motorola Electronics Pte Ltd: Strategic Planning Review
1994	Chartered Institute of Transport: External Examiner
1992	The Polyolefin Company (S) Pte Ltd: Operations Analysis and Capacity Evaluation Study
1991 - 1992	Apple Computers Singapore Pte Ltd: Ops Planning and Executive Improvement Studies
1990 - 1991	Port of Singapore Authority: Operations Management Workshop

Research Interests

- Exploratory modeling for strategic, tactical and operational decision-support
- Conceptual design of complex manufacturing and service delivery systems
- Applications of IT in manufacturing, supply chain, and general services

Selected Publications

- **Leong TY** & MLF Cheong 2012. "Multi-party Multi-period Supply Chain Coordination," International Journal of Industrial and System Engineering 10(3):300-318.
- **Leong TY** & NL Ma 2011. "Inkjet Printer Pricing," INFORMS Transactions on Education 11(3):132-137
- **Leong TY** & WL Lee 2010. "Spreadsheet Modeling to Determine the Optimum Hotel Room Rate for a Short High-Demand Period," INFORMS Transaction on Education 11(1): 35-42.
- **Leong TY** & MLF Cheong 2009. "Spreadsheet Modeling of Hotel Room Sales and Demand Distribution Estimation," Decision Sciences Journal of Innovative Education 7(1): 89-97.

- **Leong TY** & MLF Cheong 2008a. "Spreadsheet Modeling of Equipment Acquisition Plan," Decision Sciences Journal of Innovative Education 6(2): 365-373.
- **Leong TY** & MLF Cheong 2008b. "Teaching Business Modeling using Spreadsheets," INFORMS Transactions on Education 9(1):20-34.
- **Leong TY** & WL Lee 2008. "Spreadsheet Data Resampling for Monte-Carlo Simulation," Spreadsheet in Education 3(1):70-78.
- **Leong TY** 2007a. "Monte Carlo Spreadsheet Simulation using Resampling," INFORMS Transactions on Education 7(3):188-200.
- **Leong TY** 2007b. "Simpler Spreadsheet Simulation of Multi-server Queues," INFORMS Transactions on Education 7(2):172-177.
- **Leong TY** & CH Chu 2007. "Wireless Network Design: a Space-filling Curve Approach," International Journal of Mobile Network Design and Innovation 2(3-4):180-189.
- Lau HC, SF Cheong, **TY Leong**, JH Park & ZY Zhao 2007. "Multi-period Combinatorial Auction Mechanism for Distributed Resource Allocation and Scheduling," IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT), Nov: 407-411, San Jose, USA.
- Zhao ZY, **TY Leong**, SS Ge & HC Lau 2007. "Bidirectional Flow Shop Scheduling with Multi-Machine Capacity and Critical Operations Sequencing," IEEE Multi-Conference on Systems and Control, October, Singapore.
- **Leong TY** & HC Lau 2007. "Generating Job Schedules for Vessel Operations in a Container Terminal," 2nd Multidisciplinary International Conference on Scheduling: Theory and Applications (MISTA), August, Paris, France.
- **Leong TY** & CH Chu 2007. "Wireless Network Design: a Space-filling Curve Approach," 6th International Conference on Information and Management Sciences, July 1-6, Lhasa, Tibet, China (won the conference's best paper award).
- Bish EK, FY Chen, **TY Leong**, BL Nelson, JWC Ng & D Simchi-Levi 2005. "Dispatching Vehicles in a Mega Container Terminal," OR Spectrum 27(4):491-506.
- Bish EK, **TY Leong**, CL Li, JWC Ng & D Simchi-Levi 2001. "Analysis of a New Vehicle Scheduling and Location Problem," Naval Research Logistics 48(5):363-385.
- **Leong TY** & SP Ladany 2001. "Optimal Cruise Itinerary Design Development," International Journal of Services Technology and Management 2(1/2):130-141.
- Hum SH & **TY Leong** 1995. "A Multistage Framework for Understanding and Managing Industrial Automation," International Journal of Vehicle Design 16(2/3):140-149.
- Bitran G & **TY Leong** 1995. "Co-production of Substitutable Products," Production Planning and Control 6(1):13-25.
- Bitran G & **TY Leong** 1992. "Deterministic Approximations to Co-production Problems with Service Constraints and Random Yields," Management Science 38(5):724-742.