

Curriculum Vitae



Associate Professor Tan Yan Weng

Head, Logistics and Supply Chain Management Programme
School of Business

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Education Qualifications

1984	MEngSc (Transport), Monash University, Australia
1981	BE (Hons IIA) in Civil Engineering, Monash University, Australia

Academic and Professional Experience

2015 - 2018	Head of Programme, Master of Management [Urban Transportation]
2009 - 2010	Head of Programme, Visual Communications with Business
2008 - Present	Head of Programme, Logistics and Supply Chain Management
2008 - Present	Associate Professor, Singapore University of Social Sciences
1999 - 2008	Associate Professor, Nanyang Technological University
1993 - 1998	Senior Lecturer, Nanyang Technological University
1988 - 1992	Lecturer, Nanyang Technological Institute
1983 - 1988	Civil Engineer/Transport Planner, Perunding Bersatu Sdn Bhd, Malaysia

Memberships and Professional Activities

2019 - Present	Institution Representative, Membership Council, Supply Chain Asia
2018	Invited Speaker, Essentials of Supply Chain Management, SkillsFuture Festival Launch in June and SkillsFuture Learning Festival @SMU in July
2018 - Present	External Examiner, Diploma in Logistics and Operations Management, School of Business, Temasek Polytechnic
2016	Local Chair, 8th International Conference on Logistics and Transport, Singapore
2016	Member, Academic Audit of SIM Global Education-University of Warwick's Programmes
2015	Invited Speaker, Singapore's experience with PPP development, Asia-Pacific Economic Cooperation Workshop on promoting Public-Private Partnership to develop dry ports and logistics parks in order to enhance APEC's supply chain connectivity, Hanoi, Vietnam, May

2014	Member, Internal Audit Committee, SIM University
2013 - Present	Member, International Scientific Committee, International Conference on Logistics and Transport
2013 - Present	Co-Organiser (with Singapore Logistics Association), Supply Chain Challenge [National pre-university logistics case competition held annually from 2013 to present]
2013	Invited Speaker, Managing Logistics and Supply Chain Challenges: Singapore Insights and Perspectives, Young Logistics Professionals Forum, FIATA Singapore 2013, October
2013	Member, Academic Audit of SIM Global Education-RMIT University's Programmes
2012 - Present	Chairman, Training Advisory Committee, Singapore Logistics Association
2012	Judge, Supply Chain Challenge 2012
2010	Co-Organiser (with Singapore Logistics Association), Public Seminar on Supply Chain Safety and Security Practices
2009	Member, Academic Audit of SLA Higher Diploma in Supply Chain Management
2009 - Present	Member, Singapore Institute of Management
2005 - 2008	Member, Editorial Board, CEE Research Bulletin, Nanyang Technological University
2005	Invited Speaker, Computer simulation approach to evaluate performance of parking systems, 1st Parking Systems and Methodologies Conference in the ASEAN Region, Singapore, October
2002	Member, Organising Committee (Publicity), International Conference on Seamless and Sustainable Transport, Singapore
1998	Chairman, Organising Committee, International Conference on Transportation into the Next Millennium, Singapore
1988 - Present	Chartered Member, Chartered Institute of Logistics and Transport, Singapore
1994	Member, Organising Committee (Exhibition), International Conference on Advanced Technologies in Transportation and Traffic Management, Singapore
1992 - 1994	Member, Editorial Board, Singapore Transport and Logistics Journal
1990 - 1992	Board Member, Chartered Institute of Logistics and Transport, Singapore

Consultation and Executive Experience

2019 - Present	Ong Teng Cheong Labour Leadership Institute (with International Transport Workers Federation): Study of Employment and Workforce Skills in Singapore's Transport Sectors
2018	SkillsFuture Singapore: Co-Ideation Workshop and Validation Session on Digital Skills Roadmap for Logistics
2017 - Present	Port Officers' Union: Coordinator of Professional Development Seminars on - "Trends in the Port and Shipping Industry", October 2017 (with Yap Wei Yim) "Ports and Cold Chain Management", March 2018 (with Tay Huay Ling) "Ports and Warehousing Logistics: E-Commerce Supply Chain, September 2018
2016	SkillsFuture Singapore: Validation Sessions on Skills Framework for Logistics

2016	Transport Education and Training Authority, South Africa: Coordinator (with Jenson Goh) on International Leadership Development Programme
2012	Republic of Singapore Air Force: Coordinator of Short Course on “Supply Chain Management”
2011	Land Transport Authority: Focus group discussion on LTA’s Traffic Impact Assessment Guidelines
2009	Land Transport Authority: Short course on “Traffic Survey and Analysis” and “Traffic Flow Analysis”
2009	Singapore Sports Council: Traffic Impact Assessment Study for Changi Motorsports Hub
2009	Jurong Town Corporation: Traffic Feasibility Study for Pre-designing and Clustering of Logistics Buildings
2008	Singapore Aero Engine Services Pte Ltd: Traffic Impact Assessment Study for Proposed Extension to Existing SAESL Complex
2008	Boustead Projects: Traffic Impact Assessment Study for Industrial Development along Upper Changi Road North
2008	IDS Logistics Services Pte Ltd: Traffic Impact Assessment Study for Proposed Logistics Warehouse at Kallang
2007 - 2008	Housing and Development Board: Parking Provision Norms for HDB Carparks
2007 - 2008	Land Transport Authority: Speed-Flow Relationships for Singapore Roads
2005	Cycle & Carriage Industries Pte Ltd: Traffic Impact Assessment Study for Alexandra Complex
2002	CapitaLand Commercial Project Management Pte Ltd: Traffic Impact Assessment Study for Redevelopment of the former Pidemco Centre
1996 - 1998	Land Transport Authority: The 1997 Singapore Travel Survey Study
1994 - 1995	Cathay Organisation Pte Ltd: Traffic Impact Assessment Study for Redevelopment of Orchard Theatre
1993 - 1995	Public Works Department: Yellow Band and Deviation Bollards at Bus Stops
1992 - 1993	Public Works Department: Parking Provision Standards for Office and Commercial Land Uses
1991 - 2007	Singapore Cooperation Programme, Ministry of Foreign Affairs: Short courses on “Urban Traffic Management and Control”, and “Urban Transport Planning and Design” for transport officials from the region
1991 - 1992	Public Works Department: Driver Behaviour in Central Expressway Tunnels
1989 - 1990	Public Works Department: Speed-Flow Model for Traffic within the Restricted Zone

Research Interests

- Supply Chain Management
- Logistics and Freight Studies
- Transport Planning and Management

Selected Publications

Books and Chapters:

- Tan, Y.W., Sim, T. and De Souza, R. (Eds) (2014). *Managing Logistics and Supply Chain Challenges: Singapore Insights and Perspectives*, Cengage Learning Asia Pte Ltd, Singapore, 467 pp, ISBN: 978-981-4524-86-5.
- Sim, T., Tan, Y.W. and De Souza, R. (2014). The evolution of Singapore's logistics and supply chain management industry, In Tan, Y.W., Sim, T. and De Souza, R. (Eds), *Managing Logistics and Supply Chain Challenges: Singapore Insights and Perspectives*, Cengage Learning Asia Pte Ltd, Singapore, pp 1-25.
- Young, W. and Tan, Y.W. (2005). Data and parking simulation models, In Kitamura, R. and Kuwahara, M. (Eds) *Simulation Approaches in Transportation Analysis: Recent Advances and Challenges*, Springer, New York, pp 235-267, ISBN: 978-0-387-24108-1.
- Fan, H.S.L., Lam, S.H., Menon, A.P.G., Luk, J.Y.K., Lum, K.M., Olszewski, P., Tan, Y.W. and Wong, Y.D. (Eds) (2002). *Seamless and Sustainable Transport*, Centre for Transportation Studies, Nanyang Technological University, 229 pp, ISBN: 981-04-7919-0.
- Chin, K.K., Do, M.A., Fan, H.S.L., Lam, S.H., Luk, J.Y.K., Lum, K.M., Tan, Y.W. and Wong, Y.D. (Eds) (1998). *Transportation into the Next Millennium*, Centre for Transportation Studies, Nanyang Technological University, 401 pp, ISBN: 981-04-0586-3.

Journal Papers:

- Goh, J.C.L, Loo, D., Chong, C.S., and Tan, Y.W. (2015). Improving recycling and reducing contamination of recyclables through innovative bin design, *Journal of Management Systems*, Vol.25, No.4. [ISSN #1041-2808]
- Tan, Y.W. and Fan, H.S.L. (2004). Discussion: Traffic generated by office and retail developments in Singapore, *Proceedings of Institution of Civil Engineers: Transport*, UK, TR157(4), pp 263-263.
- Tan, Y.W. and Fan, H.S.L. (2003). Traffic generated by office and retail developments in Singapore, *Proceedings of Institution of Civil Engineers: Transport*, UK, TR156(4), pp 189-199.
- Lum, K.M. and Tan, Y.W. (2003). Driver response at a signalized T-intersection during an amber blackout, *Transportation Research Part F: Psychology and Behaviour*, USA, 6(3), pp 183-195.
- Fan, H.S.L. and Tan Y.W. (2001). Trip generation of retail developments in Singapore, *Journal of the Institute of Transportation Engineers*, USA, 71(9), pp 30-34.
- Tan, Y.W. and Fan, H.S.L. (1995). Bus service characteristics of an integrated ticketing system, *Journal of the Institution of Engineers*, Singapore, 35(2), pp 20-25.
- Olszewski, P., Fan, H.S.L. and Tan, Y.W. (1995). Area-wide traffic speed-flow model for the Singapore CBD, *Transportation Research Part A: Policy and Practice*, USA, 29(4), pp 273-281.
- Tan, Y.W., Fan, H.S.L. and Wong, Y.D. (1992). Headway distribution of traffic flow on Pan Island Expressway, *Journal of the Institution of Engineers*, Singapore, 32(2), pp 53-58.
- Olszewski, P. and Tan, Y.W. (1991). Traffic in the central area – part II: speed characteristics, *Journal of the Institution of Engineers*, Singapore, 32(2), pp 21-27.

Conference Papers:

- Yap, W.Y. and Tan, Y.W. (2019). Shipping connectivity in the context of the 21st century maritime silk road for Southeast Asia and the Indian Ocean, *27th Annual Conference of the International Association of Maritime Economists (IAME)*, Athens, Greece, June.
- Yang, J., Tay, H.L., Li, F. and Tan, Y.W. (2018). An empirical research on the choice of international multimodal transport organisation forms—a case of China (Chongqing)-Singapore strategic interconnection demonstration project, *10th International Conference on Logistics and Transport*, Okinawa, Japan, November.
- Yong, F.Y., Halim, T. and Tan, Y.W. (2017). Pursuing supply chain excellence at a regional service centre, *9th International Conference on Logistics and Transport*, Bangkok, Thailand, November.
- Lau, K.H., Goh, J. and Tan, Y.W. (2016). Managing stockout and overstock of imported grocery products in a supermarket chain, *8th International Conference on Logistics and Transport*, Singapore, September.
- Liu, H., Chan, D., Tay, H.L. and Tan, Y.W. (2016). Reducing excess inventory in a high-mix low-volume manufacturing setting, *8th International Conference on Logistics and Transport*, Singapore, September.
- Loo, D.L., Chong, C.S., Goh, J. and Tan, Y.W. (2015). Improving the recycling rate and reducing contamination of recyclables through innovative bin design, *20th Asia Pacific Decision Sciences Institute Conference*, Hong Kong.
- Tan, Y.W. and Banomyong, R. (2015). Public private partnerships in logistics and transport: the Singapore experience, *7th International Conference on Logistics and Transport*, Lyon, France, November.
- Lum, K.M. and Tan, Y.W. (2014). Innovation barriers in the warehousing industry, *6th International Conference on Logistics and Transport*, Kuala Lumpur, Malaysia, August.
- Tay, C.W., Rao, B.G. and Tan, Y.W. (2014). Increasing the warehouse productivity through process improvement, *6th International Conference on Operations and Supply Chain Management*, Bali, Indonesia, December.
- Wong, K.M., Halim, T. and Tan, Y.W. (2013). Improvement to the freight management of ITAR controlled items using lean six sigma, *IEEE International Conference on Industrial Engineering and Engineering Management*, Bangkok, Thailand, December.
- Tai, V., Ee, M. and Tan, Y.W. (2013). Challenges in delivery fulfilment of online shopping, *5th International Conference on Logistics and Transport*, Kyoto, Japan, November.
- Yap, W.Y. and Tan, Y.W. (2013). Container shipping trends and their impact on port development and competitiveness, *5th International Conference on Logistics and Transport*, Kyoto, Japan, November.
- Tan, Y.W. and Wai, H.R. (2012). Evaluating the performance of logistics service providers, *4th International Conference on Logistics and Transport*, Chiang Mai, Thailand, November.
- Lum, K.M. and Tan, Y.W. (2011). Study on logistics integration in Singapore, *3rd International Conference on Logistics and Transport & 4th International Conference on Operations and Supply Chain Management*, Malé, Maldives, December, pp 491-498.
- Tan, Y.W. and Young, W. (2004). Simulation support for modelling traffic and parking in urban developments, *4th International Conference on Decision Making in Urban and Civil Engineering*, Porto, Portugal, October, 10 pp.

- Tan, Y.W. and Young, W. (2003). The efficient design of traffic systems in and around multi-storey parking facilities, *21st Australian Road Research Board / Road Engineering Association of Asia and Australasia Conference*, Cairns, Australia, May.
- Tan, Y.W. and Young, W. (2002). Modelling traffic and parking in multi-storey parking systems, *International Conference on Seamless and Sustainable Transport*, Singapore, November, pp 125-134.
- Young, W. and Tan, Y.W. (2002). Data and discrete event parking simulation models, *International Symposium on Transport Simulation*, Yokohama, Japan, August, 20 pp [Invited Presentation].
- Tan, Y.W. and Fan, H.S.L. (2000). Trip generation of major land use developments in Singapore, *10th Conference of Road Engineering Association of Asia and Australasia*, Tokyo, Japan, September, 10 pp.
- Olszewski, P. and Tan, Y.W. (1998). Highway capacity research in Singapore, *3rd International Symposium on Highway Capacity*, Copenhagen, Denmark, June, pp 115-124.
- Tan, Y.W. and Olszewski, P. (1994). Highway capacity research and applications in Singapore, *2nd International Symposium on Highway Capacity*, Sydney, Australia, August, pp 147-156.
- Tan, Y.W., Fan, H.S.L. and Wong, Y.D. (1992). Trip characteristics of households in Singapore, *7th Conference of Road Engineering Association of Asia and Australasia*, Singapore, June, 1, pp 182-189.
- Olszewski, P., Fan, H.S.L., Menon, A.P.G. and Tan, Y.W. (1992). Traffic speed-flow study in the Singapore CBD, *7th Conference of Road Engineering Association of Asia and Australasia*, Singapore, June, 1, pp 84-92.
- Tan, Y.W., Gipps, P.G. and Young, W. (1984). A model of platoon dispersion, *12th Australian Road Research Board Conference*, Australia, August, 12(5).
- Tan, Y.W. (1981). A platoon dispersion model, *3rd Conference of Australian Institutes of Transport Research*, Melbourne, Australia, December, 5 pp.

Awards

2015	Supply Chain Educator of the Year [awarded by Supply Chain Asia]
1981 - 1983	Monash Graduate Scholarship
1981	Scott and Furphy Prize for final year elective in Transport Engineering

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