

## **Faculty Members of MSc Supply Chain Engineering Programme**



### **Dr Rajesh Piplani (Programme Director - MSc Supply Chain Engineering Programme)**

Dr. Rajesh Piplani is the director of M.Sc. (Supply Chain Engineering) program at NTU. He obtained his M.S. in Industrial Engineering from Arizona State University in 1990, and his Ph. D. from Purdue University in 1995. Dr. Piplani is listed in Marquis Who is Who in Science and Engineering in USA (1998-1999).

He has over seven years of industry experience in India and USA in the areas of Supply-chain management and production planning of power plant equipment and semiconductor fabrication facilities.

Since 1998, he has been on the faculty of NTU. He was Program Manager, Integrated Manufacturing and Service Systems (IMSS) for Singapore funding agency A\*Star, managing the SGD 8 Million program. He is an associate consultant with Y3 Technologies. He also sits on the eSCM council of Singapore Manufacturers Association and council of Supply Management Institute of Germany.



### **Dr Chen Songlin**

Dr. CHEN Songlin is currently a Senior Lecturer and Assistant Chair for Graduate Studies at the School of Mechanical and Aerospace Engineering in the Nanyang Technological University, Singapore. His research is focused on the design and operations of advanced manufacturing/service systems, with special interest in mass customization, system reliability and risk analysis, supply chain coordination and contracting. Dr. Chen obtained his Ph.D. degree in Industrial Engineering and Engineering Management from the Hong Kong University of Science & Technology. Prior to that, he had a Bachelor degree in Aerospace Engineering from the National University of Defence Technology in China and a Master degree in Aeronautics and Astronautics from Stanford University in U.S.



### **Dr Li Dong**

Dr. Li Dong is currently a Senior Lecturer at the School of Mechanical and Aerospace Engineering in the Nanyang Technological University, Singapore.

Dr. Li obtained his Ph.D degree in Management Science from the Rotterdam School of Management, Erasmus University, Rotterdam, The Netherlands. Prior to that, he obtained Master of Science in Manufacturing (Industrial) Engineering from Shanghai Jiao Tong University, Shanghai, China, and Bachelor degree in Mechanical Engineering from the Wuhan University of Science and Technology, Wuhan, China.

Prior to joining NTU, Dr. Li worked as an Advanced Scientist at A\*STAR, Singapore. Before joining the A\*STAR, he was an Assistant Professor at Lingnan College / School of Business, Sun Yat-sen University, Guangzhou, China, and a Research Fellow at MIT-SUTD International Design Center, Singapore University of Technology and Design, Singapore. His research is focused on Supply Chain Management, Business Model Innovation, and Sustainable Operations.



### **Dr Lum Kit Meng**

Dr. Lum Kit Meng graduated with First Class Honours in Civil Engineering and a Master of Science in Industrial Engineering from the National University of Singapore. He also holds a Master of Science Degree in Engineering and a PhD Degree in Transportation Engineering. He is a qualified Professional Engineer practicing in Singapore.

Since 1988, Dr. Lum began his academic career with the School of Civil and Environmental Engineering, Nanyang Technological University (NTU). At NTU, he teaches traffic and transportation engineering courses at undergraduate and postgraduate levels for civil engineering students. In addition, he teaches logistic courses such as warehousing for Maritime Studies students and MSc in Supply Chain Engineering. His research interests include transportation systems engineering, traffic demand and operations research modelling.

Besides, Dr. Lum has served in the Training Advisory Committee (TAC) as a board member of The Logistics Academy (TLA) for several years. He was an External Examiner for the Diploma Program in International Supply Chain Management offered by Ngee Ann Polytechnics from 2011 to 2015. In addition, he provides consultancy services in transportation and warehousing operations.



### **Dr Teo Chee Chong**

Dr. Teo is currently Principal Lecturer and Associate Chair (Students) at the School of Civil & Environmental Engineering, NTU. His current research interests are in the application of operations research to solve problems in supply chain, production and service operations. He had worked on research projects with companies such as Keppel Offshore and Marines (Singapore), DHL Supply Chain, Neptune Orient Lines (awarded NOL Fellowship 2012) and Dell Inc. (North America). His research has been published in major operations management journals such as Manufacturing & Service Operations Management, Production & Operations Management, European Journal of Operational Research, NIE Transactions and International Journal of Production Economics.

At NTU, he teaches supply chain and logistics courses at both bachelor and master levels. Courses that he had taught include Intermodal Transportation, Distribution & Warehousing, Shipping Logistics and Transportation (Singapore) from 2016 to 2024 May.

He received his B.Eng (Mechanical) from the Nanyang Technological University and PhD in Manufacturing Systems & Technologies under the Singapore-MIT Alliance program, which is an education and research collaboration between NTU (Singapore), NUS (Singapore) and Massachusetts Institute of Technology.



## **Mr Au Yang Sian**

Mr. Au Yang Sian is a seasoned practitioner in global procurement, sourcing, and supplier management with over 20 years of experience in the supply chain industry. He excels in investment optimization and operational planning across the APAC region, leveraging data analytics to navigate VUCA environments, such as during the Fukushima nuclear crisis and the COVID-19 pandemic, where he played critical roles in supplying essential medicines and components.

His extensive experience includes managing suppliers across China and India, spearheading cost optimization initiatives, and driving significant improvements in service levels and operational efficiency, where he managed a procurement portfolio of £30 million for an engineering organization. His tenure at Ferrero as the Supply Chain Director for S.E.A. saw a significant improvement in service levels managing supply chain activities, including the relationship with the major regional distributors.

Equipped with multi-disciplinary qualifications that include an L.L.M. in International Business Law, MSc. degrees in Logistics and Environmental & Sustainability Management, and a Global M.B.A., enable him to have a holistic understanding of the intricate intersections of issues faced by organizations.



## **Mr Edward Lau Chung Wai**

Mr. Edward C. W. Lau is the Chief Executive | Director of Pointline Enterprise Private Limited, a strategic consulting firm specializing in aviation, supply chain management, transportation, e-commerce fulfillment, joint-venture establishments, and M&A organization integrations. Previously, he served as President, Asia of Landmark Global, a wholly owned company of bpost, facilitating international expansions for cross-border e-commerce businesses.

Mr. Lau also held the CEO position at Jetstar Hong Kong Airways and spent over a decade at TNT Express, where he spearheaded significant roles including Managing Director Hong Kong and Regional Director, Global Account Management, Asia Pacific. With a background that includes founding roles at Federal Express in Asia Pacific and positions at Rosenbluth International and the Hay Group, Mr. Lau brings over 30 years of extensive leadership and industry expertise.

Mr. Lau holds a Graduate Diploma in Business Communications from The Chinese University of Hong Kong and a Postgraduate Award in Management and Business Studies from the University of Warwick, UK. Mr. Lau is a Chartered Fellow at the Chartered Institute of Logistics & Transport, serving as Vice-Chairman & Board Director at CILT-Singapore and Global Advisor to Women in Logistics & Transport (WiLAT). He is also an Associate Lecturer at Nanyang Technological University and Singapore University of Social Sciences, contributing to several prestigious MBA programs. Mr. Lau actively supports corporate mentorship programs and educational governance, reflecting his commitment to industry and community leadership.



### **Dr Goh Shao Hung**

Dr. Goh Shao Hung is an adjunct faculty member at the School of Mechanical and Aerospace Engineering, Nanyang Technological University, Singapore. His research and teaching interests include supply chain management, operations management, logistics and transportation, and business analytics.

With over 15 years of industry experience, Dr. Goh has worked with multinational companies in roles at a major supply chain services provider and a container shipping line. He currently runs a logistics consultancy. His professional skills encompass strategy development, driving transformational growth, and facilitating executive workshops. As a Chartered Financial Analyst (CFA), he also has extensive experience in mergers and acquisitions (M&A) and joint ventures (JV) in the logistics industry across the Asia-Pacific region.

Dr. Goh holds a PhD in Management Science from Lancaster University, an MSc in Logistics and Supply Chain Management from the National University of Singapore, and an MSc in Industrial Engineering from the Georgia Institute of Technology.