

Workshop on Sustainable Logistics and Transportation in Mega-Cities

It is estimated that 70% of the world population will reside in cities by 2050, among which 57% in emerging-market cities (BCG, 2010). Mega-cities, such as Beijing, Shanghai, and Singapore, are the main drivers as well as beneficiaries of a paradigm toward sustainable logistics.

This workshop aims at communicating and discussing the challenges and solutions for complex logistics planning and operations to ensure sustainability in mega-cities. We address issues faced by city logistics planners as well as services providers, such as logistics operations and services for last-mile delivery, multi-party coordination and collaboration, coordination of freight and passenger transportation within and between mega-cities, carbon emission reduction and fuel economy improvement, etc.

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Venue: Shunde Building, Room N510 (conference room)
Department of Industrial Engineering, Tsinghua University

Date and time: December 13, 2012 (Thursday), 9:00-17:00

Schedule

Morning sessions

8:50 – 9:00: Welcome & introduction

9:00 – 9:55: Multiagent traffic management

Bo AN, Associate Professor, Institute of Computing Technology, Chinese Academic of Sciences

9:55 – 10:50: Business challenges and opportunities for city logistics

Hongwei (Phil) DING, Senior Manager, Logistics and Supply Chain Management, IBM China Research Laboratory

10:50 – 11:05: Tea break

11:05 – 12:00: Coordinating transportation of freight and people to improve sustainability

Hoong Chuin, LAU, Associate Professor, School of Information Systems, Singapore Management University; Director (Special Projects), The Logistics Institute Asia Pacific, National University of Singapore

Afternoon sessions

14:00 – 14:55: Air traffic control between mega-cities in China

Zhe LIANG, Assistant Professor, Department of Industrial Engineering and Management, Peking University)

14:55 – 15:50: Optimization of last-mile pickup and delivery for day definite service

Weiyan WU, Vice President, TNT Hoau Group, TNT Greater China

Jeroen DE BOER, Project Officer, Network Optimisation, TNT Hoau Group, TNT Greater China

15:50 – 16:05: Tea break

16:05 – 17:00: Cost, carbon emission, and congestion in simultaneous pickup and delivery

Lei ZHAO, Associate Professor, Department of Industrial Engineering, Tsinghua University