

## 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.

Organizer: Operations & Services Research (TOpS) Laboratory  
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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