



2014

Shandong University International Summer School on Transportation

Analysis, Design, Management and Simulation

Jinan, China

Project-based learning (PBL)
Hands-on practice on traffic issues in China!

Dates: August 4th to 15th, 2014

Location: Jinan, Shandong, China

Application: sduss-trans@sdu.edu.cn

Language: English

Website: www.iss.sdu.edu.cn/trans

No tuition
No application fee
Free accommodation
Free culture tour
Scholarship offered





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Shandong University International Summer School on Transportation

August 4th to 15th, Jinan, China

Courses offered:

- **Traffic surveys: manual methods and IT technologies**
- **Transportation network design and engineering design: towards efficiency, sustainability and safety**
- **Traffic control, operations and evaluations**
- **Introduction to AutoCAD, VISSIM, data mining techniques etc.**

Seminars offered:

- **Transportation management practices in China, Korea and Taiwan**
- **Traffic control, operations and ITS in USA, Korea and China**
- **Big data in transportation and a case study in Jinan, China**
- **TOD and APTS system in Taiwan**

Highlights:

- **Understanding the situation in China, the most complex transportation issues in the world**
- **Real world hand-on practice on analysis, design and evaluation**
- **Teamwork with people from different countries/regions.**
- **Unique experiment of the Chinese culture**

Sponsors:

- Ministry of Education of the People's Republic of China
- Center for Comprehensive Transportation Research and Technology, Shandong University, China



Shandong University International Summer School

on Transportation (August 3rd to August 15th)

2014

		Morning Session	Afternoon Session
	Sun. Aug. 3	- Registration	
1	Mon. Aug. 4	- Welcome address - Orientation of the campus services and local area - Student introduction	- Introduction to the program - Transportation in Jinan and its transit metropolis strategy - Welcome dinner banquet
2	Tue. Aug. 5	- Traffic surveys: design, manual methods, and IT technologies - Multi-source information and data mining techniques for real-world data in Jinan, China	- Site tours to local intersections and BRT/bus riding - City tour
3	Wed. Aug. 6	- Transportation design: towards efficiency, sustainability and safety - Group division for the term-project	- ITS development in China - Big data in transportation and a case study in Jinan, China - Optional course: introduction to AutoCAD (Evening)
4	Thu. Aug. 7	- Culture tour to Qufu, the hometown of Confucius	
5	Fri. Aug. 8	- Group discussion: survey design and preliminary data analysis	- Site survey and data collection - Optional course: VISSIM
6	Sat. Aug. 9	- Theories and practice on traffic controls and operations	- Theories and practice on traffic controls and operations - Beijing opera show (Evening)
7	Sun. Aug. 10	- Transportation network design from the planning perspective	- Transportation network design from the planning perspective
8	Mon. Aug. 11	- Transportation management and ITS development in Korea	- TOD and APTS system in Taiwan
9	Tue. Aug. 12	- Culture tour to Mount Tai	
10	Wed. Aug. 13	- Transportation management in Jinan, China	- Group discussion on the term-project and/or site survey
11	Thu. Aug. 14	- Group presentation of term-project	
12	Fri. Aug. 15	- Graduation and certificate issuing ceremony	- Group discussions about future transportation - Farewell dinner party

The schedule of the program is subject to change.

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Contact: sduss-trans@sdu.edu.cn