



南京

The 7th **Asia-Pacific**

**Transportation Development Conference
& the 21ST IOTPA 2008 Annual Meeting**

Nanjing, China.

May 25 to 28, 2008

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About ICTPA

The International Chinese Transportation Professionals Association (ICTPA) was founded on January 10, 1987. The purpose of ICTPA is to promote the professional development of its members by fostering fellowship and cooperation among its members and by maintaining a central point of reference and deliberation.

In an effort to promote local activities, there are currently four ICTPA Chapters: Northeastern United States, Southern California, Northern California and Washington, D.C., Chapters. Each chapter has its own regular meetings and activities. If you are interested in joining an individual chapter's activities, please contact their designated coordinator, or check ICTPA website www.ictpa.org.

Please mark on your calendar for our 2009 conference, **the 22nd ICTPA Annual Meeting will take place in New York City, U.S.A., in May 2009.**

Welcoming Remarks

Dear Conference Participants:

It is my great pleasure to welcome you all to Nanjing, China. This 7th *Asia-Pacific Transportation Development Conference* and the 21st *ICTPA Annual Meeting* mark major milestones for our organization - the International Chinese Transportation Professional Association (ICTPA). Starting this year, we have entered our third decade of existence.

Over the past 20 years, ICTPA has evolved from a small group of transportation planners and engineers into an organization with four chapters in the United States (a fifth chapter is now being formed), as well as hundreds of members and friends in China, Taiwan, Hong Kong, and Singapore. Our goals are to: 1) foster opportunities for information and technological exchange among transportation planners and engineers in the U.S. and the Pacific Rim; and 2) create networking opportunities for all.

In working toward these goals, we have collaborated with organizations outside the U.S. for our annual conferences. We have thus far held annual conferences in Beijing, Taipei, Hong Kong (twice), and Macau, and we will continue to expand our relationships with other professional transportation organizations on both sides of the Pacific Ocean. Early this year, we worked with the Institute of Transportation Engineers (ITE) in the U.S. ITE has agreed to create a dedicated session showcasing exemplary projects in China, Taiwan, and Hong Kong at its upcoming annual conference in Anaheim, California (August 17-20, 2008). The showcase session will be held on Tuesday, August 28, and I hope you will be able to join us there.

We are gathering here today because we believe that our work will profoundly impact the world in a positive way, allowing our societies to thrive. Transportation infrastructure drives the engine that sustains economic prosperity. Without an efficient transportation system, individual mobility and the movement of goods are hampered, thus hindering economic productivity. On the other hand, because transportation systems consume large amounts of fossil fuels, a significant issue has arisen over escalating oil prices (now exceeding \$120 a barrel) and gasoline prices (which have doubled in the past year). In addition, the wide use of automobiles has a tremendous impact on air pollution and global warming. What can be done to reconcile these issues? Issues of mobility and accessibility affect all people - rich and poor, young and old, male and female. Part of our responsibilities also includes addressing the issues of social and economic equity, making sure the society as a whole would be benefitted. All of the above issues will hopefully become topics for discussion and problem solving during this conference.

As the world continues to urbanize, the transportation strategies necessary to address transportation issues grow ever more complex. Regardless of the strategies, however, our inevitable direction is multi-modal transportation—which is why the topic was chosen for this year's conference. I hope you enjoy this conference, including the over 90 technical presentations as well as the networking opportunities!

I look forward to meeting you all individually.

Warm regards,



Chi-Hsin Shao,
President of ICTPA

Conference Program Diagram

| DAY 1: SUNDAY, MAY 25 | | | |
|--------------------------|---|------------|------------|
| 9:00a. m.~ 8:00 p.m. | Registration (Liu Yuan Hotel) | | |
| 6:00 p.m.~ 8:30 p.m. | Welcome Reception 欢迎酒会，地点：南京多伦科技有限公司 | | |
| * DAY 2: MONDAY, MAY 26 | | | |
| 8:00 a.m.~ 12:00 a.m. | Registration | | |
| 9:00 a.m.~ 9:40 a.m. | Opening Ceremony Special Quest Appearance | | |
| 9:40 a.m.~ 9:50 a.m. | Break | | |
| 9:50 a.m.~ 12:00 p.m. | Plenary Session | | |
| 12:00 p.m.~ 2:00 p.m. | Lunch and Keynote Speech: Man-Chung Tang, T. Y. Lin International <i>"Engineering – An Art or a Science?"</i> 地点: 东南大学榴园宾馆 | | |
| 2:00 p.m.~ 3:30 p.m. | Session 1A | Session 1B | Session 1C |
| 3:30 p.m.~ 3:45 p.m. | Break | | |
| 3:45 p.m.~ 5:30 p.m. | Session 2A | Session 2B | Session 2C |
| 6:00 p.m.~ 9:00 p.m. | Gala Banquet and Keynote Speech 地点: 南京夫子庙白鹭洲宾馆 (晚餐后可游览夫子庙夜景) | | |
| * DAY 3: TUESDAY, MAY 27 | | | |
| 8:30 a.m.~ 10:15 a.m. | Session 3A | Session 3B | Session 3C |
| 10:15 a.m.~ 10:30 a.m. | Break | | |
| 10:30 a.m.~ 12:00 p.m. | Session 4A | Session 4B | Session 4C |
| 12:00 p.m.~ 2:00 p.m. | Lunch and Keynote Speech: Amy Hu, THI Consultants, Inc. <i>"Working Toward a Sustainable Public Transportation System - Lessons Learned from Taipei and Seoul"</i> 地点: 东南大学榴园宾馆 | | |
| 2:00 p.m.~ 3:30 p.m. | Session 5A | Session 5B | Session 5C |
| 3:30 p.m.~ 3:45 p.m. | Break | | |
| 3:45 p.m.~ 5:30 p.m. | Session 6A | Session 6B | Session 6C |
| 6:00 p.m.~ 9:00 p.m. | Closing Ceremony and Gala Banquet 地点: 南京向洋渔港 | | |
| DAY 4: WEDNESDAY, MAY 28 | | | |
| 9:30 a.m.~10:15 a.m. | Technical Tour to Nanjing Subway and Traffic Control Center | | |
| 10:30 a.m.~ 12:00 p.m. | Technical Tour to the Nanjing Presidential House | | |
| 12:00 p.m.~ 1:30 p.m. | Lunch | | |
| 1:30 p.m.~ 5:30 p.m. | Technical Tour to Dr. Sun Yet-San's Mausoleum | | |

* There will be an International Trade Show held from 8:00 a.m. to 5:00 p.m. at Day 2 and Day 3.

Opening Ceremony – 9:00 a.m. Monday, May 26

8:00 a.m. ~ 12:00 p.m. Registration

9:00 a.m. ~ 9:40 a.m. Opening Ceremony

Opening Remarks

Chi-Hsin Shao, President, International Chinese Transportation Professionals Association (ICTPA)

9:40 a.m. ~ 9:50 a.m. Break

9:50 a.m. ~ 12:00 noon Plenary Session

Multi-Modal Transportation: The Pathway to Global Prosperity

Moderator: 講評者

Joe Lee, Founder of ICTPA

Invited Speakers:

钱国超, 江苏省交通厅, “江苏省高速公路创新设计” (40分钟)

陳武正, 中華大學運輸科技與物流管理學系, “台灣交通藍海策略” (30分钟)

王炜, 东南大学交通学院, “中国道路交通系统现状、问题与发展对策” (30分钟)

David Shen, Florida International University, Lehman Center for Transportation Research,
“GREEN-TEA: Global Response to Energy and Environmental Needs” (30分钟)

12:00 noon ~ 2:00 p.m. Luncheon and Keynote Speech

Guest Speaker:

Man-Chung Tang, T. Y. Lin International

“Engineering – An Art or a Science?”

Track A

Room: 春晖堂

Multi-Modal Transportation Planning, Development, and Management

Session 1A: Multi-modal Transportation I

Moderators: 講評者

- ◆ David Shen, Florida International University, ICTPA
- ◆ 李克平，同济大学

1. 上海一体化交通战略
陆锡明，上海交通规划研究所
2. 臺灣城際運輸需求模式建構 (C0503)
李宗益, 鍾慧諭, 林國顯, 張瓊文, 呂蕙美, 交通運輸研究所, 鼎漢國際工程顧問股份有限公司
3. 上海出租车若干问题的探讨
李克平教授，同济大学
4. 中美城市交通模型现况评估与展望
焦国安, 美国纽约都会区运输委员会
5. Study of Regional Integrated Logistics Planning Model
刘敬青, 国家发改委综合运输研究所

Track B

Room: 礼堂二楼报告厅 Multi-Modal Transportation Design, Construction, and Maintenance

Session 1B: Transportation Design and Bridges

Moderators: 講評者

- ◆ Charles Liu, LENDIS Corporation, ICTPA
- ◆ 丁建明，东南大学

1. Using Genetic Algorithm to Optimize Highway Work Zone Schedules
Yemen Tang, Steven Chen Chien, DMJM Harris | AECOM, New Jersey Institute of Technology
2. 历史文化与景观一体的桥梁创新设计
丁建明，东南大学
3. 拱、梁与索结合的新创意—福建省三明市台江大桥工程
任国雷, 林同棧国际（重庆）工程咨询有限公司
4. 连续刚构桥的突破—重庆石板坡长江大桥复线桥工程
代彤, 林同棧国际（重庆）工程咨询有限公司

Track C

Room: 礼堂二楼会议室

Multi-Modal Transportation Operations, Safety, and Innovative Technology

Session 1C: Intelligent Transportation Systems

Moderators: 講評者

- ◆ Mike Houh, Precision Systems, Inc., ICTPA
- ◆ 王殿海，吉林大学

1. How to Successfully Plan and Deploy ITS System Infrastructure on the Regional Basis
Edmond Chin-Ping Chang, EDCPC, Inc.
2. 面向实际应用的城巿交通控制策略
王殿海，吉林大学
3. 中国道路交通安全形势与对策
俞春俊，公安部交通管理科学研究所
4. 中美合作--重庆渝中区智能交通系统研究
Chwen Siripocanont, T.Y. Lin International (USA), 林同棧国际（重庆）工程咨询有限公司, 重庆市城巿交通规划研究所
5. 基于社会公平性的多用户拥挤道路收费路段定位研究
周溪召，上海海事大学

Track A

Room: 春晖堂

Multi-Modal Transportation Planning, Development, and Management

Session 2A: Transportation Planning

Moderators: 講評者

- ◆ Amy Hu, THI Consultants Inc., ICTPA
- ◆ 陈艳艳, 北京工业大学

1. Plan It Calgary” – A Vision for the City’s Sustainable Transportation Future (D0601)
Bosco W. Tong, iTRANS Consulting Inc.

2. 大型活动交通特点及奥运交通仿真系统
陈艳艳, 北京工业大学

3. Transportation Research and Technology Transfer at the University of Kansas: A Model for Trans-Disciplinary Research to Improve Passenger and Freight Movement in the U.S.
Patricia Weaver, Transportation Center, University of Kansas

4. 中国大城市新城客运交通特征分析及发展模式研究
马俊来, 中国城市规划设计研究院

5. An Integrated CBA for Transportation Project (C0401)
Wang,Shu-mei, Wen,Pei-Chang Pam, Department of Tourism, Shih Hsin University, Chung-Hua Institution for Economic Research

Track B

Room: 礼堂二楼报告厅 Multi-Modal Transportation Design, Construction, and Maintenance

Session 2B: Railway Transportation

Moderators: 講評者

- ◆ Dennis Li, MetroSolutions Limited, ICTPA
- ◆ 曹国华, 江苏省城市规划设计研究院

1. Taiwan High Speed Rail Project
陳武正, 中華大學

2. 轨道交通客运需求与沿线土地利用关系研究
肖为周, 江苏省城市规划设计研究院

3. A Tale of Two Railways – the overnight conversion of corporate identity in Hong Kong
Dennis Li, MetroSolutions Inc., Hong Kong

4. Understanding Transit Service Reliability and Service Restoration Strategies Using AVL
Zhong-Ren Peng, University of Florida

5. A Study on Increasing the Carrying Capacity in Unidirection Simultaneously of the Double-track Railways of Harbor
洪冠, 南京铁道职业技术学院

Track C

Room: 礼堂二楼会议室 Multi-Modal Transportation Operations, Safety, and Innovative Technology

Session 2C: Transportation Operations

Moderators: 講評者

- ◆ Fong-Ping Lee, FPL Associates Inc., ICTPA
- ◆ 裴玉龙, 哈尔滨工业大学

1. Mixed Pick-up and Delivery Vehicle Routing Problem with Time Windows
Shwu-Ping Guo, Fu-Hao Yang, Dept of Logistics, Management Leader University

2. Apply 1984 Los Angeles Olympic Game experiences to 2008 Beijing Olympic Games for the Traffic Control Management System
Paul Ho-Sheng Hsu, California Department of Transportation

3. 关于公路行车速度限制问题的讨论
裴玉龙, 哈尔滨工业大学

4. Improving the Application of Existing Methods to Advance Transportation Operations - Two Case Studies
Allen Huang, Kym Sterner, Rick Dowling, Dowling Associates, Inc.

5. 道路交通安全管理规划与设计方法
马健宵, 南京林业大学

Track A

Room: 春晖堂

Multi-Modal Transportation Planning, Development, and Management

Session 3A: Urban Rapid Transit

Moderators: 講評者

- ◆ Steven Chien, New Jersey Institute of Technology, ICTPA
- ◆ 荣朝和, 北京交通大学

1. Taipei Medium Capacity Transit System: Lessons Learned (C0203)

Jiun-Jia Hsu, David Shen, Kainan University, Florida International University

2. 关于多式联运与综合交通运输关系的思考

荣朝和, 北京交通大学

3. Economic spread model of central city to satellite city based on traffic corridor
王花兰, 兰州交通大学

4. Comparison of BRT Systems in Beijing and Changzhou China

S.K. Jason Chang, Ying-Chih Lu, Shih-Chung Chang, National Taiwan University

5. 城市公共客运交通动态经济均衡态特征及仿真分析
徐永能, 南京理工大学

Track B

Room: 礼堂二楼报告厅

Multi-Modal Transportation Design, Construction, and Maintenance

Session 3B: Transportation Showcase Projects.

Moderators: 講評者

- ◆ Jimmy Lin, KOA Corporation, ICTPA
- ◆ 关宏志, 北京工业大学

1. Bei-Yi Highway Tunnel Project

李正安, TANEED

2. 北京市城市型旅游交通规划的调查研究

关宏志, 北京工业大学

3. Taipei City Fare Card System
陳政庸, 台北市政府交通局

4. 风扇状形态城市及其空间拓展对城市交通的挑战与对策
张卫华, 合肥工业大学

5. 高鐵通車初期之旅客特性觀察 (C0502)

陳柏君, 李思葦, 張秀嫻, 林國顯, 交通運輸研究所, 鼎漢國際工程顧問股份有限公司

Track C

Room: 礼堂二楼会议室
Multi-Modal Transportation Operations, Safety, and Innovative Technology

Session 3C: Transportation Safety I

Moderators: 講評者

- ◆ Allen Huang, Dowling Associates, Inc., ICTPA
- ◆ 孙璐, 东南大学

1. A Study on Emergency Response Knowledge Building for the Long Road Tunnel Disaster (C0301)

Min-Cheng Tang, Kwantung Chang, Lee G-Men, Chao-Chung Yang, Huai-Yueh Chang, National Sci & Tech. Center for Disaster Reduction, Taipei

2. 高速公路行车时间估计
孙璐, 东南大学

3. 台灣地區彎道單車事故特性與傷亡程度之研究 (C0601)
李伊婷, 陳一昌, 周文靜, 張立言, 林大傑, 嘉義大學

4. 规范交通技术监控设备
姜良维, 公安部交通管理科学研究所

5. Human Factors: the Key to Improve Transportation Safety
马锐, 北京航空航天大学

Track A

Room: 春晖堂

Multi-Modal Transportation Planning, Development, and Management

Session 4A: Transportation Management

Moderators: 講評者

- ◆ Edmond Chang, EDCPC, Inc., ICTPA
- ◆ 邵春福, 北京交通大学

1. I-80 Integrated Corridor Mobility (I-80 ICM) Project (D0101)

Cyrus Minoofar, Anush Nejad, Habib Shamskhov, Reh-Lin N. Chen, Alameda County Congestion Management Agency, California

2. VMS信息服务及其效果

邵春福, 北京交通大学

3. Connotation of Urban Traffic Engineering to China – a US transportation engineer's point of view

Fong-Ping Lee, FPL and Associates Inc.

4. 城市交通影响分析中阈值确定方法的研究

蔡晓禹, 林同棧国际(重庆)工程咨询有限公司

5. 高速公路联网监控的数据采集与视频监控

钱振东, 东南大学

Track B

Room: 礼堂二楼报告厅 Multi-Modal Transportation Design, Construction, and Maintenance

Session 4B: Aviation Transportation

Moderators: 講評者

- ◆ Bingjib Huang, Federal Aviation Administration, U.S. DOT, ICTPA
- ◆ 左洪福, 南京航空航天大学

1. Measuring of Airport Shopping Intentions and Passenger Characteristics at Taiwan Taoyuan International Airport (C0201)

Shiaw-Wuu Perng, Tsung-Po Lo, Chung-Han Lee, Kainan University

2. Designing Airports to Accommodate Airbus 380: Challenges and Opportunities (D0501)

David Shen, Jiun-Jia Hsu, Florida International University, Kainan University

3. Airport Noise Management

Cherie Lu, Joel Shon, Tainan University of Technology

4. Further Improvement of Aeronautical Meteorological Facilities in Shanghai Airports

Weifang Zhuang, East China Regional ATMB, Shanghai

5. Optimizing Airport Surface Operations under Uncertainties (D1901)

Wenbin Wei, San Jose State University

Track C

Room: 礼堂二楼会议室 Multi-Modal Transportation Operations, Safety, and Innovative Technology

Session 4C: Traffic Simulation/Modeling

Moderators: 講評者

- ◆ Kuo-Ann Chiao, New York Metropolitan Transportation Coordinating Council, ICTPA
- ◆ 胡伍生, 东南大学

1. Development of an Evaluation Methodology for Coordinated-Actuated Traffic Signals with Oversaturated Conditions (D0401)

Raj Ghaman, Ke Liu, Charles Liu, US Federal Highway Administration, LENDIS Corporation

2. 短期交通量预测的神经网络方法研究

胡伍生, 东南大学

3. A Large Scale Traffic Simulation Using Mesoscopic Modeling Approach

Nate Chanchareon, Citilabs – Asia Pacific Region

4. 随机交通网络可靠性

程琳, 东南大学

5. Future Interchange Traffic Contribution Analysis (D1401)

Min Zhou, KOA Corporation

Track A

Room: 春晖堂

Multi-Modal Transportation Planning, Development, and Management

Session 5A: Green Transportation

Moderators: 講評者

- ◆ Jason Chang, National Taiwan University, ICTPA
- ◆ 陈红, 长安大学

1. 具備永續發展指標之整合性評估架構：納入車輛能耗與排放關聯分析之運輸規劃評估模式 (C0501)

溫蓓章, 鍾慧諭, 林國顯, 中華經濟研究院, 交通運輸研究所, 鼎漢國際工程顧問股份有限公司

2. 城市主干道出入口合理間距的仿真研究
陈红, 长安大学

3. 一级公路与乡村道路相交处交通安全问题研究
常玉林, 江苏大学

4. 路内外停车协调规划方法
陈峻, 东南大学

5. 步行出行方式分担率预测方法研究
边扬, 北京工业大学

Track B

Room: 礼堂二楼报告厅

Multi-Modal Transportation Design, Construction, and Maintenance

Session 5B: Transportation Design and Materials

Moderators: 講評者

- ◆ Min Zhou, KOA Corporation, ICTPA
- ◆ 黄晓明, 东南大学

1. Geotechnical Issues and Design Considerations for California State Route 125 Highway and Bridges (D0801)
Endi Zhai, Houman Makarechi, Kleinfelder West, Inc.

2. 大粒径透水性沥青混合料 (LSPM)的研发与应用
黄晓明, 东南大学

3. 大型铸钢构件在异型桥梁中的应用研究
丁如珍, 东南大学

4. Numerical Modeling Investigation of the Damage of Escambia Bay Bridge Deck by Wave Force during Hurricane Ivan (D0902)
Wenrui Huang, Hong Xiao, Florida State University

5. Simulations of Bridge Abutment: Field Tests (D1301)
Liping Yan, Anoosh Shamsabadi, Earth Mechanics, Inc., California Department of Transportation

Track C

Room: 礼堂二楼会议室

Multi-Modal Transportation Operations, Safety, and Innovative Technology

Session 5C: Transportation Safety II

Moderators: 講評者

- ◆ Huey-Kuo Chen, National Central University, ICTPA
- ◆ 潘汉中, 公安部交通管理科研所

1. 平交道安全績效指標之回顧 (C0602)

張仕龍, 鍾志成, 李治綱, 陳一昌, 吳熙仁, 中興工程顧問社, 南台科技大學, 交通運輸研究所

2. 混合交通环境下驾驶员动态视觉特性研究
陆建, 东南大学

3. Effects of Traffic Enforcement Alarm Transmitters on Driving Speed (C0701)
T. Hugh Woo, Chih-Ming Liu, National Chiao Tung University

4. 自行车交通事故分析及对策研究
孙明正, 北京交通发展研究中心

5. 中国高速公路交通事故特征分析
常宇、王长君, 公安部交通管理科学研究所

Track A

Room: 春晖堂

Multi-Modal Transportation Planning, Development, and Management

Session 6A: Multi-modal Transportation II

Moderators: 講評者

- ◆ Chwen Siripocanont, T.Y. Lin International, ICTPA
- ◆ 李清泉, 武汉大学

1. 空域的规划与管理
韩松臣, 南京航空航天大学
2. A Model for Intelligent Navigation System Based on Dynamic Traffic Information
李清泉, 宋莹, 武汉大学
3. 水运中波浪推算及设施被动安全仿真
吴中, 河海大学
4. 高速公路改扩建工程沥青路面性能评价模型
凌晨, 江苏省交通科学研究院
5. 浦东机场塔台电子进程单系统的设计与实现
左凌, 中国民航华东地区空中交通管理局

Track B

Room: 礼堂二楼报告厅

Multi-Modal Transportation Design, Construction, and Maintenance

Session 6B: Transportation Pavement

Moderators: 講評者

- ◆ Liping Yan, Earth Mechanics, Inc., ICTPA
- ◆ 苗英豪, 北京工业大学

1. 活性粉末材料在減噪刚性路面之應用 (C0801)
劉明仁, 沈得縣, 吳建璋, 淡江大學土木工程研究所
2. 沥青路面层间粘结性能的斜剪试验评价方法
苗英豪, 北京工业大学
3. Pre-Construction Evaluation and Rehabilitation of Pavement Rutting (D1601)
George Wang, East Carolina University
4. Characteristics of the Vehicle Axle Load Spectra for the AASHTO 2002 Pavement Design Guide in Indiana (D1701)
Yi Jiang, Purdue University
5. Dynamic Modulus Properties of Florida Asphalt Concrete Mixtures (D0901)
W. Virgil Ping, Yuan Xiao, Florida State University

Track C

Room: 礼堂二楼会议室
Multi-Modal Transportation Operations, Safety, and Innovative Technology

Session 6C: Alternative Transportation

Moderators: 講評者

- ◆ Reh-Lin N. Chen, City of San Leandro, California, ICTPA
- ◆ Dr. 毛海军, 东南大学

1. Integrate Bike Lane in City Street Improvement East-West Bikeway Connection in the City of Long Beach (D1402)
Julia S. Wu, KOA Corporation
2. 城市物流空间布局
毛海军, 东南大学
3. The Functional Analysis of a Taxipooling Dispatching System (C0101)
Ker-Tsung Lee, Su-Hua Wu, Te-Shao Chen, Feng Chia University
4. 干线公路设计新理念应用研究
陈素华, 东南大学
5. 运输业的网络经济与虚拟经济
颜飞, 长安大学

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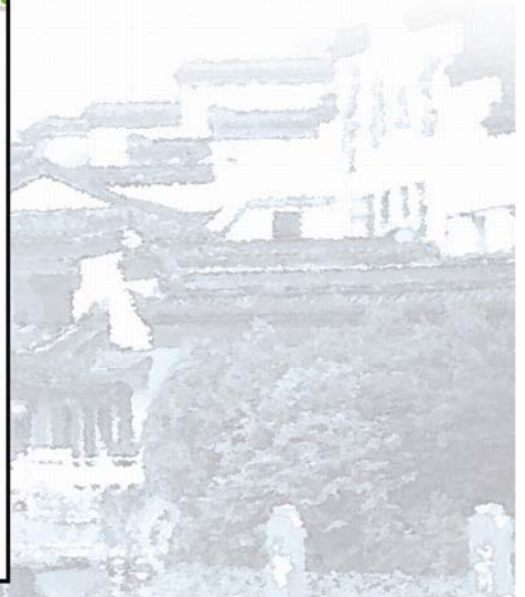
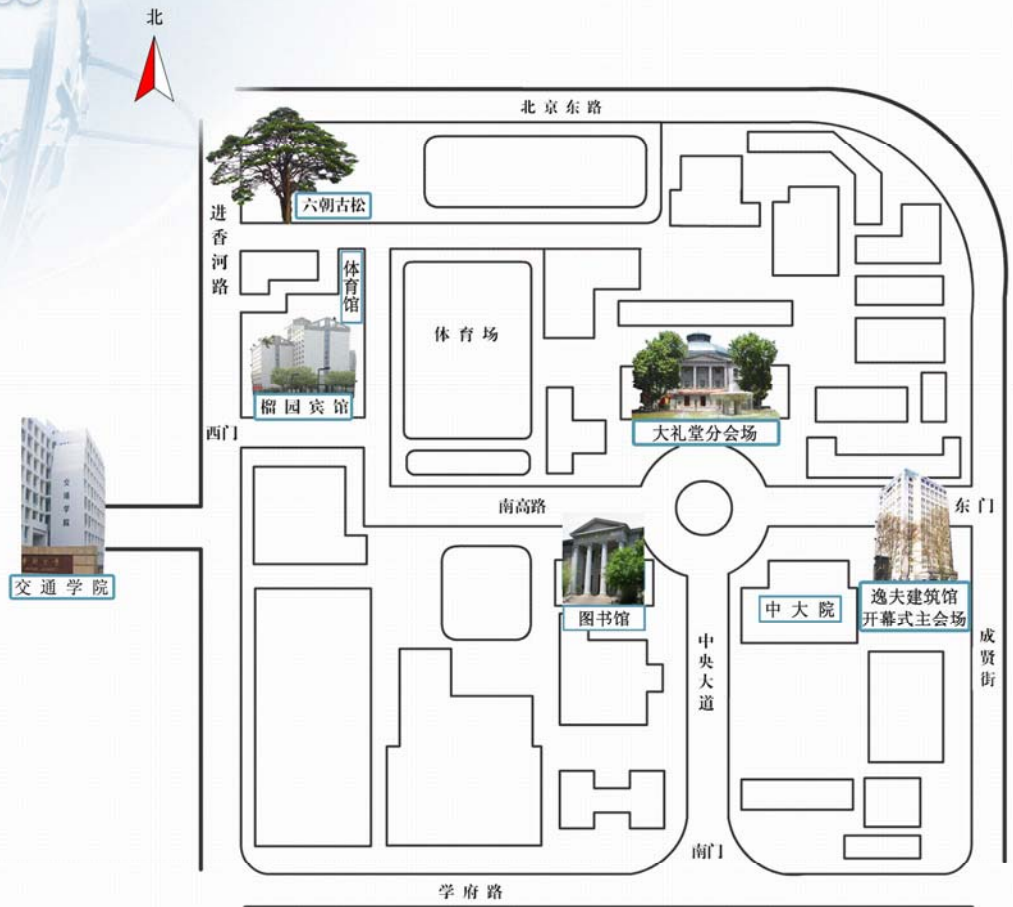
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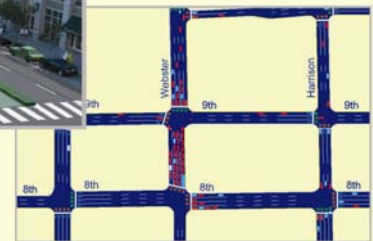


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