

XJTLU

2017
INTERNATIONAL SYMPOSIUM
国际学术研讨会

TRANSPORT AND URBAN
TRANSFORMATION IN
CONTEMPORARY CHINA
当代中国的交通与城乡转型发展

Date and Location 会议时间与地点

1-2 July 2017

IAG08, International Academic Exchange and Collaboration Centre

Xi'an Jiaotong Liverpool University

2017年7月1 & 2日

西交利物浦大学南校区国际学术交流中心（会议室IAG08）



Xi'an Jiaotong-Liverpool University

西交利物浦大学



INTRODUCTION TO THE CONFERENCE 会议介绍

Since economic reform initiated in 1979, transport has played a key role in the unprecedented urbanization processes in China. A deeper understanding of the various impacts, issues, and mechanisms associated with transport and territorial transformation has been missing and will be desirable given the unparalleled phenomenon occurring in China. This symposium is a pivotal part of a handbook initiative which is commissioned by Edward Elgar Publisher as one of their popular HANDBOOKS OF RESEARCH ON CONTEMPORARY CHINA SERIES initiated by Professor David Goodman. This transport handbook provisionally incorporates 25 chapters of four major themes. The first theme kicks off on transport and spatial re-organization and development. The second theme discusses transport, environment and technology. The third theme looks into travel and justice from people perspectives. The fourth theme explores development models and governance issues. Research implications and suggestions will be provided in the conclusion for future research.

中国自改革开放以来，历经经济快速增长及前所未有的巨大城乡变迁，交通在城镇化的过程，扮演关键性角色，了解当代中国交通与城市转型的关系影响及相关议题的研究至关重要。此学术研讨会缘起于国际出版社 Edward Elgar Publishing (EEP) 旗下一系列有关当代中国发展变迁相关重要课题的研究指南丛书，为了解当代中国研究发展的重要文献，其中针对中国交通与城市变迁的课题，邀请本书四位编者西交利物浦大学城乡规划与设计系陈嘉琳助理教授，同济大学建筑与城市规划学院城市规划学系潘海啸教授，美国华盛顿大学城市设计与规划系沈青教授，以及香港大学地理系王缙宪教授进行策划筹组，全书共有25篇文章，除前言与结论外，分四大主题，第一主题：交通规划与城乡空间的重新组构及开发；第二主题：交通，环境与科技；第三主题：出行与社会公平性；及第四主题：发展模型与治理。最后总结本书的四大研究课题方向。

This symposium offers a good opportunity of exchanging ideas of research findings among contributors. Apart from a presentation from each book chapter contributor, a discussant will be arranged for each paper to give critical comments on each other's work more thoroughly. Moreover, the symposium is open to all participants who care and conduct research related to transformation in contemporary China to join the debates and discussions. Discussions will provide valuable insights for revision on the book chapters, which will result in a high-quality international publication, a handbook of research in the field of transport and urban transformation in contemporary China.

此次学术研讨会将为这本国际性学术著作提供难得的深入研讨交流机会，除邀集本书国内外作者群与会发表，各章安排与谈人深入讨论，同时也热诚欢迎关心与研究当代中国城市发展变迁有关领域的专家学者报名参加，发表意见交流讨论，汇总与会专家学者的观点与建议，回馈作为书籍内容修正参考，并发掘在政策面、实务面及研究议题方向的可能性。预期本书完成后，高品质的研究成果将成为研究与了解中国当代交通与城乡转型发展研究的重要学术文献。



SYMPOSIUM THEMES 会议主题

Day 1	Session 1 专题一	1 July (Morning) Transport Planning and Territorial Development (Part 1) 7月1日 (上午) 交通规划和城乡空间重构及开发 (一)
	Session 2 专题二	1 July (Morning) Transport, Environment and Technology (Part 1) 7月1日 (下午) 交通, 环境与科技 (一)
	Session 3 专题三	1 July (Afternoon) Development Models and Governance 7月1日 (下午) 发展模式和治理
Day 2	Session 4 专题四	2 July (Morning) Transport Planning and Territorial Development (Part 2) 7月2日 (上午) 交通规划和城乡空间重构及开发 (二)
	Session 5 专题五	2 July (Afternoon) Transport, Environment and Technology (Part 2) 7月2日 (下午) 交通, 环境与科技 (二)
	Session 6 专题六	2 July (Afternoon) Travel, People and Social Justice 7月2日 (下午) 出行和社会公平性



SYMPOSIUM SCHEDULE 会议日程

Day 1 第一天	1 July 2017, Saturday, 9:00-18:10 2017年7月1日 周六, 9:00-18:10 Location: International Academic Building (IAG08) 地点: 西交利物浦大学国际学术大楼 (IAG08)
8:30-9:00	Registration open 会议注册
9:00-9:15	Opening ceremony Welcome remarks 开幕致词
	Youmin Xi, Professor, Executive President, Xi'an Jiaotong-Liverpool University 西交利物浦大学执行校长 席西民 教授
	Xueming Chen, Professor, Department of Urban Planning and Design, XJTU 西交利物浦大学城乡规划与设计系主任 陈雪明 教授
9:15-9:30	Introduction to the EE “Handbook of Research in Contemporary China” “当代中国研究指南”系列丛书介绍 David Goodman, Professor, Head of China Studies, Xi'an Jiaotong-Liverpool University 西交利物浦大学中国研究系主任 古德曼 教授
	Introduction to the EE Handbook of Research in Transport and Urban Transformation in Contemporary China” “当代中国交通与城市变迁研究指南”一书出版计划介绍 Chia-Lin Chen, Assistant Professor, Department of Urban Planning and Design, XJTU 西交利物浦大学城乡规划与设计系 陈嘉琳 助理教授
9:30-9:40	Group Photo, in front of International Academic Building 集体合影, 国际学术大楼前

Session 1 Transport Planning and Territorial Development (Part 1) 专题一 交通规划和城乡空间重构及开发 (一)

9:40-12:40	Chair: Haixiao Pan, Professor, Department of Urban planning, the college of Architecture and urban Planning, Tongji University 主持: 同济大学建筑和城市规划学院 潘海啸教授
9:40-10:20	The Development of Container Ports and the Evaluation of Chinese Port Cities 集装箱港口发展与中国港口城市评估 Presenter: James Jixian Wang, Department of Geography, University of Hong Kong 报告: 香港大学地理系 王缉宪 Discussant: Austin Rhys Williams, Department of Architecture, XJTU 提问讨论: 西交利物浦大学建筑系 Austin Rhys Williams
10:20-11:00	Motorway (highway) Development in China 中国高速公路发展 Presenter: Xin Fu, Department of Science Management and Engineering, Chang'an University, Xi'an 报告: 西安长安大学经济与管理学院 付鑫 Discussant: Jianhong Wu, Economics and Management School of Beijing Jiaotong University 提问讨论: 北京交通大学经济管理系 武剑红
11:00-11:20	Tea Break 茶歇
11:20-12:00	High-speed Rail and Its Wider Spatial-economic Impacts in Chinese cities and regions: A Multi-Level Analysis 高速铁路对中国城市和区域空间经济的影响: 多尺度研究 Presenter: Chia-Lin Chen, Department of Urban Planning and Design, XJTU 报告: 西交利物浦大学城乡规划与设计系 陈嘉琳 Discussant: James Jixian Wang, Department of Geography, University of Hong Kong 提问讨论: 香港大学地理系 王缉宪

12:00-12:40	Retrospect and Prospect on China's Air-Rail Integration: A Multifaceted Analysis 中国空铁联运整合回顾与展望: 多维度分析 Presenter: Xueming Chen, Department of Urban Planning and Design, XJTU 报告: 西交利物浦大学城乡规划与设计系 陈雪明 Discussant: Haixiao Pan, Department of Urban planning, the college of Architecture and urban Planning, Tongji University 提问讨论: 同济大学建筑和城市规划学院 潘海啸
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12:40-13:40	Lunch Break (Registrants only) 午餐
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Session 2 Transport, Environment and Technology (Part 1) 专题二 交通, 环境与科技 (一)

13:40-15:40	Chair: Qing Shen, Professor, Department of Urban Design and Planning, University of Washington 主持: 美国华盛顿大学城市设计与规划系 沈青教授
13:40-14:20	Transport and Air Quality in China 中国交通运输与空气质量 Presenter: Chao Li, Department of Civil Engineering, Shanghai Jiaotong University 报告: 上海交通大学土木工程系 李超 Discussant: Xueming Chen, UPD /Urban Studies and Planning Program, XJTU 提问讨论: 西交利物浦大学城乡规划与设计系 陈雪明
14:20-15:00	Suburban Rail Transit Proximity and Commuting Greenhouse Gas Emission 市郊轨道交通通勤和温室气体排放 Presenter: Haixiao Pan, Department of Urban planning, the college of Architecture and urban Planning, Tongji University 报告: 同济大学建筑和城市规划学院 潘海啸 Discussant: Na Ta, School of Geographic Sciences, East China Normal University 提问讨论: 华东师范大学地理科学学院 塔娜

15:00-15:40	The Rise of Online Ride-Hailing Services and its Impacts on Urban Transport in China 网络专车的出现以及对中国城市交通的影响 Presenter: Shaoqing Huang, Associate Professor, Antai College of Economics and Management, Shanghai Jiaotong University 报告: 上海交通大学安泰经济与管理学院 黄少卿 Discussant: Cheng Shi, College of Architecture and Urban Planning, Tongji University 提问讨论: 同济大学建筑和城市规划学院 施澄
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15:40-16:00	Tea Break 茶歇
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Session 3 Development Models and Governance 专题三 发展模式和治理

16:00-18:00	Chair: Xueming Chen, Professor, Department of Urban Planning and Design, XJTU 主持: 西交利物浦大学城乡规划与设计系 陈雪明教授
16:00-16:40	Railway Reform in China 中国的铁路改革 Presenter: Jianhong Wu, Economics and Management School of Beijing Jiaotong University 报告: 北京交通大学经济管理系 武剑红 Discussant: Shaoqing Huang, Antai College of Economics and Management, Shanghai Jiaotong University 提问讨论: 上海交通大学安泰经济与管理学院 黄少卿
16:40-17:20	Transport Policy Transfer vs Partnership: A Comparative Study of Jinan and Kunming 交通政策转移vs合作关系: 济南和昆明之对比研究 Presenter: Alaina Thomas, Department of Urban Planning and Design, XJTU 报告: 西交利物浦大学城乡规划与设计系 Alaina Thomas Discussant: Yang Tang, Urban-Rural Planning and Design Institute, Zhejiang University 提问讨论: 浙江大学城乡规划设计研究院 汤葐

17:20-18:00	<p>The Exploration of Urban Transport Policy from Car-based to People-based Cities 从以车为本到以人为本的城市交通政策探究</p> <p>Presenter: Bo Quan, China Academy of Urban Planning and Design, Beijing 报告：中国城市规划设计研究院交通院 全波</p> <p>Discussant: Ming Zhang, Department of Landscape Architecture & Urban Planning, University of Texas at Austin 提问讨论：美国德克萨斯大学奥斯汀分校景观建筑与城市规划系 张明</p>
18:00-18:15	A closing session for the first day event 第一天专题总结

Day 2
第二天

2 July 2017, Sunday, 9:00-18:10
2017年7月2日, 周日, 9:00-18:10
Location: International Academic Building (IAG08)
地点：西交利物浦大学国际学术大楼 (IAG08)

8:30-9:00 **Registration open**
会议注册

Session 4 Transport Planning and Territorial Development -2
专题四 交通规划和交通规划和城乡空间重构及开发 (二)

9:00-12:00	Chair: James Jixian Wang, Associate Professor, Department of Geography, University of Hong Kong 主持：香港大学地理系 王缉宪 副教授
9:00-9:40	<p>A Chinese Approach to “Transit-Oriented Development” (TOD) 中国式的公共交通为导向的开发</p> <p>Presenter: Ming Zhang, Department of Landscape Architecture & Urban Planning, University of Texas at Austin 报告：美国德克萨斯大学奥斯汀分校景观建筑与城市规划系 张明</p> <p>Discussant: Alainna Thomas, Department of Urban Planning and Design, XJTU 提问讨论：西交利物浦大学城乡规划与设计系 Alainna Thomas</p>
9:40-10:20	<p>The Interactions between Rail Stations and Urban Spatial Structure: A Case of Guangzhou 火车站和城市空间结构的互动影响：以广州为例</p> <p>Presenter: Xiaoxing Zhang, School of Architecture, South China University of Technology, Guangzhou 报告：华南理工大学建筑学院 张小星</p> <p>Discussant: Chia-Lin Chen, Department of Urban Planning and Design, XJTU 提问讨论：西交利物浦大学城乡规划与设计系 陈嘉琳</p>
10:20-10:40	Tea Break 茶歇
10:40-11:20	<p>Non-motorized Transport Development in Chinese Cities 非机动车交通运输在中国城市的发展</p> <p>Presenter: Yang Tang, Urban-Rural Planning and Design Institute, Zhejiang University 报告：浙江大学城乡规划设计研究院 汤謩</p> <p>Discussant: Dijia Gong, Department of Urban and Rural Planning, Zhejiang Normal University 提问讨论：浙江师范大学城乡规划系 龚迪嘉</p>
11:20-12:00	<p>Road Development and Public Transport Provision in Rural China 中国乡村地区道路和公共交通的发展</p> <p>Presenter: Dijia Gong, Department of Urban and Rural Planning, Zhejiang Normal University 报告：浙江师范大学城乡规划系 龚迪嘉</p> <p>Discussant: Xin Fu, Department of Science Management and Engineering, Chang'an University, Xi'an 提问讨论：西安长安大学经济与管理学院 付鑫</p>
12:00-13:00	Lunch Break (For presenters and registrants only) 午餐

Session 5 Transport, Environment and Technology -2
专题五 交通, 环境与科技 (二)

13:00-14:20	Chair: Pengjun Zhao, Professor, Urban and Regional Planning, School of Urban and Environmental Sciences, Peking University 主持：北京大学城市与环境学院城市和区域规划系 赵鹏军 教授
13:00-13:40	<p>Cell Phone Signaling Data and Its Implication for Urban Transport Modeling: A case study in Hangzhou 移动电话数据和在城市交通模型中的应用：以杭州为例</p> <p>Presenter: Cheng Shi, College of Architecture and Urban Planning, Tongji University 报告：同济大学建筑和城市规划学院 施澄</p> <p>Discussant: Yue Shen, School of Urban and Regional Science, East China Normal University 提问讨论：华东师范大学城市与区域经济学院 申悦</p>
13:40-14:20	<p>ICT and Changes in Activity-travel Behavior in Urban China 信息科技与活动-交通行为的变化</p> <p>Presenter: Yue Shen (School of Urban and Regional Science, East China Normal University), Na Ta (School of Geographic Sciences, East China Normal University) 报告：华东师范大学城市与区域经济学院 申悦, 地理科学学院 塔娜</p> <p>Discussant: Qing Shen, Department of Urban Design and Planning, University of Washington. 提问讨论：美国华盛顿大学城市设计与规划系 沈青</p>
14:20-14:40	Tea Break 茶歇

Session 6 Travel, People and Social Justice
专题六 旅行, 人和社会公正

14:40-17:40	Chair: Chia-Lin Chen, Assistant Professor, Department of Urban Planning and Design, XJTU 主持：西交利物浦大学城乡规划与设计系 陈嘉琳 助理教授
14:40-15:20	<p>Mobility and Chinese dream 中国百姓的移动性与中国梦</p> <p>Presenter: Austin Rhys Williams, Department of Architecture, XJTU 报告：西交利物浦大学建筑系 Austin Rhys Williams</p> <p>Discussant: Pengjun Zhao, Urban and Regional Planning, School of Urban and Environmental Sciences, Peking University 提问讨论：北京大学城市与环境学院城市和区域规划系 赵鹏军</p>
15:20-16:00	<p>Urban Transport Inequality in Transition China: Exploring social-spatial inequality of commuting 中国城市交通的不平衡发展：通勤之社会空间不均</p> <p>Presenter: Pengjun Zhao, Urban and Regional Planning, School of Urban and Environmental Sciences, Peking University 报告：北京大学城市与环境学院城市和区域规划系 赵鹏军</p> <p>Discussant: Mengqiu Cao, Bartlett School of Planning, University College London, UK 提问讨论：伦敦大学学院巴特莱特规划学院 曹梦秋</p>
16:00-16:20	Tea Break 茶歇
16:20-17:00	<p>Travel and Well-being in China: A Case Study in Xi'an 中国百姓的出游和乐居：以西安为例</p> <p>Presenter: Runing Ye, Transport Institute, University College London, UK 报告：伦敦大学学院交通运输研究院 叶如宁</p> <p>Discussant: Sophie Sturup, Department of Urban Planning and Design, XJTU 提问讨论：西交利物浦大学城乡规划与设计系 Sophie Sturup</p>
17:00-17:40	<p>Transport, Social Justice and Capabilities in Beijing 正义的能力理论在交通与社会公平性中的应用：以北京为例</p> <p>Presenter: Mengqiu Cao, Bartlett School of Planning, University College London, UK 报告：伦敦大学学院巴特莱特规划学院 曹梦秋</p> <p>Discussant: Runing Ye, Transport Institute, University College London, UK 提问讨论：伦敦大学学院交通运输研究院 叶如宁</p>
17:40-18:10	Overall Discussion Q & A 综合讨论问答
18:10	A closing session 闭幕式

Paper Presenters/Discussants 报告与提问人



Mengqiu Matthew CAO

Matthew is a PhD candidate in Transport Engineering and Planning Studies in the Bartlett School of Planning, University College London, UK. He has a MSc degree in Procurement, Logistics and Supply Chain Management from University of Salford and a MSc degree in Transport and City Planning from University College London (UCL). He worked as a Logistics Executive in an international logistics company in Manchester. He is a Visiting Lecturer at the University of Westminster. In addition to pursuing his PhD, he has contributed to a number of research projects.

曹梦秋, 伦敦大学学院巴雷特学院, 交通工程和规划博士候选人, 曾获得索尔福德大学采购、物流与供应链管理和伦敦大学学院交通和城市规划硕士学位。毕业之后工作于曼彻斯特国际物流企业物流主管, 担任威斯敏斯特大学客座讲师, 同时也致力于许多相关项目研究。

Chia-Lin Chen is Assistant Professor at Department of Urban Planning and Design, Xi'an Jiaotong-Liverpool University. She received her PhD degree in Urban and Regional Planning Studies from University College London, UK. She had extensive work experience including working in the local planning bureau in Taiwan, international consultant for Asian Development Bank, post-doc researcher for EU INTERREG 4B project "SINTROPHER", and international expert for International Transport Forum roundtables. Her research concerns the relationship between transport and territorial dynamism at different spatial scales, exploring uneven development, social/economic change and transformation, mobility and motility, multi-level governance through cross-cultural comparative studies. In the past 5 years, she has published widely on the wider spatial-economic impacts of high-speed rail (HSR) for regional development. She is carrying out a new HSR research project in the context of China, investigating the economic integration and restructuring in Suzhou city region.

陈嘉琳, 西交利物浦大学城乡规划与设计系助理教授, 伦敦大学学院(UCL)巴特莱特规划学院城市与区域规划博士。曾任台湾地方政府规划师; 亚洲开发银行国际顾问; 欧盟区域间可持续交通计划(SINTROPHER)博士后研究员; 经合组织(OECD)国际交通论坛圆桌会议的国际专家。致力于交通与多层空间发展的相互关系的研究以了解不均衡发展, 经济社会变迁, 区域转型, 能动和流动, 跨文化的多层治理。过去五年来, 她发表过许多有关高速铁路与空间经济发展的学术文章与书籍, 目前她从事一苏州地区空间经济重构的城际高铁研究项目。



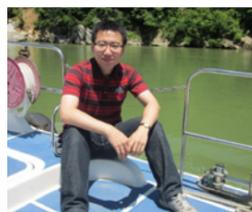
Chia-Lin CHEN

Xueming (Jimmy) Chen is Head and Professor of Department of Urban Planning and Design at Xian Jiaotong Liverpool University. He received his Bachelor degree and Master degree from Urban and Regional Planning Program, Geography Department, Nanjing University, as well as a PhD degree from School of Urban and Regional Planning, University of Southern California. Dr. Chen's specializations include urban transportation planning, urban transportation modeling, international urban planning, and applications of Geographic Information Systems (GIS). He published and/or presented more than 100 articles, and published 3 translated/authored books. He received 2001 and 2003 "Outstanding Professor" award from California State University, Northridge (CSUN), 2009 Award from the US-China People's Friendship Association, 2014 Quest Global Impact Award from Virginia Commonwealth University, and 2014 Qian Xuesen Urbanology Excellent Book Award.

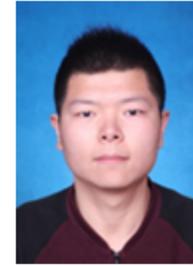
陈雪明, 西交利物浦大学城乡规划与设计专业系主任。早年在南京大学地理学院攻读城市和区域规划硕士学位, 并于1991年赴南加州大学攻读城市和区域规划博士学位。陈雪明教授主要研究领域包括城市交通运输规划, 交通运输建模, 国际城市规划, 地理信息系统应用, 并发表过许多期刊文章, 出版书籍, 获得2001年和2003年度加州州立大学北岭学校优秀教授称号, 收到中美友好协会嘉奖, 以及弗吉尼亚联邦大学全球影响奖和2014年钱学森城市学优秀图书奖。

Xing Fu is Deputy Director of Science Management and Engineering Department in Regional Transportation Economic Institution at Chang'an University. He works in Economic and Management School, Chang'an University. He obtained his Master and PHD degree from Chang'an University. After that, he worked as postdoctoral in institute of Geographic Sciences and National Resources Research, China Academy of Science. His specializations include regional transport planning, transportation geography, transportation network analysis, transport database technology and application. Dr. Fu published numerous academic papers and directed and participate a great many research projects funded by NSFC, Society and Science Fund of Education Ministry.

付鑫, 长安大学经济与管理学院管理科学与工程系副主任, 区域运输经济研究所副所长。本科、硕士、博士均毕业于长安大学, 本科专业为信息管理与信息系统, 硕士与博士专业均为交通运输规划与管理, 博士毕业后进入中国科学院地理科学与资源研究所从事在职博士后研究工作。主要研究领域为区域交通规划、交通运输地理、交通运输网络分析, 交通大数据技术与应用。目前出版专著1部, 发表论文10余篇, 主持国家自然科学基金、教育部人文社会科学基金、西安市社会科学基金各1项, 参与国家自然科学基金、交通运输部科研项目以及其他各省省级项目20余项。



Xing FU



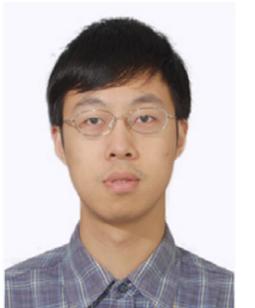
Chao Rusty LI

Chao Li is a PhD candidate in the Department of Civil Engineering at Shanghai Jiaotong University. He had an MSc degree in Transportation Engineering from Chang'an University, and then took part in comprehensive transportation planning projects in Xi'an. His primary research interests focus on Transport and environment, urban atmospheric pollution monitoring and UAV application on environment monitoring.

李超, 上海交通大学土木工程系博士候选人, 毕业于长安大学并获得交通运输工程硕士学位, 硕士期间参与西安市综合交通规划项目研究, 目前主要研究项目包括交通与环境, 城市大气污染监测, 无人机污染监测应用。

Dijia Gong obtained his bachelor degree of urban planning in Tongji University and master degree of architecture (urban design) in Hunan University. He worked as a planner in Nanjing Institute of City and Transport Planning from 2009 to 2010, and participated in many projects of integrated land use and transport planning and design, one of which was awarded the 3rd prize by Nanjing Planning Bureau. Since 2010, he has been working as lecturer in the department of urban and rural planning in Zhejiang Normal University. His research interest include integrated planning and design of urban space and public transit, as well as urban public transit planning, operation and management. He has presided a series of research projects for Jinhua social science association and education reform projects for Zhejiang Normal University, and has published more than 10 academic papers and 3 books in the past 5 years.

龚迪嘉, 毕业于同济大学城市规划系并攻读湖南大学建筑学(城市设计)硕士学位。在2009年-2010年期间就职于南京城市交通规划研究所, 并参与过许多土地利用和交通规划设计项目, 项目荣获南京市规划局三等奖, 从2010年起任教于浙江师范大学城乡规划系。他的主要研究方向涵盖城市空间规划和公共交通运输, 以及城市公共交通运输规划、运营和管理。他主持负责浙江师范大学金华社会科学和教育改革研究项目, 并发表过一系列学术文章, 出版相关书籍。



Dijia GONG

Shaoqing Huang is Associate Professor of Economics at the Department of Antai Economic and management at Shanghai Jiaotong University. He works for Research Institution of Private Enterprise, China Europe International Business School. His research mainly focuses on political economics, economic development, industrial economics and China economics, and has published many academic papers on World Development, China & World Economy and other professional journals, as well as books published. He is Director for NSSF project Institutional research for technic innovation unit management based on industrial organization and Online car management system research which is funded by Ministry of Transportation, China.

黄少卿, 上海交通大学安泰经济与管理学院副教授, 曾任职中欧国际工商学院民营企业研究中心。主要研究领域: 政治经济学、经济发展、产业经济学、中国经济。学术论文主要发表在"World Development"、"China & World Economy"、《金融研究》、《经济学动态》、《中国工业经济》、《世界经济与政治》、《经济社会体制比较》等国际国内期刊, 出版著作包括:《走出发展的陷阱》、《基础设施投资: 资金来源、投资效率与地方政府财政风险》、《经济转轨中的合同执行》等。主持国家社会科学基金课题“基于产业组织特征的共性技术研发联盟治理机制研究”和国家交通运输部2016-2018专项课题“网约车监管体系与监管信息平台架构研究”。



Shaoqing HUANG

Zhaoxia Kang is a PhD candidate in applied economics in Economics and Management School, Beijing Jiaotong University. She is engaged in the study of transportation industry organization and industry structure, Chinese railway system reform and investment and financing policies, management and reform in international railway, construction project evaluation and benefit analysis of high-speed railway etc.

康兆霞, 北京交通大学经济与管理学院应用经济学博士候选人。参与过许多交通运输方面的研究, 主要研究方向包括交通运输组织管理和产业结构, 中国铁路系统改革和融资政策研究, 国际铁路改革管理, 高速铁路建设收益分析等



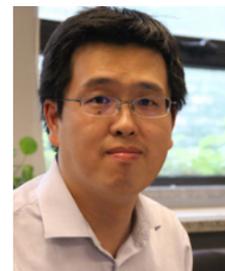
Zhaoxia KANG

Haixiao Pan is Professor of the Department of Urban Planning at Tongji University. He is the president of IVM international chair (China). He is also urban planning advisor for Shanghai Government, Board member of China Urban Studies Society, Steering Committee Member of World Transport Research Conference Society. His research interests lie in land use and urban transport, especially the impact of metro system with urban spatial structure, mobility and sustainability, transport in suburban, modal choice and built environment design. He has involved in implementation studies on land use plan and urban transport plan in over 12 cities in China. One project with Danish architecture won Golden Lion Award in Venice 2006.

潘海啸，同济大学城市规划学院教授，IVM国际主席。潘教授同时也是上海市政府城市规划高级顾问，中国城市科学研究会理事，世界运输研究协会指导委员。他的主要研究领域包括城市交通和土地利用，特别是轨道交通和城市空间结构的影响、机动性、市郊交通运输以及建筑环境设计。潘教授最近研究课题有上海世博会交通需求管理框架，中国低碳城市规划，上海城市交通发展模式探讨，绍兴市公共交通重構计划。他被邀请参与中国许多土地利用规划和城市交通发展规划研究，作品曾于2006年获得威尼斯金狮奖。



Haixiao PAN



Cheng SHI

Cheng Shi is Associate Researcher of Urban Planning in the Department of Urban Planning at Tongji University in Shanghai, China. In 2011, he visited TSU of Oxford University, UK. His major research interests include transportation planning, land use and social equity. He has published two books and several articles in this area. In addition, he has been involved in many urban planning projects and transport planning studies commissioned by local governments.

施澄，上海同济大学城市规划系副研究员。他于2011年在英国牛津大学TSU访问学习。施澄主要研究方向是交通运输规划、土地利用和社会公平性研究，并出版发表过许多相关书籍和文章。他还受邀参与过许多政府城市规划项目交通规划研究。



Bo QUAN

Bo Quan is Vice Chief Engineer of Urban Transport Institute in China Academy of Urban Planning and Design. For many years, Mr. Quan has been engaged in urban transport strategy, comprehensive transportation system, urban rail, public transport, regional transportation planning and design consultancy, and other research projects. In recent years, he has mainly involved in and been responsible for the "Beijing-Tianjin-Hebei Urban and Rural Planning", "Beijing-Tianjin-Hebei Regional Transport Planning and Integration Plan", "Passenger Hub and Urban Function Coordination Research", "Capital Regional Development Strategy Research", "Capital Economic Circle Development Plan". Mr. Quan is a co-editor and contributor to "Understanding sustainable urban development: ideas and practices". He is now employed as a committee member in Wenzhou City Urban Planning Committee.

全波，中国城市规划设计研究院城市交通分院副总工程师，教授级高级工程师。多年从事城市交通发展战略、综合交通体系、城市轨道交通、公共交通、区域交通等规划设计咨询、研究项目。近年来主要参与或负责《京津冀城乡规划》（住建部）、《京津冀区域交通规划统筹整合方案》（北京规委）、《客运枢纽与城市功能协调研究》（北京规委）、《首都区域空间发展战略研究》（北京规委）、《首都经济圈发展规划（河北建议稿）》等项目，参与编写《城市发展规律—知与行》。现受聘为温州市城乡规划委员会委员。

Qing Shen is Professor and former Chair in the Department of Urban Design and Planning, and an adjunct professor in the Department of Civil and Environmental Engineering, at the University of Washington. His current research focuses primarily on the connections between the built environment, travel behavior, and environmental and social issues. Author of numerous scholarly publications, Professor Shen has developed methodological frameworks for analyzing urban spatial structure, examined the social consequences of automobile-oriented metropolitan development, and investigated the differential impacts of information and communication technologies. His work has been supported by US DOT, US EPA, and NSF. He has served on the editorial boards of six academic journals, including Journal of the American Planning Association and Journal of Planning Education and Research. He received his PhD in City and Regional Planning from University of California, Berkeley.

沈青，华盛顿大学城市设计与规划专业终身教授，同时任教于土木环境工程学院。沈教授主要研究方向是建筑环境、交通行为以及环境和社会问题。沈教授在加州大学伯克利分校获得城市和区域规划博士学位。当前沈教授主要致力于城市空间结构分析方法论研究，汽车主导的大都市发展研究，信息交流技术影响调查研究。他的研究还曾获得美国交通部、环保署、美国国家科学基金会的支持，文章大量发表于学术期刊，包括美国规划协会杂志、规划教育与研究期刊。



Yue SHEN

Yue Shen is Assistant Professor of the School of urban and regional science at East China Normal University, Shanghai. She got her Ph.D. in human geography from Peking University. She was a visiting scholar at University of Illinois at Urbana-Champaign for one year. Her research mainly focuses on urban studies using activity-travel behavior approach. She is also interested in the effects of information and communication technologies on people's daily life. She is recently working on a project funded by National Natural Science Foundation of China, examining socio-spatial differentiation in suburb area based on daily activity space. She has published over 20 journal papers in Chinese and international journals.

申悦，华东师范大学城市和区域经济学院助理教授，早年在北京大学攻读人文地理学博士学位，并获得奖学金支持赴伊利诺伊大学香槟分校访问交流学习。她的主要研究方向包括基于交通行为的城市研究，信息和通讯技术的日常应用。目前正致力于中国自然科学基金资助的项目：基于郊区日常活动空间的社会空间分异性研究，并在国内外期刊上发表一系列文章。



Qing SHEN



Na TA

Na Ta is a postdoctoral researcher at School of Geographic Sciences, East China Normal University. Her research interests include behavior space, the effects of built environment on activity-travel behavior, and public housing planning for quality of life. Her current research project is about individual space-time behavior and planning of life circle in suburban affordable housing communities in Shanghai. Na has published about 30 articles in peer-reviewed journals, including 6 articles in English.

塔娜，华东师范大学地理科学学院博士后研究员，她的主要研究方向包括行为空间，建筑环境对活动出行行为的影响，公租房规划等。目前她正专注于上海市郊经济适用房全生命周期规划和私人空间-时间行为研究，并出版了许多相关文章，包括英文出版物。

Yang is Deputy Director of Transportation Planning and Design Branch, Urban-Rural Planning & Design Institute, Zhejiang University and Director of Information Technology and Innovation Center, Urban-Rural Planning & Design Institute, Zhejiang University. Dr. Tang Yang works for Zhejiang University, Urban and Rural Planning and Design Institute. He obtained his Ph.D. degree at Tongji University on urban transportation planning. His research focuses on urban cycling and pedestrian environments and bike-sharing systems, an increasingly important area of urban transportation planning. As a visiting student researcher, he has studied at UC Berkeley from 2009-2010. During the past few years, he has attended and in charge of more than ten important research projects and published several journal papers and book chapters, which were encouraging no-motorized transportation in Chinese cities.

汤葐，浙江大学城乡规划设计研究院交通规划设计分院副院长和信息技术创新中心主任。早年毕业于同济大学城市规划专业并荣获博士学位，他的主要研究方向是城市非机动车和步行交通环境以及当前热门的城市交通规划领域：共享单车。他还曾作为访问学者在加州大学伯克利分校交流学习。在过去的一段时间里，杨教授参加过一系列重大研究课题并发表过许多重要的文章，参与编写书籍，并致力于中国城市非机动车交通运输发展研究。



Sophie STURUP

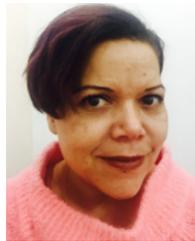
Sophie Sturup, 西交利物浦大学城乡规划与设计系助理教授。她于2007年在牛津大学攻读地理学硕士学位，并于2011年获得墨尔本大学城市规划专业博士学位。Sturup的研究主要应用与大型交通项目的治理，公共设施政府和社会资本合作，大型基础设施项目，森林火灾安全规划，经济发展规划等。Sophie还曾就职于维多利亚政府能源改革部门财政部，政府能源产业私营化项目。此后Sophie还曾在自创的咨询公司在能源产业、公共企业和信息管理方面担任顾问。



Yang TANG

Alainna Thomas is Assistant Professor in Department of Urban Planning and Design at Xi'an Jiaotong-Liverpool University. She has been working on sustainable transportation planning projects in China since 2007. Projects include on transit-oriented development, bus rapid transit, and capacity building in the cities of Beijing, Shanghai, Kunming, Jinan, and Chengdu. Prior to working at XJTU, she held a postdoctoral scholar post at the University of California Davis' Institute for Transportation Studies, working with the National Center for Sustainable Transportation as well as the China Center for Energy and Transport. She received her Master's in City Planning and PhD degrees from the University of California at Berkeley. Her research encompasses a wide range of issues within transportation planning – non-motorized transport, transport equity, sustainable transportation, policy transfer, and electric vehicles.

Alainna Thomas, 西交利物浦大学城乡规划与设计助理教授, 从2007年起从事中国可持续性交通发展规划项目, 项目包括以公共交通为导向的开发、快速公交系统、中国大型城市交通运能研究。她毕业于加州大学伯克利分校并获得博士学位, 在入职西交利物浦大学之前, Alainna攻读加利福尼亚大学戴维斯分校交通运输学博士后奖学金项目, 并就职于国家可持续交通中心和中国能源与交通中心。她的研究领域主要在交通规划方面, 包括非机动车交通运输、交通运输体系的社会公平性研究、交通可持续化发展、政策转移和电动车。



Alainna THOMAS



Runing YE

Runing Ye holds a PhD degree in transport studies from University College London. Her research focuses on the relationships between build environment, travel behavior, wellbeing and social equity. Her work aims to inform urban policies to promote equitable and healthy urban environments. Dr. Ye has researched land use, transport poverty, funded by Lincoln institution of land policy, Joseph Rowntree Foundation and The Royal Geographical Society (with IBG) Hong Kong Research Grant.

叶如宁, 荣获伦敦大学学院运输研究博士学位, 她的主要研究方向包括建筑环境与交通行为以及幸福感和社会公平性的相互关系, 她的研究主要是为了推动公平和健康的城市环境在城市管理上的运用, 并在林肯土地政策研究所以及朗特里基金会和皇家地理学会的资金支持下对土地利用和运输缺陷之间的关系进行过深入研究, 并取得丰硕成果。



James Jixian WANG

James Jixian Wang is Associate Professor of Department of Geography at University of Hong Kong. He received his Bachelor in Economics from the People's University of China, MPhil from the University of Hong Kong, and Ph.D. from University of Toronto. His research area is Transport Geography, with special interests in port development and port-city relations, and public transport in China. He has published widely in many internationally refereed journals and is editorial board member of Journal of Transport Geography, Transportmetrica A, Transportmetrica B, Transport and Society, Asian Geographer. He is chief editor of Ports, Cities, and Global Supply Chains published by Ashgate in 2007, and "Port-City Interplays in China" by Ashgate (2014) is his latest publication. As a port city specialist, Dr Wang has participated in port-city planning projects and strategic studies for more than 30 Chinese and other Asian port cities and regions. His recent research interests include also the impacts of high-speed train and airport on cities, the logistics geography of e-commerce, and the global consumption network (GCN).

王缉宪, 香港大学地理系副教授。王教授毕业于中国人民大学, 在香港大学获得硕士学位, 然后赴多伦多深造并获得博士学位。他的主要研究领域包括运输与地理学, 特别是港口的发展与港口城市的关系、中国公共交通运输。王教授在国际著名刊物上都发表过许多作品, 并在Journal of Transport Geography, Transportmetrica A, Transportmetrica B, Transport and Society, Asian Geographer担任编辑, 他也是《Ports, Cities and Global Supply Chains》的总编辑, 最新出版物《Port-City Interplays in China》。作为港口城市方面专家, 王教授还参与过中国和其他许多亚洲国家港口城市和地区的规划建设, 电子商务物流, 全球消费网络项目 (GCN) 研究。

Austin Rhys Williams is Senior Lecturer at Kingston University, UK and Honorary Research Fellow at Xi'an-Jiaotong Liverpool University in China. He is the director of the Future Cities Project in London. He is also the China correspondent for The Architectural Review, contributing editor for AR Pacific Region, and writes for L'Architecture d'Aujourd'hui. His latest book is "China's Urban Revolution: Understanding Chinese Eco-cities" (Bloomsbury, 2017). Williams is the author of several books, including 'The Enemies of Progress' and co-editor of 'The Future of Community' and 'The Lure of the City.' He co-founded the mantownhuman manifesto and the New Narratives initiative.

Austin Rhys Williams, 英国金斯顿大学高级讲师, 中国西交利物浦大学荣誉研究员。他也是伦敦未来都市计划负责人, Architectural Review杂志亚太地区驻中国特约编辑, 为“今日建筑”杂志撰稿。主要出版书籍包括《The Enemies of Progress》, 合作出版《The Future of Community》、《The Lure of the City》, 最近出版书籍《China's Urban Revolution: Understanding Chinese Eco-cities》。同时Williams也是mantownhuman manifesto 和the New Narratives initiative的共同发起人之一。



Austin Rhys WILLIAMS

Jianhong Wu is Professor of transportation economics in Economics and Management School of Beijing Jiaotong University. He is engaged in the study of Chinese railway system reform and investment and financing policies, management and reform in foreign railway, the development of international railway transportation corridor, high-speed railway management system and benefit evaluation etc. He presided over or participated in more than 80 research projects at all levels (international cooperation, national, provincial and ministerial level), and published more than 80 papers. At present, he serves as the editorial advisory board member of Journal of Railway Planning and Management (IE) and the Journal of China railway etc.

武剑红, 北京交通大学经济管理学院教授, 运输经济学专家, 参与中国铁路系统融资改革研究、外国铁路系统管理与改革, 国际多式联运通道研究, 快速客运铁路网管理体制和效益评价的研究等。武教授主持和参与过80多项国际合作、国家级和省部级研究课题, 出版大量文章, 并担任《铁路规划与管理》和《中国铁路》杂志顾问。



Jianhong WU



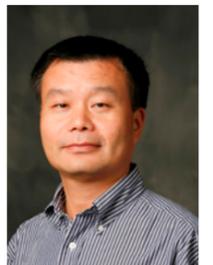
Xiaoxing ZHANG

Xiaoxing Zhang is a Lecturer, registered planner and doctoral candidate in School of Architecture, South China University of Technology. His research fields mainly focus on architectural and urban design, mega-infrastructures, high speed rail network and urban development. He has published 15 journal articles and participated in 6 research projects funded by National Natural Science Foundation of China etc. He has directed or participated in around 50 urban design, urban planning, or architectural design projects including an urban design competition award of a new city central axis of Guangzhou.

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Ming ZHANG



Pengjun ZHAO

INTRODUCTION TO EE HANDBOOK ON TRANSPORT AND URBAN TRANSFORMATION IN CHINA

HANDBOOKS OF RESEARCH ON CONTEMPORARY CHINA SERIES

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Introduction

Since economic reform initiated in 1979, transport has played a key role in the unprecedented urbanisation process in China. As the British economist Colin Clark's celebrated aphorism (1958) notes that "transport is maker and breaker of cities", under a "Planning for Growth" model (Wu, 2015), the relationship between transport and urban transformation in Chinese cities is interwoven. In the initial post-reform era, creation of special economic zones led to expansion of ports and road transport network that facilitated economic growth. Soon, with urban expansion coupled with increasing job-home mismatches and personal purchase powers, rapid motorization results in a number of environmental and health issues e.g. congestion, air pollution, road capacity, land consumption etc. In order to address these issues, more recently, from the mid-2000s, a massive influx of public transport systems (such as metro, light rail, tram, bus rapid transit, bike sharing etc.) has been implemented in several Chinese cities, to a large extent thanks to technical and financial assistance from international organisations and transport policy mobility from abroad. Further, rail reform since the late 1980s and the arrival of high-speed rail (HSR) from 2008 have brought about remarkable time-space shrinkage, marking another key wave of territorial restructuring.

Contemporary Chinese cities are facing a wide range of challenges in the transformation process. Unlike most advanced economies where the development of transport infrastructure took a fairly long period of time and now are in a mature stage. In the modernization process, Chinese cities are experiencing large-scale and various transport investment of both public and private transport modes concurrently in relatively short time. This handbook will incorporate chapters that explore the relationship between transport and urban transformation in the context of transition China through four major dimensions. The aim is to offer a comprehensive coverage of key issues that underpin our understanding of transport and territorial development in China. The chapters present the state of the art as well as new directions (research, policy and practice) for the future. Papers in this handbook will provide critical judgments, informative and evolutionary accounts of key policies, patterns, and issues related to transport and urban transformation in Chinese contexts. Original empirical evidence and comparative perspectives are most desirable and welcome. The book will be structured in six parts (a more detailed table of contents is provided below):

Part 1 Introduction to the book

Part 1 introduces the transitional china and the role of transport in the process. It will deal with definitions and different interpretations of transport and urban transformation, the importance of the topic, introduction to the key themes which are discussed in the core of the book.

Part 2 Transport Planning, territorial restructuring and development

Part 2 investigates the development of key transport modes and development policies (port, HSR, road, urban transit systems, airport-rail hub, BRT, non-motorised transport etc.) and their spatial-economic impacts. How have the territories of contemporary Chinese cities and regions been restructured and transformed? What characteristics could be identified? To what extent and why are differences identified across different cities and regions? In what way could transport planning and spatial development be better coordinated?

Part 3 Transport, environment and technology

Part 3 considers environmental and technological aspects of transport. The concern is especially derived from environmental impacts of transport at both macro and micro levels i.e. climate change and air quality. Moreover, apart from physical transport, in the era of advanced ICT and e-commerce (pervasive in China), patterns of production and consumption have been revolutionized. A key question is about how the new technological applications have impacts on demand for travel in terms of passenger and freight movement and subsequently travel behavior. Also, with the availability of big data, how can smart technology assist to understand urban dynamics much better? What are the key possibilities, advantages/disadvantages, and limitations?

Part 4 Travel, people and social justice

Part 4 explores social and cultural dynamism of mobility i.e. travel, people, and social justice. As "Splintering Urbanism" (2001) rightly notes "the construction of space of mobility and flow for some, however, always involves the construction of barriers for others" (ibid, p,11). So far, the concern for social equity and people's well-being and preferences in transport planning practice is still largely ignored in the Chinese context and thus appears to be an emerging critical topic. Who are the winners and losers in this process? To what extent can the concern for social equity play a key role in the transport planning in China? To what extent and why would informal transport phenomenon in China be so pervasive?

Part 5 Development models and Governance

Part 5 extends to a better understanding of policies and mechanisms i.e. reforms, policy mobility, development models, politics of planning and governance. Although improved accessibility is evident, as Graham and Marvin (2001) note, these infrastructural landscapes are not separated and autonomous. Spatial-economic, social, and cultural dynamics triggered by these movements across space are closely related to contextual mechanisms underlying the transformation process.

Part 6: Summary and Conclusions

Part 6 concludes by synthesizing the main findings from four dimensions. It draws together rich literature in the field and the state of the art as well as new directions (research, policy and practice) for the future.

Handbook Outline

Part 1 Introduction to the Book

1. Setting the Scene: Transport and Urban Transformation in China

Written by editors

Part 2 Transport Planning, Territorial Restructuring and Development

2. The Development of Container Ports and the Evolution of Chinese Port Cities

James Jixian Wang, Department of Geography, University of Hong Kong

3. Motorway (highway) Development in China

Xin Fu, Department of Science Management and Engineering, Chang'an University, Xi'an

4. High-speed Rail and Its Wider Spatial-economic Impacts in Chinese cities and regions: A Multi-Level Analysis

Chia-Lin Chen, Department of Urban Planning and Design, XJTLU

5. Retrospect and Prospect on China's Air-Rail Integration: A Multifaceted Analysis

Xueming Chen, Department of Urban Planning and Design, XJTLU

6. The Interactions between Rail Stations and Urban Spatial Structure: A Case of Guangzhou

Xiaoxing Zhang & Yingsheng Tian, School of Architecture, South China University of Technology, Guangzhou

7. Urban Rail Transit Development in China

Yuan Lu, Beijing Jiaotong University

8. A Chinese Approach to "Transit-Oriented Development" (TOD)

Ming Zhang, Department of Landscape Architecture and Urban Planning, University of Texas at Austin

9. Non-motorised Transport Development in Chinese Cities

Yang Tang, Urban-Rural Planning and Design Institute, Zhejiang University

10. Road Development and Public Transport Provision in Rural China

Dijia Gong, Department of Urban and Rural Planning, Zhejiang Normal University

Part 3 Transport, Environment and Technology

11. Transport and Air Quality in China

Zhongren Peng (Urban and Regional Planning Department, University of Florida), Chao Liu (Urban and Regional Planning Department, University of Florida) & Ya Gao (Department of Civil Engineering, Shanghai Jiaotong University)

12. Suburban Rail Transit Proximity and Commuting Greenhouse Gas Emission

Haixiao Pan, College of Architecture and Urban Planning, Tongji University

13. ICT and Changes in Activity-travel Behavior in Urban China

Yue Shen (East China Normal University), Na Ta (East China Normal University), Mei-Po Kwan (University of Illinois at Urbana-Champaign) & Feng

Zhen (Nanjing University)

14. Cell Phone Signaling Data and Its Implication for Urban Transport Modeling: A Case Study in Hangzhou

Cheng Shi, College of Architecture and Urban Planning, Tongji University

15. The Rise of Online Ride-hailing Services and its Impacts on Urban Transport in China

Shaoqing Huang, Antai College of Economics and Management, Shanghai Jiaotong University

Part 4 Travel, People and Social Justice

16. Mobility and the Chinese Dream

Austin Rhys Williams, Department of Architecture, Xian Jiaotong Liverpool University

17. Impact of Individuals' Commuting Trips on Subjective Well-being: Evidence from Xi'an

Runing Ye and Helena Titheridge, Transport Institute, University College London, UK

18. Public Transport and Private Travel Preferences: A Comparative Study between Chinese and Australian Communities

Shaoli Wang, Carey Curtis & Jan Scheurer, School of Built Environment, Curtin University, Australia

19. Urban Transport Inequality in Transition China: Exploring social-spatial Inequality of Commuting

Pengjun Zhao, Urban and Regional Planning, School of Urban and Environmental Sciences, Peking University

20. Transport, Social Justice and Capabilities in Beijing

Mengqiu Cao and Robin Hickman, Bartlett School of Planning, University College London, UK

Part 5 Development Models and Governance

21. Railway Reform in China

Jianhong Wu, Economics and Management School of Beijing Jiaotong University; Yiqin Liu, Policy and Regulation Department of Chinese Ministry of Railways; Zhaoxia Kang, Economics and Management School of Beijing Jiaotong University

22. Planning Intercity Railway System in China's Mega-city Region: The Case of the Pearl River Delta

Jiang Xu, Department of Geography, the Chinese University of Hong Kong

23. Transport Policy Transfer vs. Partnership: A Comparative Study of Jinan and Kunming

Alainna Thomas, Department of Urban Planning and Design, Xian Jiaotong Liverpool University

24. The Exploration of Urban Transport Policy from Car-based to People-based Cities

Bo Quan and Dingyuan Xu, China Academy of Urban Planning and Design

Part 6 Summary and Conclusions

25. Implications for Future Transport Planning and Sustainable Urban Transformation in China: Research, Policy, Practice

Written by editors

The chapter titles listed here might be subject to changes before publishing.



Host Institution 主办单位

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