Place-making around high-speed railway stations in China
Dai, G.

Citation for published version (APA):
Dai, G. (2015). Place-making around high-speed railway stations in China

General rights
It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations
If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: http://uba.uva.nl/en/contact, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

UvA-DARE is a service provided by the library of the University of Amsterdam (http://dare.uva.nl)
The rapid expansion of the High-Speed Railway (HSR) network in China generates leapfrog urbanization on the urban periphery in the forms of ambitious blueprint plan around the mega hubs. Nevertheless, most of the station areas and spatial extension lack “place quality”. The place-making process of such HSR-new-towns is treated as a multi-actor arena, in which dilemmas are solved under particular institutional arrangement. This research pursues the “how” question in relation to the power games among government, market and civic actors, as well as the way they impact the spatial outcome. It unfolds the decision-making process of four collective action problems: location choice, spatial and infrastructural integration, functional diversity, and sustainability. It argues that even under the government-led, pro-growth rational in China, the variations of institutional arrangement can subsequently contribute to achieving specific place quality in HSR megaprojects. Three cases are investigated: the Wuhan Yangzhun-lake new sub-center around the Wuhan Railway Station, the Nanjing South New Extension around the Nanjing South Railway Station, and the Shanghai Hongqiao Business District around the Hongqiao Integrated Transport Hub.

The research was conducted at the Urban Planning Group, Department of Geography, Planning and International Development Studies (GIP), Faculty of Social and Behavioural Sciences (FMG), and the Amsterdam Institute of Social Science Research (AISSR), University of Amsterdam (UvA). It benefits from the financial support of the China Scholarship Council (CSC).

Guowen Dai obtained the B.E. and M.Sc. of Urban Planning and Design at the School of Architecture, Southeast University, China. Trained as an urban designer, her main research interest is to unfold the institutional and governmental diversity during urbanization, particularly mega-projects.
PLACE-MAKING AROUND HIGH-SPEED RAILWAY STATIONS IN CHINA

GUOWEN DAI
PLACE-MAKING AROUND HIGH-SPEED RAILWAY STATIONS IN CHINA

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor
aan de Universiteit van Amsterdam
op gezag van de Rector Magnificus
prof. dr. D.C. van den Boom
ten overstaan van een door het College voor Promoties ingestelde commissie,
in het openbaar te verdedigen in de Agnietenkapel
op vrijdag 20 november 2015, te 12.00 uur

door

GUOWEN DAI

geboren te Jiangsu, China
Promotiecommissie:

Promotor: Prof. dr. W.G.M. Salet University of Amsterdam
Copromotor: Dr. J. de Vries University of Amsterdam

Overige leden: Prof. dr. P. Ho Delft University of Technology
     Prof. dr. J. Woltjer University of Westminster
     Prof. dr. W. M. de Jong Delft University of Technology
     Prof. dr. ir. L. Bertolini University of Amsterdam
     Prof. dr. R. Ronald University of Amsterdam
     Dr. S. J. H. Majoor Amsterdam University of Applied Sciences

Faculteit der Maatschappij - en Gedragswetenschappen

This research has benefitted from the financial-support of China Scholarship Council (CSC) and the Amsterdam Institute for Social Science Research (AISSR), University of Amsterdam (UvA).

Design and Layout: Guowen Dai
Cover image: Guowen Dai
Print: Ipskamp Drukkers

All rights reserved. No part of this publication may be reproduced, stored in retrieval system, or transmitted, in any form, by photocopying, electronic, mechanical, recording, or any other means, without prior written permission from the author (dgw1983@gmail.com).
## Contents

**ACKNOWLEDGEMENT**  
1

**CHAPTER 1**  
Introduction 5

**CHAPTER 2**  
Why High-Speed Railway Stations Continue China’s Leapfrog Urbanization? The Institutional Parameters of Urban Development 31

**CHAPTER 3**  
Institutional Anatomy of Chinese HSR-oriented Development: Nanjing South Station Area 57

**CHAPTER 4**  
The Impact of Policy Networks on the Urbanization around High-Speed Railway Stations in China: The Case of Wuhan 85

**CHAPTER 5**  
Place-making in Shanghai Hongqiao Business District: An Institutional Capacity Perspective 115

**CHAPTER 6**  
Conclusions 145

**APPENDIXES**  
Appendix-I: Glossaries 164  
Appendix-II: Trajectories of Three Cases 168  
Appendix-III: List of Documents 172  
Appendix-VI: List of Figures and Tables 182  
Appendix-V: List of Actors 185  
Appendix-VI: Indexes of Chinese HSR Stations 189  
Summary (EN) 195  
Samenvatting (NL) 205  
摘要 (CN) 215
Acknowledgement

When this PhD journey is finally approaching the end, it becomes more difficult than I thought to write up a decent acknowledgement. Everything flashes back.

“What is your fascination?” This was the very first and also ultimate question that my promoter Prof. Willem Salet has kept asking me. Educated as an urban designer in China, I felt confused to witness the difficulties to realize a “brilliant” urban design. That’s why I chose to study the social complexity of urbanization when facing the possible chance of applying support from the Chinese Scholarship Council. Yet, full of excitement and curiosity, I haven’t thought of the potential uncertainty when stepping into the 12-hour’s flight to a foreign country. Well, the helplessness has indeed grabbed me for a while. But I’ve never doubted my decision, for this trajectory indeed has been a journey of finding and redefining myself.

First and foremost, my sincere gratitude goes to my promoter Willem Salet and my co-promoter Jochem de Vries. I still remember the very first handshake with Willem, firm and warm, in his Bauhaus-style G-building office. The enthusiasm in his introduction of the newly established discussion group, “Dream-team”, and the upcoming academic events immediately dragged me out of the confusion and helplessness to the “real business”. The cheerfulness went on for the discussions in the following years with the scenic background of the Nieuwe Prinsengracht canal out of his balcony. He has always been able to give insightful and direct suggestions, some of which took me a while to fully digest. Jochem has tolerated my ignorance in social science and patiently led me towards a more socially constructivist perspective. He offered inspirations by raising many challenging questions, which pushed me to think critically and argue logically. I also really appreciate that both of their supervision went much beyond the academic interaction and extended to the conversations at the Coffee Company, at their homes, on the cycling trip in Houten, and on the long High-Speed Railway trips across China, etc.

My acknowledgement naturally extends to the “dreamers” and “PUMAers”, the colleagues in the Urban Planning Group. Due to the shared research topic, Prof. Luca Bertolini has inspired me so much in sense of giving generous feedbacks and suggestions. Stan Majoors (and Daniela Wullers) and Prof. Leonie Janssen-Jansen have showed my way out of the confusion, when stepping into this whole new world from the very beginning. Ren Thomas has shown me the true spirit as a “lady planner” and the joy as a heartfelt researcher. In the Chinese context, all of the following persons would be my “academic family” (Tong-men), including Anita Blessing, Marco te Brömmelstroet, Paul Chorus,
Sebastian Dembski, Jan Duffhues, David Evers, Mendel Giezen, Lucas Harms, Rivke Jaffe, Thijs Koolmees, Melika Levelt, Bas Hissink Muller, Nick Smit, Caroline Uittenbroek, Rick Vermeulen, Michel van Wijk, and Ching-wen Yang, etc. This literal interpretation, “academic family”, actually explains so much, for their companion have triggered my progress day-by-day.

The Department of Human Geography, Planning, and International Development in UvA has provided a rather easy-going atmosphere. I still remember Rene Boer’s welcoming board when he picked me up from Schiphol on the very first day. The corridor talks with colleagues, like Prof. Robert Kloosterman, Bart Lambregts, Prof. Sako Musterd, Prof. Jan Nijman, Prof. Arnold Reijndorp, Prof. Richard Ronald, and Dick Schuiling, might generate inspiring ideas for me. And I’d like to express my special thanks to Puikang Chan, Marian Hamann, Marianne Heelsbergen, Barbara Lawa, Guida Morais e Castro Ermida, and Joni Haijen, who have solved my endless questions.

The lovely officemates shared the most memories with me: Wendy Tan has always been such a reliable and warm-hearted companion, either on the research or in non-academic life. I feel blessed to have witnessed Els Beukers’ “upgrading” process from a PhD candidate to a mother. Federico Savini has impressed me in so many ways by his passionate drum performance, self-disciplined work routine, and sharp argumentation in “Dream-team” discussion. Moreover, I’ve also enjoyed the causal chats with De-jung (Doreen) Chen, Koen Raats, and Enrica Papa, either on the (only) balcony of N-building, in our second-hand couch, or in the sunshine of Pizzabakker. Having the chances of moving offices, I also experienced several different arrangement of other unforgettable roommates: Wouter van Gent, Reijer Hendrikse, Josje Hoekveld, Sabine Meier, Andrew Switzer, etc.

Luckily, our offices were not arranged according to disciplines, so that I could enjoy cross-field communications with Marco Bontje, Willem Boterman, Oana Druta, Emma Folmer, Michela Guerini, Bart Sleutjes, Annalies Teernstra, etc. De-jung (Doreen) Chen opened my eyes to such a colorful world of couchsurfing from the anthropological and sociological perspective. Xu Zhang and Jing Zhou not only shared their fresh update about urban geography development in China, but also greatly helped in organizing the Urban China Study Seminars. The discussion also extended to the parties at Rowan Arundel or Tara Saharan’s living rooms, to Federico’s band show on music festival, as well as my yoga lessons with Monica Skórksa or Anna Glasmacher. It’s a bit pity to have missed Guowei Lv’s trajectory in UvA, for we shared some research interest.
Apart from the UvA colleagues and friends, the training, workshops, and other social events enlarged my academic network. I feel rather lucky to have met Xiang Chen, Fangfang Cheng, Can Cui, Laksmi Darmoyono, Jianxi Feng, Pu Hao, Jinghuan He, Hong Hu, Wei-ju (Astor) Huang, Xu Huang, Xinchuan Liu, Xiaoli Lv, Rui Mu, Bogdan Stamoran, Yuting Tai, Huiqi Yan, Lijing Yang, Jun Ying, Shuhai Zhang, and Guohua Zeng. The conversations with Astor during reading group, BBQ, and many other occasions have inspired and encouraged my research a lot. There have been very precious chances to have face-to-face discussions with the researchers bearing the names that frequently show up in my references, including Prof. You-tien Hsing from University of California at Berkeley, Prof. Klaus Kunzmann from Dortmund University of Technology, Prof. Jixian Wang from Hong Kong University, Prof. Fulong Wu from University College London, and Prof. Bing Zhang from the China Academy of Urban Planning and Design. Besides, Ms. Yawei Chen and Prof. Martin de Jong from the Delft University of Technology, and Ms. Jiayan Liu from Tsinghua University have improved my work with their insightful comments. I am also grateful to my highly esteemed reading committees: Prof. Luca Bertolini, Prof. Peter Ho, Prof. Martin de Jong, Dr. Stan Majoor, Prof. Richard Ronald, and Prof. Johan Woltjer.

This research would never come into shape without the help of many teachers, friends and even strangers during the fieldwork. My previous promoter during graduate, Prof. Jin Duan from Southeast University, offered the most selfless and vital help from his network for my fieldwork. Besides, Prof. Wei Dong, Shijie Sun, Prof. Chenghui Wang, Prof. Xiao Wu, Prof. Jianqiang Yang and Qian Zhang offered their support for the workshops that I co-organized with the Faculty of Architecture in the Southeast University. Yongqiang Zhang from Wuhan Land Resource and Urban Planning Bureau provided the precious connections to the local planners and key actors in the Wuhan case. Interviews with Prof. Jiang Wu and Prof. Wujun Liu impressed me with their enormous knowledge and deep understanding of Shanghai Hongqiao case. Mr. Fengjun Yin from the Headquarter of Nanjing South Extension answered my detailed questions with patience. And the conversations with Runqing Shao, Song Ji, Ming Yin, and Jing Tang from the Southeast University gave me vivid details of the process of Nanjing case. Xiaoxi Hui, from Beijing University of Technology, surprised me by such a vivid introduction of Beijing historical city to the Dutch students during their field trip in China. And Guus Verduijn amazed me with his understanding of Utrecht’s history, stories, and planning. Besides, I was very fortunate having met those anonymous interviewees, to whom I might not have the chance to express the thankfulness face-to-face after this research.
Living in a completely different environment can be exciting but also sometimes lonely. My thankfulness particularly goes to the friends in daily life. Yang Song has been my first call when in emergency, and the great chief when my stomach was longing for the Chinese cuisine. I have enjoyed so much in common with Doreen and Astor, not only language and food, but also values in life. The experiences on our holidays (with Julie Huang or Ching-wen Yang) will stay fresh. Qiu Li’s explorative companion has made my first year in Amsterdam easier and more exciting. I also share the memories of hotpot/BBQ parties with Tiexi Chen, Hai Hu, Kaikai Jing (and Ikhide Aligbeh), Bei Li, Chao Li, Hairong Li, Jianan Li, Fangbing Liu, Lei Liu, Xiaolong Liu, Xinchuan Liu, Zhongyu Lou, Difei Lu, Ding Qi, Wei Quan, Yifan Shi, Zhe Sun (and Xiaojun Xu), Fangyong Tang, Tong Wang, Xiang Wang, Mengxiao Wu, Cihua Xu, Yadong Xu, Bo Yan, Qiang Yang, Si Yin, Zhiwei Zhan, Duanyang Zhang, Ying (Jenny) Zhang, Jing Zhao, Fujin Zhou, Hao Zhu, etc. Luckily, my friendship with Xue Hou has continued from Amsterdam to Beijing. The same situation also applies to many others, including Longyuan Chen, Fengkui Ju, Xirong Li, Meng Sun, Wenqian Yu, Ling Zhang, Liying Zhang, Yunuo Zhang, Zhen Zhang, and Guohua Zeng (and Jie Yu). The friendship in the neighborhood of Molukkenstraat and Science Park has made Amsterdam my second home.

Gladly, my social network of undergraduate (and even high school) also expanded to the European continent. I share the time zone as well as life reflections with Linhui Bao, Shuaishuai Ho, Yafei Liu, Yu Lu, Mingzhu Xie, and Ying Yin.

Last but not the least, I would like to dedicate my gratitude to my beloved husband. Although we only shared the first 11 months in the Netherlands, Yanjing and I have made through all the years of long-distance and eventually became life companion in Beijing. His pure love and reflective spirit has made my life full of inspirations and motivations. Not to mention the surprise-visit all the way from China or the tailored-made birthday cake...

The deepest gratefulness goes to my parents: The distance from Nanjing to Amsterdam might have departed us for a while, but it brought my heart even closer to yours than ever. 亲爱的爸妈, 南京阿姆虽相隔万里，却让我心与你们格外亲近！

June 2015
Beijing, China