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Updated in February 2020.

See the latest CV for details:

<http://www.beijingcitylab.com/longy>

Tsinghua University Scholars Library: <http://thurid.lib.tsinghua.edu.cn/scholar/654095>

ResearchGate: http://www.researchgate.net/profile/Ying_Long

Google Scholar: <https://scholar.google.com/citations?user=4KAatI4AAAAJ>

RESEARCH AND TEACHING INTERESTS

- (New) Science of Cities
- Urban Big Data Analysis and Visualization
- Urban Modeling
- Data Augmented Design
- Smart City (Space)
- Future City (Space)

PROFESSIONAL EXPERIENCES

- 2017.01-present. Research Professor / PhD Supervisor, School of Architecture, Tsinghua University, Beijing, China.
- 2015.12-2016.12. Associate Research Professor, School of Architecture, Tsinghua University, Beijing, China.
- 2013.05-2014.05. Visiting Scholar, Department of Architecture, University of Cambridge, UK. (Funded by China Scholarship Council).
- 2009.08-2015.12. Senior Engineer, Beijing Institute of City Planning, Beijing, China.
- 2004.08-2009.07. Engineer, Beijing Institute of City Planning, Beijing, China.

EDUCATION

- 2011. Ph.D. in Architecture, Tsinghua University, China.
- 2004. M.E. in Environmental Science and Engineering, Tsinghua University, China.
- 2002. B.E. in Environmental Engineering, Tsinghua University, China.

COURSES TAUGHT

Undergraduate:

1. 2020 春. 智慧城市专业创新实践(41510115-0), 本科生, 5 学分
2. 2018& 2019. The New Science of Cities (00000042-90).
3. 2018& 2019. An Introduction to Urban Modeling (00000031-90).
4. 2016& 2017& 2018& 2019. Urban & Rural Comprehensive Survey.

Graduate:

1. 2018&2019. Urban Design(EPMA Graduate).
2. 2016& 2017& 2018& 2019. Big Data and Urban Planning.
3. 2016. Structural Urban Design.

MOOC:

1. 2020.01. The New Science of Cities, Recording.
2. 2018& 2019. Big Data and Urban Planning.

WORKSHOP

1. 2019. Graduate: China Shrinking Urban Planning and Design Workshop (Hegang, 2019).
2. 2018. 2018 CAADRIA (Extruded City: Geospatial Coding with Möbius Modeller) Workshop.
3. 2017&2018. Graduate: Competition and Workshop of Big Data Supporting Spatial Planning and Design.
4. 2017. Graduate: The 3rd China Space Syntax Conference Student Workshop (Shenzhen).
5. 2017. Graduate: Urban Big Data Workshop.

RESEARCH AWARDS & HONORS

1. 2019. China Urban Planning Youth Science and Technology Award.
2. 2019. Beijing Science and Technology Rising Star Program
3. 2019. The First 30 New-Generation Digital Economy Talents
4. 2019. Forerunner 5000-Top Academic Papers in China's Key Sci-Tech Journals.
5. 2019. Nominated Paper on Urban Planning Award by Jinjingchang Foundation.
6. 2018. GIS New Talent of Chinese University.
7. 2018. Second Prize and Third Prize, National Distinguished Planning and Design.
8. 2017. The "Young Researcher Award in GIScience", The Austrian Academy of Sciences' Commission for GIScience.
9. 2017. Third Prize, The 13th Outstanding Achievement of Social Science in Chengdu
10. 2017. Praise Award, Hubei Distinguished Planning and Design (Urban Planning)
11. 2017. Two Second Prize, Beijing Distinguished Planning and Design.
12. 2016. Distinguished Paper on Urban Planning Award by Jinjingchang Foundation.
13. 2016. Distinguished Paper of the Most Influential Geography Journals in China.
14. 2016. Forerunner 5000-Top Academic Papers in China's Key Sci-Tech Journals.
15. 2016. Second Prize, National Distinguished Planning and Design, China.

16. 2016. First Prize, China Association for GIS.
17. 2016. Third Prize, Huaxia SciTech of State Ministry of Construction, China.
18. 2015. Second Prize, Beijing Distinguished Planning and Design.
19. 2015. Distinguished Paper on Urban Planning Award by Jinjingchang Foundation.
20. 2015. Third Prize, China Association for GIS.
21. 2014. Third Prize, Beijing SciTech Award.
22. 2014. Third Prize, National Distinguished Planning and Design.
23. 2013. First Prize, Beijing Distinguished Planning and Design.
24. 2013. Second Prize, Excellent Survey Results of Beijing Municipal Planning Commission .
25. 2012. First Prize, Guangdong Environmental Protection Science and Technology.
26. 2012. Second Prize, National Distinguished Planning and Design.
27. 2011. First Prize and Second Prize, Beijing Distinguished Planning and Design.
28. 2010. GIS New Talent of Chinese University.
29. 2010. Third Prize, Huaxia SciTech of State Ministry of Construction.
30. 2010. Second Prize, Distinguished Planning and Research, Beijing Institute of City Planning.
31. 2010. First Prize, Distinguished Paper of Cross-strait GIS Forum.
32. 2010. Distinguished Paper, Tsinghua Ph.D. Candidate Forum.
33. 2009. Golden Medal, National Distinguished Engineering Design.
34. 2009. First Prize and Second Prize, National Distinguished Planning and Design.
35. 2009. Distinguished Paper Urban Planning Award by Jinjingchang Foundation.
36. 2009. Distinguished Paper, National Ph.D. Candidate Forum.
37. 2008. Third Prize, Beijing SciTech Award.
38. 2007. Third Prize, Beijing Water SciTech Award.
39. 2007. First Prize and Second Prize , Beijing Distinguished Engineering Design.
40. 2006. Distinguished Staff, Beijing Institute of City Planning.
41. 2005. Distinguished New Comer, Beijing Institute of City Planning.
42. 2004. Distinguished Graduate Student, Tsinghua University.

TEACHING AWARDS & HONORS

1. 2019. MOOC: Big data and Urban Planning, Tsinghua University "Outstanding MOOC Award".
2. 2019. MOOC: Big data and Urban Planning, Selected Courses for "Learning power" and Daily MOCC Section by the Propaganda Department of the CPC Central Committee.
3. 2019. 《Big data and Urban Planning》 , "Thirteenth Five-Year Plan" Textbooks for Civil Engineering of the Ministry of Housing and Urban-rural Development of China.
4. 2019. Excellent Award, Evaluation of National Urban & Rural Comprehensive Survey.
5. 2019. Third Prize, The 37th "Challenge Cup" Extracurricular Academic Science and Technology Works Competition.

6. 2019. Grand Prize and First Prize, Chengyuan Cup · Planning Decision Support Model Design Competition.
7. 2019. Second Prize, China Shrinks Urban Planning and Design Workshop (Hegang, 2019).
8. 2018. First Prize and Second Prize, Shanghai Urban Design Challenge Award.
9. 2018. Two Excellent Award, Evaluation of National Urban & Rural Comprehensive Survey.
10. 2018. First Prize, Big data supports spatial planning and design workshop.
11. 2018. Second Prize, Big data supports spatial planning and design competition.
12. 2018. Aedas Design Competition Scholarship 2018.
13. 2018. Academic Research Promotion Program for Tsinghua University Students.
14. 2018. First Prize, Chengyuan Cup · Planning Decision Support Model Design Competition.
15. 2018. Excellent Papers of the Eighth (2018) Cross-Strait Tsinghua Graduate Academic Forum.
16. 2017. Best Instructor of the Year and Nomination Award, The 7th Annual Aijing Award International Landscape Architecture Design Competition.
17. 2017. Slow Traffic Design Award in Shanghai Urban Design Challenge.
18. 2017. Grand Prize, The first SPSP Youth Forum "smart community form and Design Competition"
19. 2017. First Prize, Chengyuan Cup · Planning Decision Support Model Design Competition.
20. 2017. Best Oral Presentation of the Tsinghua University Doctoral Academic Forum and the 7th Cross-Strait Tsinghua Graduate Academic Forum.
21. 2017. Presentation of the 6th Jinjingchang Chinese Young Planners Innovation Forum.
22. 2017. Outstanding Teaching Research Papers of Annual Conference of Urban Planning Education in Chinese Colleges and Universities.
23. 2017. Third Prize and Two Excellent Award, Evaluation of National Urban & Rural Comprehensive Survey.
24. 2017. Excellence Award, Yilong Future Urban Design International Competition
25. 2016. Four Excellent Award, Evaluation of National Urban & Rural Comprehensive Survey.
26. 2016. Shanghai Urban Design Challenge Award.
27. 2015. Beyond the Frontier.

RESEARCH PROJECTS

1. 2020-2020. Meituan Dianping Company | A Series of Studies on the Business Ecological Index System in Commercial Districts.
2. 2019-2020. Enegy Foundation | Population Scenario Analysis for China.
3. 2019-2021. Beijing Science and Technology Project | Study on the Relationship between Urban Spatial Planning of Medical Facility Accessibility and the Incidence and Mortality of Acute Myocardial Infarction(AMI).
4. 2019-2019. World Resources Institute | The TOD Assessment System Study.
5. 2019-2019. Beijing Municipal Commission of Planning and Natural Resources | Research on the Evaluation Method and Key Indicators of Beijing Regulatory Detailed Planning Based on Big Data .

6. 2019-2023. National Natural Science Foundation Project | Research on Transformation and Development of Small Towns in China.
7. 2019-2020. Tsinghua University Independent Scientific Research Project | UCAM-Tsinghua Collaborative Research Fund | Research on Urban Public Space Improvement Supported by Future Emerging Technologies in the Chinese and British Contexts.
8. 2019-2019. Baidu, World Health Organization (WHO) | Urban Tobacco and Health Research Based on Baidu Big Data.
9. 2019-2019. Meituan Dianping Company | Construction of Smart Business Circle Ecosystem Index.
10. 2018-2021. Peking University (Shenzhen) Future City Laboratory Tiehan Research Open Project Fund | Identification, Evaluation and Intervention of Disorders in China's Urban Public Space: A Case Study of Beijing.
11. 2018-2020. Wellcome Trust | Pathways to Equitable Healthy Cities (London Hub for Urban Health).
12. 2018-2019. MISTI Global Seed Funds | Shrinking Cities in the US and China: A Transnational Comparison.
13. 2018-2019. Tsinghua University Independent Scientific Research Project | UNSW-Tsinghua Collaborative Research Fund | Knowledge Exchange on Data Augmented Design for Sustainable Cities.
14. 2018-2018. Hitachi (China) Research and Development Co., Ltd. | Research Report on Smart City Basic Survey and Change-Driven Analysis .
15. 2018-2018. Tik Tok Company | Beijing Urban Space Vitality Research Report Based on Tik Tok Data.
16. 2018-2018. Xicheng Branch of Beijing Municipal Commission of Planning and Land Resources Management | Research and Practice on Key Techniques of Urban Physical Examination in Xicheng District.
17. 2018-2018. Natural Resources Defense Council | Chinese Cities' Walkability.
18. 2018-2018. Codoon Company | Report on Physical Activity in Chinese Cities Based on Codoon App.
19. 2018-2018. Huaxia Happiness Company | Beijing Asset Value and Land Life Cycle Research Based on Big Data.
20. 2018-2018. China Academy of Urban Planning and Design | New Round of Hefei City Master Plan (2018-2035).
21. 2018-2021. National Natural Science Foundation Project (51778319) | Study on the Fine Recognition, Spatial Representation and Planning Mechanism of China's Shrinking Cities.
22. 2017-2020. National Science and Technology Major Project "Comprehensive Demonstration of High Quality Water Ecological Construction in Beijing Sub Center" | Study on Spatial Optimization of Sponge Facilities for Runoff Reduction and Pollution Reduction.
23. 2017-2018. MISTI Global Seed Funds | Shrinking Cities in the US and China: A Transnational Comparison.

24. 2017-2018. Global Challenges Research Fund | Equitable Access to Sustainable Development.
25. 2017-2018. World Bank | Mid-term Review for China's National New Urbanization Plan (2014-2020): The Spatial Development Aspect.
26. 2017-2018. Mobike Company | Mobike Riding Index.
27. 2017-2017. Didi Company | Using Didi Data to Perspective the Development of Urban Space in China.
28. 2017-2017. China Academy of Urban Planning& Design | Standard Studio of Xiong'an district.
29. 2017-2018. Qingdao City Planning and Design Institute | The Quality Evaluation of Public Space in Qingdao.
30. 2017-2017. Beijing Ways Commercial Road Real Estate Broker Co., Ltd | City Map of Beijing (Industrial Edition).
31. 2017-2017. ShanDong Urban and Rural Planning Design Institute | A Monographic Study on Big Data of Urban Overall Planning in Rongcheng.
32. 2017-2017. The Western Branch of the Chinese Academy of Urban Planning& Design | The Overall Urban Planning of Zunyi (2017-2040) - A Study on the Improvement of the Quality and Vitality of the Public Space in the Central City of Zunyi.
33. 2016-2017. Chinese Cities and Small Towns Reform and Development Center | Study on the Quality Evaluation and Visualization of Urbanization Development under the Support of the New Data on the Implementation of the Recommendations of the Beijing Smart City.
34. 2016-2017. Funded by Natural Resources Defense Council) | Chinese Cities' Walkability.
35. 2016-2017. Alibaba Public Welfare Foundation | The Construction of the Beijing City Laboratory (BCL) Platform.
36. 2016-2016. Xi'an City Planning Information Center | Study on Residential Projects Urban Vibrancy and Inventory in Xi'an.
37. 2015-2018. Xuhui Holdings (Group) Limited by Share Ltd, Beijing Xuhui Contemporary Home Co., Ltd | Joint Research Centre for Sustainable Settlements.
38. 2015-2017. National Natural Science Foundation of China (51408039) | Analyzing Commuting Pattern of Beijing Using Massive Smartcard Records and Its Planning Implications.
39. 2015-2016. Ministry of Housing and Urban-Rural Development of the People's Republic of China | Based on Big Data's urban Construction important indicator Statistical Research.
40. 2015-2016. China Academy of Urban Planning & Design | Quantitative Research of Urban Space development and Urban Street Vibrancy in Chengdu.
41. 2015-2016. Energy Innovation | The Impact of Urban Form and Transportation on Economic Vitality: Evidence from Chinese Cities.
42. 2015-2015. World Resource Institute | Research Service for Aqueduct China.
43. 2015-2015. World Resource Institute | Aqueduct-China and China's Water-Energy Nexus Projects.

44. 2015-2017. Beijing Social Science Fund (SZ201510038021) | Study on Beijing-Tianjin-Hebei Regional polycentricism City Network Development and Functional Optimization.
45. 2014-2015. Peking University-Lincoln Institute | Impact of Metro Station on Shopping Mall in China.
46. 2014-2015. Beijing Institute of City Planning | Study of Using Big Data in Urban Planning.
47. 2013-2014. National Natural Science Foundation of China (51211067) | Academic Exchange on Simulation of Urban Spatial Development between Russia and China.
48. 2012-2014. Low Carbon Energy University Alliance | Low Carbon Urban Design: From Options Assessment to Policy Implementation.
49. 2012-2013. Peking University-Lincoln Institute | Analyzing Job-housing Relationship and Commuting Pattern of Beijing Using Bus Smart Card Data.
50. 2012-2014. Beijing Planning Commission | Beijing Urban Spatial Development Model (Micro-Scale), Beijing Planning Commission.
51. 2012-2013. Key Lab of Regional Sustainable Development Analysis and Simulation, Chinese Academy of Sciences | Evaluation, Prediction and Pathway Identification for Regional Sustainable Development: A Perspective from Urban Expansion.
52. 2011-2014. National Basic Research Program of China (2011CB952001) | LUCC Spatiotemporal Evolving Characteristics of China in Recent 300 Years, National Basic Research Program of China
53. 2011-2012. Beijing Planning Commission | Beijing-Tianjin-Hebei Regional Development Simulation.
54. 2011-2013. National Natural Science Foundation of China (51078213) | Microsimulation for Spatial Plan.
55. 2011-2012. Beijing Planning Commission | Framework of Planning Support Systems and Its Typical Applications.
56. 2011-2015. Beijing Planning Commission | Beijing Planning Permit Analysis.
57. 2011-2011. Tsinghua Ph.D. Candidate Creative Foundation | Key Techniques of Microsimulation for Spatial Plan.
58. 2010-2011. Beijing Planning Commission | A Planning Support Model Using Bus Smart Card Data in Beijing.
59. 2009-2011. Beijing Planning Commission | Beijing Low-Carbon City Development Outline
60. 2009-2011. National Natural Science Foundation of China | Sustainable Urban Form Research of Metropolitans in China Based on Spatial Efficiency.
61. 2009-2010. Beijing Planning Commission | Beijing Urban Planning Implementation Evaluation.
62. 2007-2009. National Natural Science Foundation of China | Integrated Application of Spatial Information Technologies for Digital Urban Planning.
63. 2007-2008. Beijing Planning Commission | Beijing Urban Development Model.
64. 2007-2008. Beijing Planning Commission | Framework of Planning Support Systems.

65. 2006-2010. National Project of Scientific and Technical Supporting Programs Funded by Ministry of Science & Technology of China (2006BAJ14B08) | Integrated Technology Study for Urban Planning and Designing supported by 3S and 4D.
66. 2006-2007. Beijing Planning Commission | Beijing Mountainous Area Master Plan.
67. 2006-2008. Beijing Planning Commission | Beijing Urban Growth Control Plan.
68. 2005-2015. Beijing Planning Commission | Smart Growth Plan of Yizhuang New Town.
69. 2004-2005. Beijing Planning Commission | Beijing Urban Master Plan (2004-2020).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

1. Reviewer for Urban Studies, Annals of the Association of American Geographers, Environment and Planning A/B, Computers, Environment and Urban Systems, Cities, Applied Geography, Habitat International, Ecological Modeling, Frontiers of Earth Science, Annals of GIS, International Journal of Society Systems Science, CaGIS, Science China Information Sciences, Landscape Ecology, Plos One, Transaction in GIS, Transportation Research Part C Emerging Technologies, Transportation Research Part D Transport and Environment, Transportation Letters, Physica A, China Economic Review, China City Planning Review, Sustainable Cities and Society, Frontiers of Environmental Science and Engineering, Journal of Urban Affairs, Journal of Planning Literature, Journal Of Exposure Science And Environmental Epidemiology, International Journal of Geographical Information Science, Urban Forestry and Urban Greening.
2. Chinese Journal Reviewer for Acta Geographica Sinica, Urban Planning International, Shanghai Urban Planning Review, Urban Planning Forum, City Planning Review, Architectural Journal, Geographical Research, Progress in Geography, Modern Urban Research, Journal of Urban and Regional Planning, Tropical Geography, Planners, South Architecture, New Architecture, Landscape Architecture, Landscape Architecture Frontiers.
3. Committee for International Conference: CUPUM (2011, PC and session chair), SPSD (2011, Organizing Committee), SPSD (2013, Organizing Committee), CUPUM (2015, PC), SPSD (2015, PC), International Symposium on Location-Based Social Media Data and Tracking Data (Washington DC, 2017), Conference on Complex Systems (Cancun, 2017, PC), International Association for China Planning (IACP) Conference(Harbin, 2017), ICA Commission on Geospatial Analysis and Modeling (2017, PC), CUPUM (2019, Organizing Committee), SPSD (2019, PC), ILUTM-5(Haikou, 2019, Organizing Committee), International Symposium on Location-Based Big Data (Tokyo, 2019, PC).
4. 2019- present. Deputy Director, Key Laboratory of Eco-Planning and Green Buildings, Ministry of Education.
5. 2019- present. Member of the Smart City Expert Committee of the Ministry of Housing and Urban-Rural Development.
6. 2019- present. Vice Chairman, China Urban Planning Society Urban Planning New Technology Application Academic Committee.

7. 2019- present. Director of the Academic Committee of Computational Design of China Architectural Society .
8. 2019- present. Member of the Teaching Steering Committee of Tsinghua Shenzhen International Graduate School Future Habitat Design Project
9. 2019- present. Member, Smart City Professional Committee, Ministry of Housing and Urban-Rural Development, Member
10. 2019- present. Smart City Expert from Ministry of Housing and Urban-Rural Development
11. 2019- present. Specially-Appointed Expert, National Development and Reform Commission Tsinghua University New Urbanization Research Institute.
12. 2019. Planning Volunteers, Chinese Urban Planning Society.
13. 2019- present. Responsible Planner and University Partner, Haidian Town.
14. 2019-present. PhD Reviewer, University of Grenoble-Alpes.
15. 2019- present. Experts of the Expert Database of the State Administration of Cultural Heritage.
16. 2019. Technological forecasting expert of Urbanization and Urban Development Field, Ministry of Science and Technology of the People's Republic of China.
17. 2018- present. Member of the Healthy Cities Special Committee of China Urban Scientific Research Association.
18. 2018- present. Member of the Academic Committee of the Digital Fujian Institute of Spatial Planning and Big Data.
19. 2018- present. World Bank Expert.
20. 2018-present. Editorial Board, Urban Studies.
21. 2017. Editorial Board, Environment and Planning B.
22. 2017-present. Editorial Board of Shanghai Urban Planning Review.
23. 2017-present. Letter Evaluation Expert of Youth and General Fund of Ministry of Materials and Geosciences, NSFC.
24. 2016-present. Vice Chairman and Secretary, Urban Big Data Professional Committee of China Urban Scientific Research Association .
25. 2016. Reviewers of the National Natural Science Fund.
26. 2016-present. Associate Director of the Research on the Application of Space Information Technology in the Protection of Cultural Heritage, Key Scientific Research Base of the State Administration of Cultural Relics (Tsinghua University).
27. 2016-present. Director of Data Augmented Design Laboratory, Heng Long Center for Real Estate Tsinghua University.
28. 2016-present. Specially Invited Researcher at the Tongji University.
29. 2016-present. Expert of China Big Data Industry Watch Network Think Tank/ Zhongguancun Big Data Industry Alliance Think Tank.
30. 2016-present. Chief Scientist, Digital City Professional Committee, Digital City Engineering Research Center, Chinese Academy of Urban Sciences

31. 2015-present. Off-Campus Tutors at University of New South Wales, City University of Hong Kong, University of Geneva, Peking University, Zhejiang University, Nanjing University and Capital Normal University.
32. 2015-present. Chief Scientist, Digital City Engineering Research Center of Chinese Society for Urban Studies.
33. 2015-present. Visiting Researcher , Beijing Jiaotong University urban planning and Design Institute and Future Cities Co-Laboratory.
34. 2015-present. Planning expert of Xi'an City Planning Bureau.
35. 2014-present. Visiting Researcher, Natural Resources Research Center of Nanjing University.
36. 2014. Technological forecasting expert of Urbanization and Urban Development Field, Ministry of Science and Technology of the People's Republic of China.
37. 2014-present. Editorial Board of Urban Planning International.
38. 2013-present. Founder and Director of Beijing City Lab.
39. 2013-present. Member of Scientific Committee of Urbanization and Regional development strategies, Beijing Academy of Science and Technology.
40. 2013-present. Managing Editor, International Review for Spatial Planning and Sustainable Development (IRSPSD, a SCOPUS and Emerging SCI journal).
41. 2013-present. Scientific Committee of Spatial Planning and Sustainable Development (SPSD).
42. 2010-present. Member of China Planning Society and China Geographic Society.

BOOKS

1. Long Y. (Published in 2020). Principles and Applications of City Model.
2. Long Y, Zhang E. (Published in 2020). Data Augmented Design: Embracing New Data for Sustainable Urban Planning and Design. Berlin: Springer-Verlag Berlin Heidelberg.
3. Long Y, Gao S. 2019. Shrinking Cities in China: The Other Facet of Urbanization. Berlin: Springer-Verlag Berlin Heidelberg. (<https://www.springer.com/cn/book/9789811326455>)
4. Long Y, Mao Q. The Theory and Method of City Big Data. Beijing: China Architecture& Building Press. To be published in 2018.
5. Long Y, & Shen Z. (2015). Geospatial Analysis to Support Urban Planning in Beijing. Berlin: Springer-Verlag Berlin Heidelberg. (<http://www.springer.com/us/book/9783319193410>)
6. Long Y, Zhang B. Urban Planning Theory. Beijing: Chemical Engineering Press, 2008.
7. Long Y. Theory and Application of Planning Support Systems. Beijing: Chemical Engineering Press, 2007.

EDITORIAL

1. Long Y. 2020. Editorial: Shrinking Cities and Towns: The Challenge. Urban Planning and Development Strategies, and Policy Responses. Journal of Urban Planning and Development. (In preparation)

2. Long Y. 2020. Editorial: Geospatial Sensing, Mining & Analytics for Smart Cities. IET Smart Cities. (In preparation)
3. Long Y, Ye Y. 2019. Editorial: Measuring human-scale urban form and its performance. *Landscape and Urban Planning*.
4. Long, Y. 2016. Editorial: Big/Open Data for Urban Management. *Journal of Urban Management*. 4, 73.
5. Shen Z, Ma Y & Long Y. 2014. Editorial: Geoinformation and Spatial Planning. *International Journal of Society Systems Science*, 6(1), 1-3.

BOOK CHAPTERS

1. Ma, Y., & Long, Y. (2018). Identifying and Evaluating Urban Centers for the Whole China Using Open Data. In Z. Shen, M. Li, *Big Data Support of Urban Planning and Management: The Experience in China* (pp. 135-155). Switzerland: Springer International Publishing Switzerland.
2. Long, Y., & Liu, L. (2015). Big/Open Data in Chinese Urban Studies and Planning: A Review. *International Society of City and Regional Planners. ISOCARP Review 11: Reinventing Planning: Examples from the Profession* (pp. 78-91). New York: Routledge.
3. Rong, X., Jin, Y., & Long, Y. (2015). Understanding Beijing's Urban Land Use Development 2004-2013 through Online Administrative Data Sources. In Q. Pan, J. Cao, *Recent Developments in Chinese Urban Planning* (pp. 183-217). Switzerland: Springer International Publishing Switzerland.
4. Long, Y., Mao, Q., & Shen, Z. (2013). Urban Form, Transportation Energy Consumption, and Environmental Impact Integrated Simulation: A Multi-Agent Model. In M. Kawakami et al., *Spatial Planning and Sustainable Development* (pp. 227-247). Dordrecht: Springer Science+Business Media Dordrecht.
5. Shen, Z., Kawakami, M., Lu, F., Bian, L., Long, Y., Gao, L., & Zhou, D. (2012). A Planning Support System for Retrieving Planning Alternatives of Historical Conservation Areas from Spatial Data Using GIS. In Z. Shen, *Geospatial Techniques in Urban Planning* (pp. 307-321). Berlin: Springer-Verlag Berlin Heidelberg.
6. Long, Y., Shen, Z., Mao, Q., & Du, L. (2012). A Challenge to Configure Form Scenarios for Urban Growth Simulations Reflecting the Institutional Implications of Land-Use Policy. In Z. Shen, *Geospatial Techniques in Urban Planning* (pp. 3-26). Berlin: Springer-Verlag Berlin Heidelberg.
7. Long, Y., & Shen, Z. (2012). Reaching Consensus among Stakeholders on Planned Urban Form Using Constrained CA. In Z. Shen, *Geospatial Techniques in Urban Planning* (pp. 91-106). Berlin: Springer-Verlag Berlin Heidelberg.
8. Ma, Y., Shen, Z., Kawakami, M., Suzuki, K., & Long, Y. (2012). An Agent-Based Approach to Support Decision-Making of Total Amount Control for Household Water Consumption. In Z. Shen, *Geospatial Techniques in Urban Planning* (pp. 107-130). Berlin: Springer-Verlag Berlin Heidelberg.

- Long, Y., Shen, Z., & Mao, Q. (2012). An Urban Growth Control Planning Support System for the Beijing Metropolis Area. In Z. Shen, *Geospatial Techniques in Urban Planning* (pp. 285-306). Berlin: Springer-Verlag Berlin Heidelberg.

DISSERTATIONS

- Long, Y. (2011). *Urban Micro-Simulation for Spatial Plan: Data, Modeling, and Evaluation* (Ph.D. Thesis). School of Architecture, Tsinghua University (Supervisor: Mao, Qizhi).
- Long, Y. (2004). *Planning Support Model for Regional Water Pollution Control System* (M.E. Thesis). Department of Environmental Science and Engineering, Tsinghua University (Supervisor: Jia, Haifeng).
- Long, Y. (2002). *Planning Support System for Beijing Wastewater Treatment System Based on Geodatabase* (B.E. Thesis). Department of Environmental Science and Engineering, Tsinghua University (Supervisor: Jia, Haifeng)

REFEREED ARTICLES (in English)

- Ma S, **Long Y***. 2020. "Functional urban area delineations of cities on the Chinese mainland using massive Didi ride-hailing records". *Cities*, 97: 102532. (SSCI; IF=3.8533; Q1)
- Xu W*, **Long Y**, Zhang W*, 2019, "Prioritizing future funding and construction of the planned high-speed rail corridors of China-According to regional structure and urban land development potential indices", *Transport Policy*, 81:381-395. (SSCI; IF=3.19; Q1)
- Wu K*, Tang J, **Long Y**, 2019, "Delineating the Regional Economic Geography of China by the Approach of Community Detection". *Sustainability*, 11(21): 6053. (SCI/SSCI; IF=2.592)
- Li F, Li F, Li S, **Long Y***, 2019, "Deciphering the recreational use of urban parks: Experiments using multisource big data for all Chinese cities". *Science of the Total Environment* , 701: 134896. (SCI; IF=5.589; Q1)
- Xu C, Tang T, Jia H*, Xu M, Xu T, Liu Z, **Long Y**, Zhang R, 2019, "Benefits of coupled green and grey infrastructure systems: Evidence based on analytic hierarchy process and life cycle costing". *Resources, Conservation & Recycling*, 151: 104478.(SCI; IF=7.044; Q1)
- Cui Z, **Long Y***, 2019, "Perspectives on Stability and Mobility of Transit Passenger's Travel Behavior through Smart Card Data" . *IET Intelligent Transport Systems*, 13(12):1761-1769. (SCI; IF= 2.05; Q1)
- Han Z, **Long Y***, Wang X, Hou J, 2019, "Urban redevelopment at the block level: Methodology and its application to all Chinese cities", *Environment and Planning B: Urban Analytics and City Science*, 2019: 2399808319843928. (SSCI; IF=2.825; Q1)
- Long Y***, Huang C, 2019, "Does block size matter? The impact of urban design on economic vitality for Chinese cities", *Environment and Planning B: Urban Analytics and City Science* 46(3): 406–422.(SSCI; IF=2.825; ESI highly cited paper; Q1; Cited 7)
- Xu C, Jia M, Xu M, **Long Y**, Jia H*, 2019, "Progress on environmental and economic evaluation of low-impact development type of best management practices through a life cycle perspective", *Journal of Cleaner Production*, 213: 1103-1114. (SCI; IF=6.395; Q1)

10. Lang W, **Long Y**, Chen T, Li X*, 2019, "Reinvestigating China's urbanization through the lens of allometric scaling", *Physica A: Statistical Mechanics and its Applications*, 525: 1429-1439.
11. Liu L, Silva E A , **Long Y***, 2019, "Block-level changes in the socio-spatial landscape in Beijing: Trends and processes", *Urban Studies* 56(6): 1198-1214. (SSCI; IF=3.272; Q1)
12. Ma S, **Long Y***, 2019, "Mapping Potential Wilderness in China with Location-based Services Data", *Applied Spatial Analysis and Policy*, 2019: 1-21.(SSCI; IF=2.286)
13. **Long Y**, Ye Y, 2019, "Measuring human-scale urban form and its performance", *Landscape and Urban Planning*. <https://doi.org/10.1016/j.landurbplan.2019.103612> (SCI/SSCI; IF=5.144; Q1)
14. Tang J, **Long Y***, 2019, "Measuring visual quality of street space and its temporal variation: Methodology and its application in the Hutong area in Beijing", *Landscape and Urban Planning*. 191:103436. (SCI/SSCI; IF=5.144; Q1)
15. **Long Y***, Wang J, Wu K*, Zhang J, 2018, "Population Exposure to Ambient PM2.5 at the Subdistrict Level in China", *International Journal of Environmental Research and Public Health*, 15(12): 2683. (SCIE/SSCI; IF=2.468; Q1)
16. Zhou J, Murphy E, **Long Y**, 2018, "Commuting Efficiency Gains: Assessing Different Transport Policies with New Indicators", *International Journal of Sustainable Transportation*, 13(10): 710-721. (SSCI; IF=2.586)
17. Lang W, **Long Y***, Chen T, 2018, "Rediscovering Chinese cities through the lens of land-use patterns", *Land Use Policy*, 79:3 62-374. (SSCI; IF=3.573; Q1)
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CONFERENCE PRESENTATIONS (in English)

1. "Does Block Size Matter? The Impact of Urban Design on Economic Vitality for Chinese Cities". The 14th International Congress of Asian Planning Schools Association, Beijing, China, 2017.
2. "Does Block Size Matter? The Impact of Urban Design on Economic Vitality for Chinese Cities". The 2017 International Conference on Spatial Planning and Sustainable Development, Seoul, Korea, 2017.
3. "Measuring Quality of Street Space and Its Temporal Variance: Methodology and Its Application in the Hutongs". The 11th International Association for China Planning (IACP) Conference, Harbin, China, 2017.
4. "Evaluating Cities' Vitality and Identifying Ghost Cities in China with Emerging Geographical Data". The 13th International Conference on Location-Based Services, Vienna, Austria, 2016.
5. "Understanding China's Uneven Urban Expansion in the Big and Open Data Context". The 33rd International Geographical Congress (IGC), Beijing, China, 2016.
6. "Evaluation of Urban Planning Implementation: An Analytical Framework for Chinese Cities and Case Study of Beijing". Global Land Project 3rd, Beijing, China, 2016.
7. "Beijing Urban Containment Planning for a Better Urban Form". International Symposium on Low Carbon Urban Design, Beijing, China, 2014.
8. "Simulating Parcel-Level Urban Expansion for All Chinese Cities". Symposium of Applied Urban Modeling (AUM), Cambridge, UK, 2014.
9. "Planner Agents: A Toolkit for Supporting Planning a Low Carbon Urban Form". Low Carbon Urban Design Workshop, MIT, USA, 2013.
10. "An Applied Planning Support Toolkit Including Quantitative Methods, Software and Models in China". Computers in Urban Planning and Urban Management Conference, Utrecht, Netherlands, 2013.
11. "Environmental Constrains for Sustainable Development in the Beijing Metropolitan Area". International Symposium on Environment, Eco-Technology and Policy in East Asia, Kanazawa, Japan, 2012.
12. "Bus Landscapes". Geoinformatics, Hong Kong, China, 2012.

13. "Retrieving Individuals' Attributes Using Aggregated Dataset for Urban Micro-Simulation: A Primary Exploration". Spatial Plan and Sustainable Development, Kanazawa, Japan, 2011.
14. "Spatiotemporal Heterogeneity of Urban Planning Implementation Effectiveness: Evidence from Five Master Plans of Beijing". Computers in Urban Planning and Urban Management Conference, Calgary, Canada, 2011.
15. "Establishing Urban Growth Boundaries Using Geosimulation for Land Use Control". 46th ISOCARP, Nairobi, Kenya, 2010.
16. "Retrieving Individuals' Attributes Using Aggregated Dataset for Urban Micro-Simulation: A Primary Exploration". Geoinformatics, Beijing, China, 2010.
17. "Urban Growth Control Planning Support System: Methodology, Implement and Applications". International Conference on Urban and Regional Planning in Transitional China, and the 3rd International Association for China Planning (IACP) Conference, Nanjing, China, 2009.
18. "Form Scenario Analysis Using Constrained CA". Computers in Urban Planning and Urban Management Conference, Hong Kong, China, 2009.
19. "Complex Constrained CA Urban Model: Long-Term Urban Form Prediction for Beijing Metropolitan Area". The 44th ISOCARP Congress, Dalian, China, 2008.
20. "BUDEM: An Urban Growth Simulation Model Using CA for Beijing Metropolitan Area". Geoinformatics, Guangzhou, China, 2008.

SELECTED INVITED TALKS(in English)

1. Spatial Intervention and Digital Innovation for Future Cities, Seoul National University, South Korea, 2019.
2. Green Infrastructure for Shrinking Cities in China, Inclusive Smart City Forum, Seongdong Gu, Seoul, South Korea, 2019
3. Quantifying the usage of small public spaces using deep convolutional neural network, International Conference on Urban Computing and Smart Planning, Nanjing University, 2019.
4. Shrinking Cities in China: The Other Facet of Urbanization, Asian Development Bank, Beijing, 2019.
5. Functional Urban Area Delineations of Cities Using Massive Didi Car-hailing Records in China, 2019 International Conference on Spatial Planning and Sustainable Development, Chiba University, Matsudo, Japan, 2019.
6. Data Augmented Design: Embracing New Data for Urban Sustainable Design and Planning, CUPUM2019, Wuhan, China, 2019.
7. Bikeability and Urban Design--Evidence from Massive Mobike Trips in Beijing, UNSW Built Environment, Sydney, 2019.
8. From Planning Systems to Data Augmented Design, UNSW Built Environment, Sydney, 2019.
9. Shrinking Cities in China: The overall profile and paradox in planning, Massachusetts Institute of Technology, the U.S.A, 2018.

10. Beijing City Lab and Its Research in the context of transitioning China, UNSW Built Environment, Sydney, 2018.
11. Shrinking Cities in China, World Bank, Beijing, 2018.
12. Evolving Chinese cities and their problems in spatial development, Beijing Jiaotong University, Beijing, 2018.
13. Shrinking city, Big Data, Small Area, Imperial College London, London, England, 2017.
14. Bike and Car Sharing is a Form of MaaS (Mobility as a Service) in city, EcoMobility World Congress, Kaohsiung, 2017.
15. Evolving Chinese cities and their problems in spatial development, Future City in the New Civilization – Dialogue between Chinese and South Korean Experts, Beijing, China, 2017.
16. Evaluating cities' vitality and identifying ghost cities in China with emerging geographical data, Seminar on "Inclusive Urban and Land Governance", Central University of Finance and Economics, Beijing, China, 2017.
17. Evaluating cities' vitality and identifying ghost cities in China with emerging geographical data, Xi'an Jiaotong-liverpool University, Suzhou, China, 2017.
18. Smart Urbanism(s): The Chinese and Swiss Experiences Compared, University of Geneva, Geneva, Switzerland, 2016.
19. Human-scale urban form, Institute of Confucius, Geneva, Switzerland, 2016.
20. "Beijing City Lab and its Effort on Understanding the Chinese Environment Pollution". Yale Workshop on Third-Wave Data for Environmental Policy in China, Beijing, China, 2016.
21. Human-scale urban form, Approaching the Human City (organized by University of Stanford), Beijing, 2016.
22. Beijing City Lab and its effort on understanding the Chinese environment pollution, SPSP Youth Forum, Fuzhou, China, 2016.
23. Redefining Chinese City System with emerging new data, The University of Hong Kong, Hong Kong, 2016.
24. Redefining Chinese City System with Open Data, Digital city center of China Urban Science Research Society, Beijing, China, 2015.
25. Redefining Chinese City System with Open Data, School of Geography and Ocean Science, Nanjing University, Nanjing, China, 2015.
26. Beijing City Lab: An Emerging Data Science Initiative in China. Expert Group Meeting: Consultations on the HIII Regional Report for the ESCAP Region, United Nations Conference Centre in Bangkok, Thailand, 2016.
27. Creating Cities for Everyone with Data Innovation and Participatory Design, Asia-Pacific Urban Youth Assembly at the 6th Asia-Pacific Urban Forum (APUFY), UN Habitat, Jakarta, 2015.
28. Redefining Chinese City System with Open Data, Pulse Lab Jakarta, Jakarta, 2015.
29. Profiling Extreme Transit Behaviors in Beijing using Bus/metro Smartcard Records and Household Travel Survey, Department of Automation, Tsinghua University, Beijing, China, 2015.

30. An exploratory analysis of transit behaviors in Beijing, International Workshop of Smart City Planning and Construction (SPSD pre-workshop), Fuzhou, 2015.
31. Simulating urban expansion at the parcel level for all Chinese cities, 2015 SURE Symposium of China Urban Ecology Center, Society for Urban Ecology (SURE), Beijing, 2015.
32. “Automated Identification and Characterization of Parcels (AICP) with OpenStreetMap and Points of Interest”, “Combining Smart Card Data, Household Travel Survey and Land Use Pattern for Identifying Housing-Jobs Relationships in Beijing (in English)”, and “Urban Microsimulation for Beijing (in English)”. Invited by the Martin Center for Architectural and Urban Studies, University of Cambridge. Cambridge, UK, 2013.
33. “An Urban Containment Planning Support System for Beijing”. Invited by Kanazawa University, Japan, 2011.

MEDIA COVERAGE(in English)

1. “The young and lonely hearts of China’s shrinking cities”. National Geographic. 2019.
(<https://www.nationalgeographic.com/culture/2019/01/young-lonely-hearts-millennial-northeast-china-shrinking-cities/>)
2. “China’s shrinking cities”. The Greg Zone. 2019.
(<http://www.isaacson.info/chinas-shrinking-cities/>)
3. “Data Shows One-Third of Chinese Cities are Shrinking”. Edgy Labs. 2019.
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4. “Almost one-third of Chinese cities are shrinking, but urban planners told to keep building”. South China Morning Post. 2019.
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6. “China’s shrinking cities”. Inkstone index. 2019.
(<https://www.inkstonenews.com/society/inkstone-index-almost-one-third-chinese-cities-are-shrinking/article/3002365>)
7. “China’s shrinking cities are still addicted to building despite population slump”. South China Morning Post. 2019.
(<https://www.scmp.com/economy/china-economy/article/3004152/growing-pains-chinas-shrinking-cities-are-addicted-building>)
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mSxNb)

Updated in February 2020.

See the latest CV for details:

<http://www.beijingcitylab.com/longy>

Tsinghua University Scholars Library: <http://thurid.lib.tsinghua.edu.cn/scholar/654095>

ResearchGate: http://www.researchgate.net/profile/Ying_Long

Google Scholar: <https://scholar.google.com/citations?user=4KAatI4AAAAJ>