HE Jie

PhD, Associate Professor, Department of Landscape Architecture
Director, Spatial Humanities and Place Computation Laboratory (SHAPC Lab)
Associate Director, Digital Design Research Institute
   School of Architecture, Tianjin University, Tianjin, China

Dr. He Jie is an associate professor on landscape architecture of School of Architecture, Tianjin University. His research interests concentrate on spatial analysis and computation on social, humanities and environmental phenomena, including urban, landscape, heritage and behavior, from disciplines of urban planning to historical geography in various topics including landscape history and archeology, pedestrians, geodesign, visual landscape, etc. He is one of the leading scholars in spatial humanities and HGIS (historical GIS) of China and East Asia. Dr. He is now working on various research topics on urban and landscape history, spatial behavior, big data, and urban/landscape planning and ecology. He teaches spatial technologies and academic research courses in both undergraduate and postgraduate levels in the University. Dr. He is also serving in various academic and professional institutions and associations, as well as several academic journals, both international and domestic. Dr. He is also an experienced architect and urban planner. His design works and publications has won national and provincial awards in Mainland China and Hong Kong.

Contact

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Education

2001 – 2008	Department of Architecture, The Chinese University of Hong Kong, Ph.D in Architecture
1999 – 2001	Department of Architecture, The Chinese University of Hong Kong, Master of Philosophy in Architecture
1993 – 1996	Department of Architecture, Tianjin University, Master of Engineering Science in Architectural Theory and Design
1988 – 1993	Department of Architecture, Tianjin University, Bachelor of Engineering Science in Architecture

Working Experiences

2011 –	Associate Professor, School of Architecture, Tianjin University
2005 – 2011	Research Project Manager, Research Associate, Institute of Space and Earth Information Science, The Chinese University of Hong Kong
1996 – 1999	Teaching Assistant, Lecturer, School of Architecture, Tianjin University

Major Academic Awards

2017	Third Prize of Science & Technology Award of Tianjin Municipal Bureau of Land Resources

and Housing Administration. Tianjin

2009　Best Paper Award of the 5th International Conference on Planning and Design. Tainan

2006　Shortlisted of Green Building Award. Professional Green Building Council, Hong Kong

2006　First Prize of China National Construction Science and Technology Award. MOC, PRC

Research Interests

Spatial humanities; big data and spatial behavior; geodesign and outdoor leisure activities

Major Recent Publications in Peer-reviewed Journals

雷巍, 何捷. "高线效应"与"毕尔巴鄂效应"——城市明星项目激活效应的差异化解读 "High Line Effect" and "Bilbao Effect": Comparative Interpretation of Renovation Effect by Signature Projects, 景观设计 Landscape Design, 2019, (4): 14-21

John Zacharias, Jie He. Hong Kong's urban planning experiment in enhancing pedestrian movement from underground space to the surface. Tunnelling and Underground Space Technology, 2018, 82: 1–8 (DOI: 10.1016/j.tust.2018.07.025; SCI: IF 3.942 (2018), WOS: 000449892400001)

何捷, 袁梦. 数字化时代背景下空间人文方法在景观史研究中的应用 Spatial Humanities in landscape history studies in the Digital Era. 风景园林 Landscape Architecture, 2017, (11): 16-22 (DOI: 10.14085/j.fjyl.2017.00.0000.07)

何捷, 丁垚. 纸牌游戏中的遗产教育——美国"遗产资源保护扑克"案例研究 Cultural heritage awareness through playing card games: introduction of the Heritage Resource Preservation Playing Cards of United States. 建筑遗产 Heritage Architecture, 2016, 1(4): 108-115

Jie He, John Zacharias, Jia Geng, Yanan Liu, Yushan Huang, Wenhui Ma. Underground pedestrian network for urban commercial development in Tsim Sha Tsui of Hong Kong. Procedia Engineering, 2016, 165: 193-204 (DOI: 10.1016/j.proeng.2016.11.791; EI: Accession number: 16893807; CPCI: WOS: 000391640800022)

HE, J., LIU, J., XU, S., WU, C., ZHANG, J. 2015. A GIS-Based Cultural Heritage Study Framework on Continuous Scales: A Case Study on 19th Century Military Industrial Heritage. In: YEN, Y.-N., WENG, K.-H.. CHENG, H.-M. (eds.) International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences: Proceedings of the 25th International CIPA Symposium, Taipei: 31 August - 4 September, 2015, XL-5/W7, pp.215-222. (DOI: 10.5194/isprsarchives-XL-5-W7-215-2015) (http://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XL-5-W7/215/2015/; CPCI: WOS:000380437800031)

何捷. 地理设计视角下的视觉景观资源管理实践解读 Visual resource management from the perspective of geodesign. 风景园林 Landscape Architecture, 2015, (3): 18-23. (DOI: 10.14085/j.fjyl.2015.03.0018.04)

Guibo Sun, Bob Haining, Hui Lin, Nicolas Oreskovic, Jie He. Comparing the perception with the reality of walking in a hilly environment: an accessibility method applied to a university campus in Hong Kong. Geospatial Health, 2015, 10(1): 32-39 (DOI: 10.4081/gh.2015.340; SCI: IF1.194 (2014), WOS:000356615300006)

Major Recent Competitive Research Grants

Principle investigator, "Data mining and GIS platform for landscape recognition in frontier poetry of Quan Tangshi: a digital humanities approach 《全唐诗》边塞诗中景观认知的数字化信息挖掘和平台研究" (51978448). NSFC General Fund, Natural Science Foundation of

China 国家自然科学基金面上项目. 2020-2023

Principal investigator, "GIS for regional cultural heritages: Methodology Based on Case studies from katuns on the Mountains of Kuči in Montenegro and cultural route sites of Beijing-Tianjin-Heibei Area of China 地理信息系统应用于区域文化遗产的方法论研究：以黑山山区 katun 民居和中国京津冀文化线路遗址为例", Inter-Governmental S&T Cooperation Proposal (China-Montenegro) 中国—黑山科技例会交流项目 (黑山 3-6), Ministry of Science and Technology, PRC 中华人民共和国科学技术部, 2019-2020

Co-Investigator (2nd on the list), "Sensing Urban Space: Correlation Analysis between Spatial Variables and Psychological State for Visual Quality Assessment" (CUHK14606715). RGC General Research Fund, Hong Kong SAR Government. 2016-2018

Principle investigator, "Accessibility Model for Pedestrians in High Density Urban Built Environment Around Rail Transit Station 高密度城市建成环境下轨道交通站点周边步行可达性模型" (51478300). NSFC General Fund, Natural Science Foundation of China 国家自然科学基金面上项目. 2015-2018

Co-investigator (2nd on the list), "Developing a Multi-scale Integrated Platform to Mitigate the Urban Heat Island Effects from the Perspective of Urban Planning in PRD Region" (455110). RGC General Research Fund, Hong Kong. 2010-2012

Co-PI and project manager, "Setting Authenticity Assessment and Conservation Planning Support of Cultural Route Heritage Through GIS-based Spatial Analysis" (451609). RGC General Research Fund, Hong Kong SAR Government. 2009-2011