

# Yongjian Ke

ASSOCIATE PROFESSOR OF PROJECT MANAGEMENT · SCHOOL HIGHER DEGREE RESEARCH COORDINATOR

School of Built Environment, University of Technology Sydney, Australia

☎ +61-0414-934-835 | ✉ Yongjian.Ke@uts.edu.au | 🌐 yke.me | 📺 yongjianke | 📧 Yongjian Ke

*“Advancing sustainable infrastructure development through innovative project management”*

## Education

### Tsinghua University

Beijing, China

DOCTOR OF PHILOSOPHY (MANAGEMENT SCIENCE AND ENGINEERING)

Sep. 2005 - Jul. 2010

- Thesis: Equitable Risk Allocation for Public-Private Partnership Projects in China
- Supervisors: Prof ShouQing Wang and Prof Albert Chan (Hong Kong Polytechnic University)
- Outstanding PhD Dissertation Award, Outstanding PhD Graduate Award, several Outstanding Graduate Student Awards

### Tsinghua University

Beijing, China

BACHELOR OF ENGINEERING (PROJECT MANAGEMENT)

Sep. 2001 - Jul. 2005

- Thesis: Comparative Study of Financial Evaluation Methods for PPP/BOT Projects
- Supervisor: Prof ShouQing Wang

## Employment

### University of Technology Sydney

Sydney, Australia

ASSOCIATE PROFESSOR OF PROJECT MANAGEMENT

Jan. 2022 - Current

- School Responsible Academic Officer for Misconduct, Apr. 2024 - Current
- School Higher Degree Research Coordinator, Jan. 2024 - Current
- Member of University Academic Board, Jun. 2022 - Dec. 2022
- Member of DAB Faculty Board, Jan. 2022 - Dec. 2023
- School Short Forms of Learning Coordinator, Feb. 2021 - Current
- DAB Representative on Faculty Board in Business, Feb. 2021 - Current
- Member of Faculty New Product Committee, Feb. 2021 - Aug. 2022
- Research Associate, Australia-China Relations Institute, Jan. 2020 - Current
- Member of Faculty Curriculum Committee, Jul. 2019 - Dec. 2022
- Member of Faculty Teaching and Learning Quality Committee, Jul. 2019 - Dec. 2022

### University of Technology Sydney

Sydney, Australia

SENIOR LECTURER IN PROJECT MANAGEMENT

Sep. 2016 - Dec. 2021

- School Short Forms of Learning Coordinator, Feb. 2021 - Current
- DAB Representative on Faculty Board in Business, Feb. 2021 - Current
- Member of Faculty New Product Committee, Feb. 2021 - Aug. 2022
- Research Associate, Australia-China Relations Institute, Jan. 2020 - Current
- Director of Postgraduate Project Management Programs, Jul. 2019 - Dec. 2020
- Member of Faculty Curriculum Committee, Jul. 2019 - Dec. 2022
- Member of Faculty Teaching and Learning Quality Committee, Jul. 2019 - Dec. 2022
- Associate Director of Postgraduate Project Management Programs, Jul. 2017 - Jun. 2019
- Member of Faculty Student Assessment Review Committee, Jan. 2017 - Jun. 2018

### University of Newcastle

Newcastle, Australia

LECTURER IN CONSTRUCTION MANAGEMENT

Jun. 2013 - Aug. 2016

- Member of School International and Development Working Group, Jan. 2015 - Aug. 2016
- School Student Academic Conduct Officer, Jan. 2015 - Aug. 2016

### National University of Singapore

Singapore

RESEARCH FELLOW

Jul. 2010 - May 2013

- Managed an international joint research project funded by Singapore's Ministry of Education
- Travelled to Beijing, Hong Kong, and Sydney to collect data

### Hong Kong Polytechnic University

Hong Kong, China

RESEARCH ASSISTANT

Mar. 2007 - Jun. 2008

- Funded by a Mainland and Hong Kong Joint Supervision Scheme
- Successfully helped supervisors to secure a tier-one joint research grant based on my PhD study

## Honors & Awards

|      |  |            |
|------|--|------------|
| 2020 | <b>DAB Awards for Excellence - Publications</b> , University of Technology Sydney                      | Australia  |
| 2020 | <b>Outstanding Contribution Award</b> , 7th Infrastructure Research and Innovation Competition         | China      |
| 2016 | <b>Outstanding Contribution in Reviewing</b> , International Journal of Project Management             | Elsevier   |
| 2015 | <b>Best Paper Award</b> , CIB Conference - Going North for Sustainability                              | London, UK |
| 2015 | <b>Outstanding Reviewer Award</b> , Built Environment Project and Asset Management                     | Emerald    |
| 2014 | <b>Highly Commended Paper Award</b> , Journal of Financial Management of Property and Construction     | Emerald    |
| 2014 | <b>Outstanding Contribution in Reviewing</b> , Utilities Policy  | Elsevier   |
| 2010 | <b>Highly Commended Award</b> , Emerald/EFMD Outstanding Doctoral Research                             | Emerald    |
| 2010 | <b>Outstanding PhD Dissertation Award</b> , GuanKe Foundation of Construction Economics and Management | China      |
| 2010 | <b>Third Prize</b> , 2nd National Public Private Partnership Paper Competition                         | China      |
| 2010 | <b>Outstanding PhD Dissertation Award</b> , Tsinghua University  | China      |
| 2010 | <b>Outstanding PhD Graduate Award</b> , Tsinghua University  | China      |
| 2010 | <b>Pinsent Masons Outstanding Research Award</b> , Tsinghua University                                 | China      |
| 2010 | <b>Outstanding Young Researcher Award</b> , Tsinghua University  | China      |
| 2009 | <b>National Excellent Paper</b> , Architectural Society of China                                       | China      |
| 2009 | <b>Outstanding Young Researcher Award</b> , Tsinghua University  | China      |
| 2009 | <b>Outstanding Teaching Assistant Award</b> , Tsinghua University                                      | China      |
| 2009 | <b>Outstanding Graduate Student Award</b> , Tsinghua University  | China      |
| 2008 | <b>Outstanding Graduate Student Award</b> , Tsinghua University  | China      |
| 2006 | <b>Outstanding Graduate Student Award</b> , Tsinghua University  | China      |

## Grants

|      |  |             |
|------|--|-------------|
| 2024 | <b>DAB Research Support Scheme</b> , University of Technology Sydney                       | AUD 3,000   |
| 2024 | <b>PMI Sponsored Research Grant</b> , Project Management Institute                         | USD 50,000  |
| 2023 | <b>General Research Grant</b> , Zhejiang Provincial Philosophy and Social Science Planning | CNY 30,000  |
| 2023 | <b>General Research Grant</b> , National Social Science Fund of China                      | CNY 410,000 |
| 2022 | <b>General Research Grant</b> , National Social Science Fund of China                      | CNY 460,000 |
| 2022 | <b>High-End Foreign Expert Project</b> , Ministry of Science and Technology of China       | CNY 300,000 |
| 2021 | <b>UTS:ACRI Research Grants</b> , Australia China Relations Institute                      | AUD 5,000   |
| 2020 | <b>General Research Grant</b> , National Social Science Fund of China                      | CNY 500,000 |
| 2020 | <b>PGCS Academic Grant</b> , Project Governance and Controls Symposium                     | AUD 10,000  |
| 2020 | <b>PMI Sponsored Research Grant</b> , Project Management Institute                         | USD 50,000  |
| 2019 | <b>ARBE Research Grant</b> , University of Technology Sydney                               | AUD 2,500   |
| 2019 | <b>Western Research Grant</b> , National Social Science Fund of China                      | CNY 200,000 |
| 2019 | <b>DAB Research Outputs Support Scheme</b> , University of Technology Sydney               | AUD 2,500   |
| 2018 | <b>General Research Grant</b> , National Social Science Fund of China                      | CNY 200,000 |
| 2017 | <b>Learner Experience Design Grant</b> , University of Technology Sydney                   | AUD 2,000   |
| 2017 | <b>DAB Research Outputs Support Scheme</b> , University of Technology Sydney               | AUD 1,800   |
| 2017 | <b>Faculty Strategic Pilot Grant</b> , University of Newcastle                             | AUD 15,500  |
| 2016 | <b>DAB Conference Travel Grant</b> , University of Technology Sydney                       | AUD 2,500   |
| 2015 | <b>CIBER SABE Research Grant</b> , University of Newcastle                                 | AUD 2,500   |
| 2015 | <b>General Research Grant</b> , National Natural Science Foundation                        | CNY 600,000 |
| 2014 | <b>General Research Grant</b> , Beijing Infrastructure Investment Co., LTD                 | CNY 250,000 |
| 2014 | <b>Faculty Strategic Pilot Grant</b> , University of Newcastle                             | AUD 15,000  |
| 2014 | <b>New Staff Grant</b> , University of Newcastle   | AUD 10,000  |
| 2014 | <b>CIBER SABE Research Grant</b> , University of Newcastle                                 | AUD 5,000   |
| 2014 | <b>CIBER SABE Travel Grant</b> , University of Newcastle                                   | AUD 2,500   |
| 2013 | <b>CIBER SABE Travel Grant</b> , University of Newcastle                                   | AUD 2,500   |
| 2007 | <b>Joint Supervision Scheme</b> , Hong Kong Polytechnic University                         | HKD 120,000 |

## Certification

|      |   |                 |
|------|---|-----------------|
| 2018 | <b>Certified PPP Professional (CP<sup>3</sup>P) - Preparation</b> , APMG International / World Bank Group | #0424770101D34G |
| 2017 | <b>Certified PPP Professional (CP<sup>3</sup>P) - Foundation</b> , APMG International / World Bank Group  | #0236103601E2VG |

## Research Interests

|                              |  |
|------------------------------|--|
| <b>Project Delivery</b>      | Public-Private Partnership, Build-Operate-Transfer, Private Finance Initiative, Alliance, Partnering |
| <b>Project Management</b>    | Risk Allocation, Procurement, Network Governance, Relational Contracting, Psychological Contracts    |
| <b>Social Sustainability</b> | Social Licence for Infrastructure, Social Procurement, Social Value, Social Media Use                |
| <b>Infrastructures</b>       | Mega-projects, Transportation, Aged Care, Smart Cities, Social Infrastructures                       |

## Projects

### Teaching Projects

- **Ke, Y.**, Remington, K., *Designing a Collaborative Group Activity to Facilitate Mastery of Complex Concepts and Equip Students for Individual Assignments in 15327*, University of Technology Sydney, Learner Experience Design Grant, 2017, AUD 2,000

### Research Projects

- Ekanayake, B., Sankaran, S., **Ke, Y.**, Morgan, K. *Develop a Conceptual Framework for Assessing the Value of Information in the Era of AI*. University of Technology Sydney, DAB Research Support Scheme, 2024, AUD 3,000
- Wang, L., Müller, R., Karlsen, J.T., **Ke, Y.**, Klakegg, O.J., Yu, M. *Governing for ESG Performance in Mega-projects: An Inter-organizational Perspective*. Project Management Institute, PMI Sponsored Research Grant, 2024 - 2025, USD 50,000
- Wang, K., **Ke, Y.**, Liu, J., Meng, C., Hu, Z. *Evaluation, Problems and Countermeasures of Social Sustainability of Home and Community-based Aged Care in the Context of Common Prosperity*. Zhejiang Provincial Philosophy and Social Science Planning Project, 2023 - 2026, CNY 30,000
- Liu, Y., **Ke, Y.**, Hao, J., Zhang, N., Xu, S., Ge, Y., *Social License for Infrastructure (SLI): Dynamic Evolution, Resilience Evaluation and Sustainable Enhancement*, National Natural Science Foundation of China, General Research Grant, 2024 - 2027, CNY 410,000
- Ning, Y., Kwak, Y.H., **Ke, Y.**, Liu, H., Tao, S., Liu, Y. *Life-cycle Value Co-Creation in Infrastructure Projects: Goal, Behavior, and Governance*, National Natural Science Foundation of China, General Research Grant, 2023 - 2026, CNY 460,000
- Bai, L., **Ke, Y.**, Zhao, X., Wamba, S. F., Qiu, C. *Collaborative Management and Optimisation of Construction Project Portfolio under Dual-Carbon Goals*, Ministry of Science and Technology of China, High-End Foreign Expert Project, 2022 - 2023, CNY 300,000
- **Ke, Y.** *Public Perceptions of Chinese Investment in Australian Infrastructure: A Twitter Study*, Australia China Relations Institute, 2021 UTS:ACRI Research Grants scheme, 2021 - 2022, AUD 5,000
- Liu, Y., Xia, B., **Ke, Y.**, Cui, Y. *Social License to Operate of NIMBY Infrastructures: Theoretical Framework, Formative Mechanism and Dynamic Measurement*, National Natural Science Foundation of China, General Research Grant, 2021 - 2024, CNY 500,000
- **Ke, Y.**, Sankaran, S., Mathur, S., Tsang, I. *Social Media Use in Project Management - Multiple Case Studies of Transport Projects*, Project Governance and Controls Symposium, 2020 Academic Grant, 2020 - 2021, AUD 10,000
- Müller, R., **Ke, Y.**, Drouin, N., Zhu, F., Minelgaite, I. *Governance of Inter-organizational Project Networks*, Project Management Institute, PMI Sponsored Research Program Grant, 2020 - 2021, USD 50,000
- **Ke, Y.**, *Using Social Media Data to Evaluate Benefits from Urban Rail Projects in Australia*, University of Technology Sydney, ARBE Research Grant, 2019, AUD 2,500
- Lu, A., He, J., Yu, J., Xiong, H., **Ke, Y.**, et. al., *Big Data Based Multi-Dimensional Collaborative Governance of Competition in Internet Information Services Industry*, National Social Science Fund of China, Western Research Grant, 2019 - 2022, CNY 200,000
- Li, L., He, J., Fu, X., Lu, A., **Ke, Y.**, et. al., *Technology Development for Chinese Enterprises Backward in the Advanced Manufacturing Industry*, National Social Science Fund of China, General Research Grant, 2018 - 2021, CNY 200,000
- Jefferies, M., Davis, P.R., **Ke, Y.**, *Investigating the Psychological Contract in Construction Procurement in order to Validate a Conceptual Model*, University of Newcastle, Faculty Strategic Pilot Grant, 2017, AUD 15,500
- **Ke, Y.**, *Identification of Unethical Behaviours in Public-Private Partnership Projects*, University of Newcastle, CIBER SABE Research Grant, 2015, AUD 2,500
- Xu, Y., Xia, B., **Ke, Y.**, et al., *Developing a Pricing, Optimization and Adjustment Model for Waste Disposal Fee of PPP Waste-to-Energy Projects*, National Natural Science Foundation of China, General Research Grant, 2015 - 2018, CNY 600,000
- **Ke, Y.**, Hao, W., Wang, Y., *Investment of Social Capital in PPP Urban Rail Transportation Projects in China*, Beijing Infrastructure Investment Co., LTD, China, Non-competitive Research Grant, 2014 - 2015, CNY 250,000
- Davis, P.R., Jefferies, M., **Ke, Y.**, *Investigating the Psychological Contract in Construction Procurement in order to Develop a Conceptual Model*, University of Newcastle, Faculty Strategic Pilot Grant, 2014, AUD 15,000
- **Ke, Y.**, *Governing Public Construction Projects through Relational Contracting Principles*, University of Newcastle, New Staff Grant, 2014, AUD 10,000
- **Ke, Y.**, Gajendran, T., *Contextualising the Relationship Behaviour in the Competitive and Non-Competitive Alliances in Australia*, University of Newcastle, CIBER SABE Research Grant, 2014, AUD 5,000
- Ling, F.Y.Y., Teo, A., **Ke, Y.**, Ning, Y., *Boosting Public Sector Construction Project Outcomes by Improving Relational Transactions*, Singapore's Ministry of Education, 2010 - 2013, SGD 295,500
- Wang, S., **Ke, Y.**, et al., *Developing an Equitable Risk Sharing Mechanism for PPP Projects in China*, NSFC/RGC Joint Research Scheme, 2008 - 2010, CNY 300,000
- Chan, A.P.C., Lam, P.T.I., Chan, D.W.M., Cheung, E., **Ke, Y.**, *Application of Public-Private Partnership in Urban Rail-Based Transportation Projects*, Asia Development Bank Technical Assistance Project, 2007 - 2008, USD 500,000
- Wang, S., **Ke, Y.**, et al., *Improved Financial Evaluation Method Incorporating Risk Analysis for PPP/BOT Projects*, National Natural Science Foundation of China, General Research Grant, 2005 - 2007, CNY 150,000
- Wang, S., **Ke, Y.**, et al., *EU-Asia Network of Competence Enhancement on PPPs in Infrastructure Development*, Asia-Link Programme in the Europe Union, 2004 - 2007, EUR 45,000

## Books

- Clegg, S. R., **Ke, Y.**, Devkar, G., Mangione, V., & Sankaran, S. (in press). *Handbook on Public-Private Partnerships in International Infrastructure Development: A Critical Perspective*. Edward Elgar Publishing.
- Ke, Y.**, Zhang, J., & Philbin, S.P. (2023). *Tradition and Innovation in Construction Project Management*. MDPI Books.
- Ke, Y.**, & Ye, J. (2018). *Public-Private Partnerships in Australia*. Tsinghua University Press. (Chinese)
- Ke, Y.**, & Wang, S. Q. (2011). *Public-Private Partnership: Risk Allocation and Management*. Tsinghua University Press. (Chinese)
- Wang, S. Q., & **Ke, Y.** (2008). *Concession Project Financing (BOT/PFI/PPP)*. Tsinghua University Press. (Chinese)

## Book Chapters

- Ke, Y.**, & Wang, K. (in press). An overview of PPPs in Australia. In S. R. Clegg, **Y. Ke**, G. Devkar, V. Mangione, & S. Sankaran (Eds.), *Handbook on Public-Private Partnerships in International Infrastructure Development: A Critical Perspective*. Edward Elgar Publishing.
- Wang, K., & **Ke, Y.** (in press). A less successful Australian case: The Northern Beaches Hospital in Sydney. In S. R. Clegg, **Y. Ke**, G. Devkar, V. Mangione, & S. Sankaran (Eds.), *Handbook on Public-Private Partnerships in International Infrastructure Development: A Critical Perspective*. Edward Elgar Publishing.
- Clegg, S. R., **Ke, Y.**, Devkar, G., Mangione, V., & Sankaran, S. (in press). Introduction: Handbook on Public-Private Partnerships in International Infrastructure Development. In S. R. Clegg, **Y. Ke**, G. Devkar, V. Mangione, & S. Sankaran (Eds.), *Handbook on Public-Private Partnerships in International Infrastructure Development: A Critical Perspective*. Edward Elgar Publishing.
- Feng, K., **Ke, Y.**, & Qi, X. (2023). Risk Management in Public-Private Partnerships. In Y. Yang & S. Q. Wang (Eds.), *Public-Private Partnership Theory and Practice* (pp. 82-113). China Science Publishing & Media.
- Ninan, J., **Ke, Y.**, Sankaran, S., Mathur, S., Vuorinen, L., & Devkar, G. (2022). Social Media for Improving Metro Rail Project Operations. In J. Ninan (Ed.), *Social Media for Project Management* (pp. 104-120). CRC Press.
- Xie, J., Wang, S. Q., Jefferies, M., & **Ke, Y.** (2016). Public-Private Partnerships (PPPs) in China: the Past, Present and Future. In M. Jefferies & S. Rowlinson (Eds.), *New Forms of Procurement: PPP and Relational Contracting in the 21st Century* (pp. 216-234). Routledge.
- Ke, Y.**, & Wang, S. Q. (2015). Public Private Partnership Development in China. In A. Akintoye, M. Beck, & M. M. Kumaraswamy (Eds.), *Public Private Partnerships: A Global Review* (pp. 74-88). Routledge.
- Ke, Y.** (2014). Project Financing. In J. Liu (Ed.), *Construction Management Research Fronts and Trends* (pp. 48-68). China City Press. (Chinese)
- Wang, S. Q., **Ke, Y.**, & Xie, J. (2012). Public-Private Partnership Implementation in China. In G. M. Winch, M. Onishi, & S. Schmidt (Eds.), *Taking Stock of PPP and PFI Around the World* (pp. 29-36). Certified Accountants Educational Trust.
- Wang, S. Q., & **Ke, Y.** (2009). Laibin B Power Project: The First State Approved BOT Project in China. In H. W. Alfen (Ed.), *Public Private Partnerships in Infrastructure Development - Case Studies from Asia and Europe* (pp. 101-129). Bauhaus-Universität Weimar.

## Journal Papers

- Wang, K., & **Ke, Y.** (in press). Towards Sustainable Development: Assessing Social Sustainability of Australian Aged Care System. *Sustainable Development*. <https://doi.org/10.1002/sd.3086>
- Bai, L., Lin, J., Zhang, L., Pan, T., **Ke, Y.**, & Zhou, X. (in press). Modeling for project portfolio synergy benefits measurement. *International Journal of Modelling and Simulation*. <https://doi.org/10.1080/02286203.2023.2238370>
- Müller, R., Alix-Séguin, C., Alonderienė, R., Bourgault, M., Chmieliauskas, A., Drouin, N., **Ke, Y.**, Wang, L., Pilkiene, M., Minelgaite, I., Šimkonis, S., Unterhitzberger, C., Vaagaasar, A.L., & Zhu, F. (in press). A (meta)governance framework for multi-level governance of inter-organizational project networks. *Production Planning & Control*. <https://doi.org/10.1080/09537287.2022.2146018>
- Wang, K., & **Ke, Y.** (2024). Social sustainability of communities: A systematic literature review. *Sustainable Production and Consumption*, 47, 585-597. <https://doi.org/10.1016/j.spc.2024.04.031>
- Wang, K., **Ke, Y.**, & Sankaran, S. (2024). The social pillar of sustainable development: measurement and current status of social sustainability of aged care projects in China. *Sustainable Development*, 32(1), 227-243. <https://doi.org/10.1002/sd.2654>
- Albornoz, V., **Ke, Y.**, & Millán, J. (2024). Public-private partnerships: pro-cyclical or counter-cyclical? An empirical study. *International Journal of Construction Management*, 24(1), 97-107. <https://doi.org/10.1080/15623599.2023.2245629>
- Laishram, B., Devkar, G., **Ke, Y.**, & Aziz, A. A. (2024). Guest editorial: Public private partnerships: past, present and future. *Built Environment Project and Asset Management*, 14(1), 1-3. <https://doi.org/10.1108/BEPAM-02-2024-207>
- Ke, Y.**, Cheng, Z., Zhang, J., & Liu, Y. (2024). Making sense of the definition of public-private partnerships. *Built Environment Project and Asset Management*, 14(1), 4-21. <https://doi.org/10.1108/BEPAM-01-2023-0009>
- Bao, W., Chen, Y., Cui, C., Xia, B., **Ke, Y.**, Skitmore, M., & Liu, Y. (2023). How to shape local public acceptance of Not-In-My-Backyard infrastructures? A social cognitive theory perspective. *Sustainability*, 15(22), 15835. <https://doi.org/10.3390/su152215835>
- Ma, L., Hu, Y., Zhu, L. & **Ke, Y.** (2023). Are public-private partnerships still an answer for social infrastructure? A systematic literature review. *Frontiers of Engineering Management*, 10(3), 467-482. <https://doi.org/10.1007/s42524-023-0249-1>
- Wang, K., **Ke, Y.**, & Sankaran, S. (2023). Social sustainability of aged care public-private partnership projects in China: critical practices and realisation paths. *Journal of Cleaner Production*, 422, 138644. <https://doi.org/10.1016/j.jclepro.2023.138644>
- Ke, Y.**, Zhang, J., & Philbin, S.P. (2023). Tradition and innovation in construction project management. *Buildings*, 13(6), 1537. <https://doi.org/10.3390/buildings13061537>
- Zhang, J., Chen, M., Ballesteros-Pérez, P., **Ke, Y.**, Gong, Z., & Ni, Q. (2023). A new framework to evaluate and optimize digital transformation policies in the construction industry: a China case study. *Journal of Building Engineering*, 70, 106388. <https://doi.org/10.1016/j.jobe.2023.106388>
- Sun, Q., Zhang, S., **Ke, Y.**, Ma, X., & Galvin, S. (2023). Comparative analysis on the PPP research in Chinese and international journals: a bibliometric perspective. *International Journal of Construction Management*. 23(2), 307-318. <https://doi.org/10.1080/15623599.2020.1866431>
- Unterhitzberger, C., Müller, R., Vaagaasar, A.L., **Ke, Y.**, Alonderiene, R., Minelgaite, I., Pilkiene, M., Wang, L., Drouin, N., Chmieliauskas, A., Šimkonis, S., & Mongeon, M. (2023). A multi-level governance model for inter-organizational project networks. *Project Management Journal*, 54(1), 88-105. <https://doi.org/10.1177/87569728221131254>

- Zhang, J., Zhu, Z., Liu, H., Zuo, J., **Ke, Y.**, Philbin, S.P., Zhou, Z., Feng, Y. & Ni, Q. (2023). System framework for digital monitoring of the construction of asphalt concrete pavement based on IoT, Beidou navigation system and 5G technology. *Buildings*, 13(2), 503. <https://doi.org/10.3390/buildings13020503>
- He, X., Xu, M., Cui, C., Xia, B., **Ke, Y.**, Skitmore, M. & Liu, Y. (2023) Evaluating the social license to operate of waste-to-energy incineration projects: a case study from the Yangtze River Delta of China. *Journal of Cleaner Production*, 388, 135966. <https://doi.org/10.1016/j.jclepro.2023.135966>
- Xu, M., Liu, Y., Cui, C., Xia, B., **Ke, Y.**, & Skitmore, M. (2023). Social acceptance of NIMBY facilities: a comparative study between public acceptance and the social license to operate analytical frameworks. *Land Use Policy*, 124, 106453. <https://doi.org/10.1016/j.landusepol.2022.106453>
- Zhang, J., Peng, X., Ouyang, Y., Ballesteros-Pérez, P., **Ke, Y.**, Lu, Q., Li, H., & Skitmore, M. (2022). Environmental life cycle impact assessment of transportation infrastructure: a multi-case study in international perspective. *International Journal of Sustainable Transportation*. 16(11), 1020-1031. <https://doi.org/10.1080/15568318.2021.1959684>
- Li, H., Han, Z., Zhang, J., Philbin, S. P., Liu, D., & **Ke, Y.** (2022). Systematic identification of the influencing factors for the digital transformation of the construction industry based on LDA-DEMATEL-ANP. *Buildings*, 12(9), 1409. <https://doi.org/10.3390/buildings12091409>
- Chen, S., Zhang, J., Skitmore, M., Ballesteros-Pérez, P., **Ke, Y.**, Zuo, J., & Sun, H. (2022). Data-driven platform framework for digital whole-process expressway construction management. *Frontiers in Neuroscience*, 16, 891772. <https://doi.org/10.3389/fnins.2022.891772>
- Li, X., Yuan, J., Liu, X., **Ke, Y.**, & Jia, S. (2022). Identifying critical influencing factors of the value creation of urban rail transit PPPs projects in China. *Buildings*, 12(8), 1080. <https://doi.org/10.3390/buildings12081080>
- Wang, K., **Ke, Y.**, Liu, T., & Sankaran, S. (2022). Social sustainability in public-private partnership projects: case study of the Northern Beaches Hospital in Sydney. *Engineering, Construction and Architectural Management*, 29(6), 2437-2460. <https://doi.org/10.1108/ECAM-10-2020-0835>
- Zhou, Q., Xu, M., Liu, Y., Cui, C., Xia, B., **Ke, Y.**, & Skitmore, M. (2022). Exploring the effects of spatial distance on public perception of waste-to-energy incineration projects. *Waste Management*, 143, 168-176. <https://doi.org/10.1016/j.wasman.2022.02.033>
- Ge, Y., Cui, C., Zhang, C., **Ke, Y.**, & Liu, Y. (2021). Testing a social-psychological model of public acceptance towards highway infrastructure projects: a case study from China. *Engineering, Construction and Architectural Management*, 28(9), 2772-2787. <https://doi.org/10.1108/ECAM-03-2020-0183>
- Wang, K., **Ke, Y.**, Sankaran, S., & Xia, B. (2021). Problems in the home and community-based long-term care for the elderly in China: a content analysis of news coverage. *International Journal of Health Planning and Management*, 36(5), 1727-1741. <https://doi.org/10.1002/hpm.3255>
- Zhang, J., Jin, W., Yang, G., Li, H., **Ke, Y.**, & Philbin, S. P. (2021). Optimizing regional allocation of CO2 emissions considering output under overall efficiency. *Socio-Economic Planning Sciences*, 77, 101012. <https://doi.org/10.1016/j.seps.2021.101012>
- Mathur, S., Ninan, J., Vuorinen, L., **Ke, Y.**, & Sankaran, S. (2021). An exploratory study of the use of social media to assess benefits realization in transport infrastructure projects. *Project Leadership and Society*, 2, 100010. <https://doi.org/10.1016/j.plas.2021.100010>
- Mwelu, N., Davis, P., **Ke, Y.**, Watundu, S., & Jefferies, M. (2021). Success factors for implementing Uganda's public road construction projects. *International Journal of Construction Management*, 21(6), 598-614. <https://doi.org/10.1080/15623599.2019.1573481>
- Cheng, Z., **Ke, Y.**, Yang, Z., Cai, J., & Wang, H. (2020). Diversification or convergence: an international comparison of PPP policy and management between the UK, India, and China. *Engineering, Construction and Architectural Management*, 27(6), 1315-1335. <https://doi.org/10.1108/ECAM-06-2019-0290>
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## Conference Papers

- **Ke, Y.**, Tang, L., & Zhai, C. (2022). *Do Australians dislike Chinese investment in Australian infrastructure sector?* Paper presented at the AUBEA 2022, Sydney, Australia.
- Wang, L., Müller, R., Chmieliauskas, A., Alonderienė, R., Drouin, N., **Ke, Y.**, Minelgaite, I., Mongeon, M., Pilkienė, M., Šimkonis, S., Unterhitzberger, C., Vaagaasar, A. L., & Zhu, F. (2022). *Balancing hierarchy and network: governance of inter-organizational networks for projects*. Paper presented at the EURAM 2022, Winterthur, Switzerland.
- Devkar, G., Sankaran, S., **Ke, Y.**, Ninan, J., Mathur, S., Tsang, I., & Vuorinen, L. (2021). *Data analytics to evaluate public value from megaprojects*. Paper presented at the 6th PMI Research and Academic Virtual Conference 2021, India.
- **Ke, Y.**, Cheng, Z., & Liu, L. (2019). *Defining public-private partnership from the Wittgenstein family-resemblance philosophy*. Paper presented at the CIB World Building Congress 2019 - Constructing Smart Cities, Hong Kong, China.
- Zhang, B., Wang, S. Q., **Ke, Y.**, & Feng, K. (2019). *Drivers of private sector participation in PPP: impact of contract characteristics in China*. Paper presented at the CIB World Building Congress 2019 - Constructing Smart Cities, Hong Kong, China.
- Sankaran, S., **Ke, Y.**, Mangioni, V., & Devkar, G. (2019). *Responsible leadership of public private partnerships (PPP) adopted in infrastructure projects*. Paper presented at the 5th PMI India Research & Academic Conference 2019, IIMK, Kozhikode, India.
- Xu, X., Sankaran, S., **Ke, Y.**, & Liu, J. (2018). *Opportunism forms of public-private partnership projects in China: principal-agent relationship perspective*. Paper presented at the IRNOP 2018, Melbourne, Australia.
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- Xu, X., Sankaran, S., & **Ke, Y.** (2018). *An investigation of the relationship between opportunism and innovation during the build phase in PPP projects*. Paper presented at the EURAM 2018, Reykjavik, Iceland.
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- Devkar, G., Sankaran, S., & **Ke, Y.** (2017). *Evaluation of PPP projects in Australia and India: an information asymmetry perspective*. Paper presented at the PMI India Research and Academic Conference 2017, IIT Delhi, India.
- **Ke, Y.**, Jefferies, M., & Davis, P. (2016). *A comparison of public private partnership environment between Australia and China*. Paper presented at the CRIOCM 2016 21st International Conference on Advancement of Construction Management and Real Estate, University of Hong Kong, Hong Kong, China.
- Ling, F. Y. Y., **Ke, Y.**, & Ning, Y. (2015). *Motivating and hindering factors to adopt relational norms in public projects: a comparative study of Australia and Singapore*. Paper presented at the 2015 RICS COBRA AUBEA, Sydney, Australia.
- **Ke, Y.**, Gajendran, T., & Davis, P. R. (2015). *Relational contracting in the construction industry: mapping practice to theory*. Paper presented at the 2015 Architectural Engineering Institute Conference, Milwaukee, Wisconsin, USA.
- Jin, X., Zhang, G., **Ke, Y.**, & Xia, B. (2015). *Factors influencing transaction costs in construction projects: a critical review*. Paper presented at the 2015 20th International Symposium on Advancement of Construction Management and Real Estate (CRIOCM), Hangzhou, Zhejiang, China.

- Jefferies, M., Davis, P. R., & **Ke, Y.** (2015). *An investigation of psychological contracts in construction procurement*. Paper presented at the CIB W055, W065, W089, W092, W096, W102, W107, W112, W117, TG72, TG81, TG83 - Going North for Sustainability: Leveraging knowledge and innovation for sustainable construction and development, London, UK.
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- Jefferies, M., Rowlinson, S., Kumaraswamy, M. M., & **Ke, Y.** (2014). *Using public private partnerships (PPPs) for the procurement of public hospitals*. Paper presented at the CIB W055, W065, W089, W118, TG76, TG78, TG81 - Construction in a Changing World, Heritance Kandalama, Sri Lanka.
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- **Ke, Y.**, Ling, F. Y. Y., Zou, P. X. W., Wang, S. Q., & Kumaraswamy, M. M. (2012). *Positive and negative factors influencing the implementation of relational contracting in public construction projects in Australia*. Paper presented at the CIB W055, W065, W089, W118, TG76, TG78, TG81, TG84 - Management of Construction: Research to Practice, Montreal, Canada.
- Ling, F. Y. Y., Chua, M. H., & **Ke, Y.** (2011). *Diversity management: managing migrant construction workers on construction sites in Singapore*. Paper presented at the CIB W055, W065, W089, W118, TG76, TG78, TG81 - Management and Innovation for a Sustainable Built Environment, Amsterdam, The Netherlands.
- **Ke, Y.**, Ling, F. Y. Y., Kumaraswamy, M. M., Wang, S. Q., Zou, P. X. W., & Ning, Y. (2011). *Are relational contracting principles applicable to public construction projects?* Paper presented at the 2011 RICS COBRA, Salford, UK.
- **Ke, Y.**, Wang, S. Q., & Chan, A. P. C. (2011). *Equitable risk allocation in Chinese public-private partnership power projects*. Paper presented at the 1st International Conference on Sustainable Construction & Risk Management, Chongqing, China.
- Chan, A. P. C., Lam, P. T. I., Chan, D. W. M., Cheung, E., Wen, Y., & **Ke, Y.** (2010). *A comparative analysis of critical risk factors for China's PPP projects*. Paper presented at the 2010 CIB World Building Congress, The Lowry, Salford Quays, UK.
- **Ke, Y.**, Wang, S. Q., & Chan, A. P. C. (2009). *Risk allocation and management of PPP infrastructure projects*. Paper presented at the 8th China - International Construction Project Management Summit Meeting, Jinan, China.
- **Ke, Y.**, Wang, S. Q., & Chan, A. P. C. (2009). *Public-private partnerships in China's infrastructure development: lessons learnt*. Paper presented at the CIB W096, W104, TG53 - Changing roles: new roles, new challenges, Noordwijk aan Zee, The Netherlands.
- Chan, A. P. C., Lam, P. T. I., Chan, D. W. M., Cheung, E., & **Ke, Y.** (2009). *Privileges and attractions for private sector involvement in PPP projects - a comparison between China and the Hong Kong Special Administrative Region*. Paper presented at the Fifth International Structural Engineering and Construction Conference, Las Vegas, Nevada, USA.
- Wang, S. Q., & **Ke, Y.** (2008). *Risk management of infrastructure projects in China with case study of the National Stadium*. Paper presented at the Inaugural Conference on Construction Law and Economics Circle in Asia and Pacific, Kyoto, Japan.
- **Ke, Y.**, Wang, S. Q., Chan, A. P. C., & Li, Z. (2008). *Changes of political risks in China's PPP projects*. Paper presented at the 6th National Civil Engineering Forum for Graduate Students, Beijing, China.
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## Thesis

- **Ke, Y.** (2010). *Equitable Risk Allocation for Public-Private Partnership Projects in China*. (PhD), Tsinghua University, Beijing, China.
- **Ke, Y.** (2005). *Comparative Study of Financial Evaluation Methods for PPP/BOT Projects*. (Bachelor), Tsinghua University, Beijing, China.

## Monographs/Working Papers

- **Ke, Y.**, Zhang, L., & Zhou, B. (2018). *A Cross-Country Comparison of Public-Private Partnerships Environment and Applications*. Shanghai, China: Jumbo Consulting. (Chinese)
- **Ke, Y.** (2018). What is a True Public-Private Partnership Project? *Reference for PPP Decision Making*, 26, 19. (Chinese)
- **Ke, Y.** (2018). Public-Private Partnerships in Australia: Regulatory Framework. *Reference for PPP Decision Making*, 310, 921. (Chinese)
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## Google Scholar Metrics

Updated: 31 May 2024

- Overall: number of citations is 7104; h-index is 35; i10-index is 70
- Since 2019: number of citations is 3941; h-index is 26; i10-index is 60

## SciVal Author Metrics - Built Environment

Updated: 21 May 2024

- Field-Weighted Citation Impact is 1.84, meaning 84% more cited than expected according to the world average
- 76.9% publications co-authored with researchers in other countries/regions
- 30.8% publications in top 10% most cited worldwide
- 63.6% publications in top 10% journals

## Highly Cited Individual Papers

- *Evaluation of Sustainable Transport Research in 2000-2019* was an ESI Highly Cited Paper (accessed on 12 September 2021)
- *Critical Review on PPP Research - A Search from the Chinese and International Journals* was ranked 5th of 25 most cited papers published since 2016 (accessed on 09 August 2019) in the International Journal of Project Management
- *Understanding the Risks in China's PPP Projects: Ranking of Their Probability and Consequence* was ranked 2nd of 10 most cited papers published in the last three years (accessed on 9 July 2018) in the Engineering, Construction and Architectural Management
- *Preferred Risk Allocation in China's Public-Private Partnership Projects* was ranked 18th of 25 most cited papers published since 2008 (accessed on 4 December 2013), 5th of 25 published since 2009 (accessed on 17 December 2014), and 3rd of 25 published since 2010 (accessed on 22 September 2015) in the International Journal of Project Management
- *Critical Success Factors for PPPs in Infrastructure Developments: Chinese Perspective* was ranked 6th of 20 most cited papers (accessed on 19 May 2015), 7th of 10 most cited articles from the past three years (accessed on 28 April 2017), and 8th of 10 most cited articles from the past three years (accessed on 8 August 2019) in the ASCE Journal of Construction Engineering and Management
- *Empirical Study of Risk Assessment and Allocation of Public-Private Partnership Projects in China* was ranked 2nd of 20 most cited papers (accessed on 19 April 2016), 3rd of 10 most cited articles from the past three years (accessed on 28 April 2017), 2nd of 10 most cited articles from the past three years (accessed on 8 August 2019), and 5th of 10 most cited articles from the past three years (accessed on 02 December 2020) in the ASCE Journal of Management in Engineering
- *Potential Obstacles to Successful Implementation of Public-Private Partnerships in Beijing and the Hong Kong Special Administrative Region* was ranked 18th of 20 most cited papers (accessed on 04 March 2016) in the ASCE Journal of Management in Engineering
- *Risk Allocation in Public-Private Partnership Infrastructure Projects: Comparative Study* was ranked 11th of 20 most cited papers (accessed on 03 December 2014), and 9th of 10 most cited articles from the past three years (accessed on 02 December 2020) in the ASCE Journal of Infrastructure Systems
- *Developing a Risk Assessment Model for PPP Projects in China - A Fuzzy Synthetic Evaluation Approach* was ranked 22nd of 25 most cited papers published since 2010 (accessed on 29 October 2015) in the Automation in Construction
- *Public Construction Project Delivery Process in Singapore, Beijing, Hong Kong and Sydney* is the 2014 Highly Commended Paper in the Journal of Financial Management of Property and Construction
- *An Investigation of Psychological Contracts in Construction Procurement* is the Best Paper in the 2015 CIB Conference Going North for Sustainability

## Mentioned by Journal Papers

- A Stanford University study, *Updated science-wide author databases of standardized citation indicators* in PLoS Biology in 2023: I was ranked among the top 2% scientists of building & construction discipline in the single year of 2022
- *Review of risk management studies in public-private partnerships: a scientometric analysis* in the International Journal of Construction Management in 2023: I was 3rd most collaborative researcher; two papers were in the top 10 high-impact articles, i.e. #3 and #8
- *Research trends, themes and gaps of public private partnership in water sector: a two decade review* in Urban Water Journal in 2022: one paper was #11 most cited paper of PPP in water sector
- *A Bibliometric and Meta-analysis of Studies on Public-Private Partnership in China* in Construction Management and Economics in 2021: five papers were in the top 10 most cited papers, i.e. #1, #2, #5, #6 and #8
- A Stanford University study, *Updated science-wide author databases of standardized citation indicators* in PLoS Biology in 2020: I was ranked among the top 2% scientists of building & construction discipline in the single year of 2019
- *Systematic Analysis of PPP Research in Construction Journals: from 2009 to 2019* in Engineering, Construction and Architectural Management in 2020: five papers were in the top 10 most cited papers, i.e. #1, #4, #5, #7 and #8
- *Comprehensive Metrological and Content Analysis of the Public-Private Partnerships (PPPs) Research Field: a New Bibliometric Journey* in Scientometrics in 2020: I was top 7th influential author; four papers were in the top 20 local cited papers including #4, #6, #7 and #11
- *A Holistic Review of Public-Private Partnership Literature Published between 2008 and 2018* in Advances in Civil Engineering in 2019: I was ranked 2nd most cited author; five papers were in the list of most cited articles including #1, #2, #5, #7 and #10
- *Cluster Analysis of the Intellectual Structure of PPP Research* in Journal of Management in Engineering in 2019: two papers were in the list of most cited papers including #14 and #16
- *Bibliometric Analysis of PPP and PFI Literature: Overview of 25 Years of Research* in Journal of Construction Engineering and Management in 2016: one paper was ranked #9 most cited
- *A Review of Emerging Trends in Global PPP Research: Analysis and Visualization* in Scientometrics in 2016: I was ranked 4th most productive author

## Mentioned by Policy Sources

- *Critical Success Factors for PPPs in Infrastructure Developments: Chinese Perspective* was cited by the Publications Office of the European Union on 04 May 2021
- *Developing a risk assessment model for PPP projects in China - A fuzzy synthetic evaluation approach* was cited by the Inter-American Development Bank on 01 May 2021
- *Spatio-temporal dynamics of public private partnership projects in China* was cited by Asian Development Bank on 23 December 2020
- *A comparative study of critical success factors for public private partnerships (PPP) between Mainland China and the Hong Kong Special Administrative Region* was cited by the World Bank on 24 July 2020
- *Understanding the risks in China's PPP projects: ranking of their probability and consequence* was cited by Institut Français des relations internationales on 11 Dec 2013, the International Institute for Sustainable Development on 01 April 2015, and World Bank on 24 Jul 2020
- *Risk Allocation in Public-Private Partnership Infrastructure Projects: Comparative Study* was cited by Asian Development Bank on 31 May 2019
- *Preferred risk allocation in China's public-private partnership (PPP) projects* was cited by Asian Development Bank on 31 May 2019
- *Empirical Study of Risk Assessment and Allocation of Public-Private Partnership Projects in China* was cited by the International Institute for Sustainable Development on 01 April 2015, and Asian Development Bank on 07 May 2015
- *Risk Misallocation in Public-Private Partnership Projects in China* was cited by the International Institute for Sustainable Development on 01 April 2015
- *Public construction project delivery process in Singapore, Beijing, Hong Kong and Sydney* was cited by the Office of Technology Assessment at the German Bundestag (TAB) on 01 May 2013

## Invited Talks

- *How to Conduct a Literature Review Study*. Zhejiang University of Finance and Economics, China, March 2024. (Chinese)
- *How to Conduct a Literature Review Study*. Zhejiang Sci-Tech University, China, February 2024. (Chinese)
- *Social Media Use in Project Management – Several Examples*. Chang'an University, China, December 2022. (Online, Chinese)
- *Conventional and Unconventional Project Supervision for Infrastructures*. Zhejiang University of Finance and Economics, China, November 2022. (Online, Chinese)
- *Public-Private Partnerships – Introduction, Case Studies and Research*. Chang'an University, China, November 2022. (Online, Chinese)
- *Publishing in Project Management Journal*. Chongqing University, China, October 2022. (Online, Chinese)
- *Perceptions of Chinese Investment in Australian Infrastructure - A Twitter Study*. ACRI Research Workshop, Australia-China Relations Institute, Sydney, Australia, July 2022.
- *Public-Private Partnerships – Introduction and Case Studies*. Suzhou University of Science and Technology, China, May 2022. (Online, Chinese)
- *Whether PPPs are Applicable to the Health Industry - Case Study of the Northern Beaches Hospital in Sydney*. Suzhou University of Science and Technology, China, December 2021. (Online, Chinese)
- *Social Media Use in Project Management - An Exploratory Study of Multiple Transport Projects*. Project and Program Management Symposium 2021, Canberra, Australia, August 2021. (Online)
- *Unconventional Project Supervision: The Case of Sydney CBD and South East Light Rail Project*. Suzhou University of Science and Technology, China, December 2020. (Online, Chinese)
- *A Critical International Perspective on Value in Public-Private Partnerships*. 2020 China PPP 30 Forum, Shanghai University, Shanghai, China, November 2020. (Online, Chinese)
- *Areas for Collaborative Research in Public-Private Partnerships*. Chinese University Association of PPP Initiatives, Tsinghua University, Beijing, China, October 2020. (Online, Chinese)
- *Social Sustainability in Hospital Public-Private Partnerships: Case Study of the Northern Beaches Hospital in Sydney*. Beijing University of Civil Engineering and Architecture, Beijing, China, August 2020. (Online, Chinese)
- *Implementation and Lessons Learnt of Public-Private Partnerships in Australia*. Xi'an University of Architecture and Technology, Shaanxi, China, September 2019. (Chinese)
- *Unconventional Project Supervision: The Case of Sydney CBD and South East Light Rail Project*. Shanghai Urban Construction Group, Shanghai, China, September 2019. (Online, Chinese)
- *Qualitative Research of Public Private Partnerships*. Nanjing Forestry University, Nanjing, China, January 2019. (Chinese)
- *Implementation and Lessons Learnt of Public-Private Partnerships in Australia*. Ningbo University, Ningbo, China, January 2019. (Chinese)
- *Research Agenda for Public-Private Partnerships*. 2018 China PPP 30 Forum, Shanghai University, Shanghai, China, November 2018. (Chinese)
- *Implementation of Public-Private Partnerships in Australia*. Suzhou University of Science and Technology, China, November 2018. (Chinese)
- *Implementation and Lessons Learnt of Public-Private Partnerships in Australia*. Hefei University of Technology, Hefei, China, November 2018. (Chinese)
- *Implementation and Lessons Learnt of Public-Private Partnerships in Australia*. Jumbo Consulting, Shanghai, China, November 2018. (Chinese)
- *Implementation and Lessons Learnt of Public-Private Partnerships in Australia*. Chang'an University, Xi'an, China, November 2018. (Chinese)
- *Risk Management of Public-Private Partnerships in Australia*. Central University of Finance and Economics, Beijing, China, November 2018. (Chinese)
- *Implementation and Lessons Learnt of Public-Private Partnerships in Australia and Research Agenda*. Nanjing Forestry University, Nanjing, China, November 2018. (Chinese)
- *Implementation and Lessons Learnt of Public-Private Partnerships in Australia*. Southeast University, Nanjing, China, November 2018. (Chinese)
- *Implementation and Lessons Learnt of Public-Private Partnerships in Australia*. Shanghai University, Shanghai, China, November 2018. (Chinese)
- *Qualitative Research of Public Private Partnerships*. Zhejiang Sci-Tech University, Hangzhou, China, May 2018. (Chinese)
- *Defining Public-Private Partnership from the Wittgenstein Family-Resemblance Philosophy*. 3rd China Public-Private Partnership Summit, Dalian University of Technology, China, May 2018 (Keynote Speech, Chinese)
- *The Fever of Public Private Partnership in China*. University of Newcastle, Australia, March 2015.
- *Relational Practices in Public Projects*. University of Newcastle, Australia, November 2013.

- *Changing Environment for Public Private Partnership in China: Recommendations for International Investors*. Seminar on International Project Management, Singapore, April 2013.
- *Research Example - Equitable Risk Allocation for Public-Private Partnership Projects in China*. Seminar on Research Methodology, Nanyang Technological University, Singapore, January 2013.
- *Topic Selection, Research and Paper Writing in Management Science and Engineering*. Tsinghua University, Beijing, China, April 2010. (Chinese)
- *Risk Allocation and Management in China's PPP Projects*. Jumbo Consulting, Shanghai, China, May 2009. (Chinese)

## Supervision

### Current Group Members

- Mr Muhammad Umair Khan, University of Technology Sydney, PhD Student, May 2024 - Current, Research Training Program Fees Offset Scholarship, Co-supervisor: Dr Suhair Zaid Alkilani, *Designing a project performance measurement and accountability model in Transport for New South Wales Digital Systems Program: A Case Study*

### Former Group Members

- Dr Juanwen Liu, University of Technology Sydney, Co-supervised PhD Student, Jul. 2017 - May 2024, China Scholarship Council – UTS PhD Scholarship, Principal Supervisor: Prof Shankar Sankaran, *Value Co-creation for Public-Private Partnership (PPP) Projects in China: A Holistic Framework from Antecedents to Outcomes of Interaction*
- Dr Kun Wang, University of Technology Sydney, PhD Student, Feb. 2019 – Feb. 2023, International Research Training Program Scholarship, Co-supervisor: Prof Shankar Sankaran, *Social Sustainable Development of China's Aged Care Public-Private Partnership Projects*, Most Potential Award in the 7th Infrastructure Research and Innovation Competition in China, Currently a Lecturer, Ningbo University, China
- Dr Xiaohang Xu, University of Technology Sydney, Co-supervised PhD Student, Jul. 2016 – Nov. 2022, China Scholarship Council – UTS PhD Scholarship, Principal Supervisor: Prof Shankar Sankaran, *An Investigation of the Relationship between Opportunism and Innovation in Public-Private Partnership (PPP) Projects*
- Dr Noah Mwelu, University of Newcastle, Co-supervised PhD Student, May 2016 – Feb. 2020, International Research Training Program Scholarship, Principal Supervisor: Prof Peter Davis, *Compliance and Regulatory Framework in Public Procurement of Public Road Construction Projects in Uganda*, Currently a Senior Lecturer, Makerere University Business School, Kampala, Uganda
- Dr Zilong Zhang, Tsinghua University, China, Visited the University of Newcastle from Mar. to Aug. 2015

## Teaching

### University of Technology Sydney

Sydney, Australia

#### SUBJECT COORDINATOR & LECTURER, ON CAMPUS VIA INTENSIVE BLOCK MODE, POSTGRADUATE LEVEL

Sep. 2016 - Current

- 2024 Autumn, 15319 Project Risk, Procurement and Quality Management, 17 students
- 2024 Autumn, 15317 Advanced Project Risk Management, 11 students
- 2023 Spring, 15115 Advances in Project Management, 13 students
- 2023 Spring, 15362 Managing Project Contracts, 24 students
- 2023 Autumn, 15319 Project Risk, Procurement and Quality Management, 20 students
- 2023 Autumn, 15317 Advanced Project Risk Management, 12 students
- 2023 Autumn, 15310 Project Integration Management, 9 students
- 2022 Spring, 15319 Project Risk, Procurement and Quality Management (blended), 16 students
- 2022 Spring, 15115 Advances in Project Management (blended), 13 students
- 2022 Autumn, 15319 Project Risk, Procurement and Quality Management (blended), 16 students
- 2022 Autumn, 15317 Advanced Project Risk Management (blended), 11 students
- 2022 Autumn, 15327 Managing Project Complexity (blended), 16 students
- 2021 Spring, 15319 Project Risk, Procurement and Quality Management (online), 11 students
- 2021 Spring, 15115 Advances in Project Management (online), 31 students
- 2021 Autumn, 15317 Advanced Project Risk Management (blended), 21 students
- 2021 Autumn, 15319 Project Risk, Procurement and Quality Management (blended), 19 students
- 2021 Autumn, 15327 Managing Project Complexity (blended), 22 students
- 2020 Spring, 15115 Advances in Project Management (online due to COVID-19), 30 students
- 2020 Spring, 15319 Project Risk, Procurement and Quality Management (online), 28 students
- 2020 Autumn, 15317 Advanced Project Risk Management (online), 15 students
- 2020 Autumn, 15319 Project Risk, Procurement and Quality Management (online), 28 students
- 2020 Autumn, 15327 Managing Project Complexity (online), 26 students
- 2019 Spring, 15115 Advances in Project Management (subject I developed), 14 Students
- 2019 Spring, 15319 Project Risk, Procurement and Quality Management, 25 Students
- 2019 Autumn, 15317 Advanced Project Risk Management, 22 Students
- 2019 Autumn, 15319 Project Risk, Procurement and Quality Management, 30 Students
- 2019 Autumn, 15327 Managing Project Complexity, 39 Students
- 2018 Autumn, 15317 Advanced Project Risk Management, 21 Students
- 2018 Autumn, 15319 Project Risk, Procurement and Quality Management, 36 Students
- 2018 Autumn, 15327 Managing Project Complexity, 37 Students

- 2017 Spring, 15319 Project Risk, Procurement and Quality Management, 25 Students
- 2017 Autumn, 15317 Advanced Project Risk Management, 62 Students
- 2017 Autumn, 15319 Project Risk, Procurement and Quality Management, 35 Students
- 2017 Autumn, 15327 Managing Project Complexity, 57 Students
- 2017 Autumn, 15356 Project Performance Improvement (discontinued), 31 Students
- 2016 Spring, 15319 Project Risk, Procurement and Quality Management, 43 Students

## Chongqing University

GUEST LECTURER, ONLINE TEACHING MODE

- 2023/2024 S1, Four sessions on PPPs, Postgraduate Level, 45 Students
- 2021/2022 S1, Five sessions on PPPs, Postgraduate Level, 17 Students

Chongqing, China

Nov. 2021 - Nov. 2023

## Chang'an University

GUEST LECTURER, ON CAMPUS, BLENDED TEACHING AND INTENSIVE BLOCK MODE

- 2019/2020 S1, Introduction to Project Management, Postgraduate Level

Xi'an, China

Sep. 2019

## University of Newcastle

SUBJECT COORDINATOR & LECTURER, ONLINE & ON CAMPUS, BLENDED TEACHING MODE

- 2016 T2, ARBE6407 Project Closure, Postgraduate Level, 12 Students, Online Only
- 2016 S2, ARBE2309 Construction Procurement and Tendering, Undergraduate, 130 Students
- 2016 S2, ARBE4303 Facilities Management, Undergraduate Level, 313 Students
- 2016 S1, ARBE4303 Facilities Management, Undergraduate Level, BCA Singapore, 9 Students
- 2015 T2, ARBE6407 Project Closure, Postgraduate Level, 20 Students, Online Only
- 2015 S2, ARBE2309 Construction Procurement and Tendering, Undergraduate, 149 Students
- 2015 S2, ARBE3305 Infrastructure Development, Undergraduate Level, 161 Students
- 2015 S2, ARBE4303 Facilities Management, Undergraduate Level, 166 Students
- 2014 T2, ARBE6407 Project Closure, Postgraduate Level, 24 Students
- 2014 S2, ARBE3305 Infrastructure Development, Undergraduate Level, 158 Students
- 2014 S2, ARBE4303 Facilities Management, Undergraduate Level, 94 Students
- 2013 S2, ARBE3305 Infrastructure Development, Undergraduate Level, 138 Students
- 2013 S2, ARBE4303 Facilities Management, Undergraduate Level, 146 Students

Newcastle, Australia

Jun. 2013 - Aug. 2016

## National University of Singapore

TUTOR, ON CAMPUS, TRADITIONAL WEEKLY TEACHING MODE

- 2012/2013 S2, PF2108 Project Cost Management, Undergraduate Level, 140 Students
- 2011/2012 S2, PF2108 Project Cost Management, Undergraduate Level, 140 Students

Singapore

Jan. 2012 - May 2013

## Tsinghua University

TEACHING ASSISTANT, ON CAMPUS, TRADITIONAL WEEKLY TEACHING MODE

- 2008/2009 S2, Project Finance (BOT/PPP/PFI), Postgraduate Level, 30 Students
- 2008/2009 S1, Construction Estimating, Undergraduate Level, 120 Students
- 2006/2007 S1, Engineering Economy, Undergraduate Level, 120 Students

Beijing, China

Sep. 2006 - Jun. 2009

GUEST LECTURER, ONLINE TEACHING MODE

- 2021/2022 S1, Corporate and Project Finance, Two sessions on PPPs, Postgraduate Level, 17 Students

Oct. 2021

# Service

## Journal Editor/Editorial Board Member

- 2023 - Current, Editorial Board Member, Humanities and Social Sciences Communications
- 2023 - Current, Australian Editor, International Journal of Project Organisation and Management
- 2022 - Current, Editor, Buildings
- 2020 - Current, Department Editor, Project Management Journal

## Journal Guest Editor

- 2024 - 2025, Guest Editor, International Journal of Construction Management, Special Issue "Towards Efficient and Sustainable Construction Project Management: Leveraging AI and Disruptive Technologies"
- 2023 - 2024, Guest Editor, Buildings, Special Issue "Achieving Carbon Neutrality in Urban Infrastructure Development"
- 2023 - 2024, Guest Editor, Built Environment Project and Asset Management, Special Issue "Public Private Partnerships: Past, Present and Future"
- 2022 - 2023, Guest Editor, Buildings, Special Issue "Tradition and Innovation in Construction Project Management"

## Member of Editorial Advisory/Review Boards

- 2022 - Current, Special Corresponding Expert, Frontiers of Engineering Management
- 2017 - 2023, International Journal of Project Organisation and Management
- 2017 - Current, Built Environment Project and Asset Management

## **Regular/Ad Hoc Reviewer for International Journals**

- 2024 - Current, Public Management Review
- 2024 - Current, Healthcare Analytics
- 2024 - Current, Australian Journal of Public Administration
- 2023 - Current, Developments in the Built Environment
- 2023 - Current, Journal of Management Studies
- 2023 - Current, Journal of Global Operations and Strategic Sourcing
- 2021 - Current, Project Leadership & Society
- 2020 - Current, Complexity
- 2020 - Current, IEEE Transactions on Engineering Management
- 2020 - Current, International Journal of Health Planning and Management
- 2019 - Current, Frontiers in Built Environment
- 2019 - Current, International Journal of Procurement Management
- 2019 - Current, SAGE Open
- 2018 - Current, Research in Transportation Economics
- 2018 - Current, Advances in Civil Engineering
- 2018 - Current, Transportation Research Part A: Policy and Practice
- 2017 - Current, Sustainable Development
- 2017 - Current, Frontiers of Engineering Management
- 2017 - Current, Abacus
- 2017 - Current, International Journal of Strategic Property Management
- 2016 - Current, Science and Engineering Ethics
- 2016 - Current, Cogent Engineering
- 2016 - Current, Journal of Construction Engineering and Project Management
- 2016 - Current, Construction Economics and Building
- 2016 - Current, Journal of Professional Issues in Engineering Education and Practice
- 2015 - Current, Journal of Computing in Civil Engineering
- 2015 - Current, Automation in Construction
- 2015 - Current, CSID Journal of Infrastructure Development
- 2015 - Current, Mathematical Problems in Engineering
- 2014 - Current, Environment, Development and Sustainability
- 2014 - Current, International Journal of Project Organisation and Management
- 2014 - Current, International Journal of Public Sector Management
- 2014 - Current, International Journal of Technology, Policy and Management
- 2014 - Current, Project Management Journal
- 2014 - Current, Utilities Policy
- 2013 - Current, Construction Innovation: Information, Process, Management
- 2013 - Current, International Journal of Construction Management
- 2013 - Current, International Journal of Injury Control and Safety Promotion
- 2012 - Current, Journal of Natural Resources and Development
- 2012 - Current, Built Environment Project and Asset Management
- 2012 - Current, Cities (The International Journal of Urban Policy and Planning)
- 2012 - Current, Journal of Construction in Developing Countries
- 2012 - Current, Smart and Sustainable Built Environment
- 2011 - Current, Journal of Management in Engineering
- 2010 - Current, Chinese Management Studies
- 2010 - Current, Journal of Financial Management of Property and Construction
- 2010 - Current, Journal of Infrastructure Systems
- 2009 - Current, Journal of Construction Engineering and Management
- 2008 - Current, Construction Management and Economics
- 2008 - Current, Engineering, Construction and Architectural Management
- 2008 - Current, International Journal of Project Management

## **Member of Conference Advisory/Scientific/Organisation Committees**

- 2022, 45th AUBEA Conference, Sydney, Australia
- 2021, PPP Academic Webinar funded by ASSA, UTS, Australia
- 2021, PPP Industry Workshop funded by ASSA, UTS, Australia
- 2020, Asia-Pacific Project Studies (APPS) Conference 2020, Online
- 2019, 43rd AUBEA Conference, Noosa, Australia
- 2019, CIB World Building Congress, Hong Kong, China
- 2017, International Conference on Innovative Production and Construction, Perth, Australia
- 2015, International Conference on Building Resilience, Newcastle, Australia

## **Reviewer for International Conferences**

- 2022, 45th AUBEA Conference, Sydney, Australia
- 2022, CIB World Building Congress, Melbourne, Australia
- 2019, 43rd AUBEA Conference, Noosa, Australia
- 2019, CIB World Building Congress, Hong Kong, China
- 2017, Architectural Engineering Institute Conference, United States
- 2014, 2nd International Conference on Advances in Energy and Environmental Science, China
- 2014, 19th CRIOCM, China

## **Professional Service**

- 2023, External Examiner, PhD Thesis, School of Architecture and Built Environment, University of Newcastle, Australia
- 2022 - Current, Onsite Visit Team Member, PMI Global Accreditation Center for Project Management Education Programs
- 2022, External Examiner, PhD Thesis, School of Civil and Mechanic Engineering, Curtin University, Australia
- 2020 – Current, Communications Coordinator of CIB Working Commission W122 - Public Private Partnership
- 2020 – Current, Assessor, Australian Research Council, Australia
- 2020 - 2021, Assessor, Makerere University Research and Innovations Fund, Uganda
- 2020 - 2023, Advisory Board Member of Construction Management Discipline, Suzhou University of Science and Technology, China
- 2019, External Examiner, PhD Thesis, School of Engineering, RMIT University, Australia
- 2018 - 2019, Visiting Research Director, Jumbo Consulting, Shanghai, China
- 2018 - 2021, Guest Professor, School of Economics and Management, Chang'an University, China
- 2018 - 2021, Contributing Specialist, Central University of Finance and Economics, China
- 2017 - Current, Member of MB012 - Project, Programme and Portfolio Management, Standards Australia Committees
- 2016 - 2023, Contributing Specialist, Center for Public-Private Partnership, Tsinghua University, China
- 2015, External Examiner, Final Year Dissertation, School of Natural and Built Environments, University of South Australia, Australia