

## **YONGJIAN KE**

Associate Professor of Project Management

School of Built Environment, University of Technology Sydney, Australia

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### **EDUCATION**

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- 2005.09 - 2010.07, Doctor of Philosophy (Management Science and Engineering)  
Department of Civil Engineering, Tsinghua University, China  
Thesis: Equitable Risk Allocation for Public-Private Partnership Projects in China  
Supervisors: Prof ShouQing Wang and Prof Albert Chan (Hong Kong Polytechnic University)
- 2001.09 - 2005.07, Bachelor of Engineering (Project Management)  
Department of Construction Management, Tsinghua University, China

### **EMPLOYMENT**

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- 2022.01 - Current, Associate Professor of Project Management  
School of Built Environment, University of Technology Sydney, Australia
- 2016.09 - 2021.12, Senior Lecturer in Project Management  
School of Built Environment, University of Technology Sydney, Australia
- 2013.06 - 2016.08, Lecturer in Construction Management  
School of Architecture & Built Environment, University of Newcastle, Australia
- 2010.07 - 2013.05, Research Fellow  
Department of Building, National University of Singapore, Singapore
- 2007.03 - 2008.06, Research Assistant  
Department of Building and Real Estate, Hong Kong Polytechnic University, China

### **HONORS & AWARDS**

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

## RESEARCH INTERESTS

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- Project Delivery: Public-Private Partnership, Build-Operate-Transfer, Alliance, Partnering
- Project Management: Procurement Management, Risk Management, Stakeholder Management
- Contracting Behaviour: Relational Contracting, Psychological Contracts, Network Governance
- Social Sustainability: Social Licence to Operate, Community Acceptance, Social Media Use
- Infrastructures: Megaprojects, Transportation, Aged Care, Smart Cities, Social Infrastructure

## CERTIFICATION

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- 2018.10, World Bank Group / APMG Certified PPP Professional (CP3P) Preparation, Certificate Number: 0424770101D34G
- 2017.06, World Bank Group / APMG Certified PPP Professional (CP3P) Foundation, Certificate Number: 0236103601E2VG

## GRANTS

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

## PROJECTS

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### Teaching Projects

- Ke, Y., Remington, K., *Developing a Group Activity to Enhance Learning of a Difficult Concept and to Prepare Students for the Individual Assignment for 15327*, University of Technology Sydney, Learner Experience Design Grant, 2017, AUD 2,000

## Research Projects

- 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, 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

## PUBLICATIONS

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### Books

- 1) Ke, Y., Zhang, J., & Philbin, S.P. (2023). *Tradition and Innovation in Construction Project Management*. MDPI Books. (Hardback ISBN 978-3-0365-8114-9, PDF ISBN 978-3-0365-8115-6)
- 2) Ke, Y., & Ye, J. (2018). *Public-Private Partnerships in Australia*. Tsinghua University Press. (Chinese, ISBN: 9787302497394)
- 3) Ke, Y., & Wang, S. (2011). *Concession Project Financing (PPP): Risk Allocation and Management*. Tsinghua University Press. (Chinese, ISBN: 9787302263371, 5th printing in March 2017)
- 4) Wang, S., & Ke, Y. (2008). *Concession Project Financing (BOT/PFI/PPP)*. Tsinghua University Press. (Chinese, ISBN: 9787302176596, 11th printing in March 2017)

### Book Chapters

- 1) Feng, K., Ke, Y., & Qi, X. (2024). Risk Management in Public-Private Partnerships. In *Public-Private Partnership Theory and Practice* (pp. 82-113). China Science Publishing & Media.
- 2) Ninan, J., Ke, Y., Sankaran, S., Mathur, S., Vuorinen, L., & Devkar, G. (2022). Social Media for Improving Metro Rail Project Operations. In *Social Media for Project Management*. CRC Press. (ISBN: 9781003215080)
- 3) Xie, J., Wang, S., Jefferies, M., & Ke, Y. (2016). Public-Private Partnerships (PPPs) in China: The Past, Present and Future. In *New Forms of Procurement: PPP and Relational Contracting in the 21st Century* (pp. 216–234). Routledge. (ISBN: 9781138796126)
- 4) Ke, Y., & Wang, S. (2015). Public Private Partnership Development in China. In *Public Private Partnerships: A Global Review* (pp. 74–88). Routledge. (ISBN: 9780415728966)
- 5) Ke, Y. (2014). Project Financing. In *Construction Management Research Fronts and Trends* (pp. 48–68). China City Press. (Chinese, ISBN: 9787507429336)
- 6) Wang, S., Ke, Y., & Xie, J. (2012). Public-Private Partnership Implementation in China. In *Taking Stock of PPP and PFI Around the World* (pp. 29–36). Certified Accountants Educational Trust. (ISBN: 9781859084755)
- 7) Wang, S., & Ke, Y. (2009). Laibin B Power Project: The First State Approved BOT Project in China. In *Public Private Partnerships in Infrastructure Development—Case Studies from Asia and Europe* (pp. 101–129). Bauhaus-Universitat Weimar. (ISBN: 9783860683828)

### Journal Papers

- 1) Albornoz, V., Ke, Y., & Millán, J. (2023). Public-Private Partnerships: Pro-cyclical or Counter-cyclical? An Empirical Study. *International Journal of Construction Management*, <https://doi.org/10.1080/15623599.2023.2245629>.
- 2) Bai, L., Lin, J., Zhang, L., Pan, T., Ke, Y., & Zhou, X. (2023). Modeling For Project Portfolio Synergy Benefits Measurement. *International Journal of Modelling and Simulation*, <https://doi.org/10.1080/02286203.2023.2238370>.

- 3) Wang, K., Ke, Y., & Sankaran, S. (2023). The Social Pillar of Sustainable Development: Measurement and Current Status of Social Sustainability of Aged Care Projects in China. *Sustainable Development*, <https://doi.org/10.1002/sd.2654>.
- 4) Muller, R., Alix-Séguin, C., Alonderienė, R., Bourgault, M., Chmieliauskas, A., Drouin, N., Ke, Y., Wang, L., Pilkiene, M., Minelgaite, I., Šimkonis, S., Unterhitzenberger, C., Vaagaasar, A.L., & Zhu, F. (2023). A (meta)governance framework for multi-level governance of inter-organizational project networks. *Production Planning & Control*. <https://doi.org/10.1080/09537287.2022.2146018>.
- 5) 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.
- 6) 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.
- 7) Ke, Y., Zhang, J., & Philbin, S.P. (2023). Tradition and Innovation in Construction Project Management. *Buildings*, 13(6), 1537.
- 8) 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.
- 9) 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.
- 10) Unterhitzenberger, C., Müller, R., Vaagaasar, A.L., Ke, Y., Alonderiene, R., Minelgaite, i., Pilkiene, M., Wang, L., Drouin, N., Chmieliauskas, A., Simkonis, S., & Mongeon, M. (2023). A multi-level governance model for inter-organizational project networks. *Project Management Journal*, 54(1), 88-105.
- 11) 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.
- 12) 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.
- 13) 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.
- 14) 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.
- 15) 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.
- 16) 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.
- 17) 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.
- 18) 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.
- 19) 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.

- 20) 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.
- 21) 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.
- 22) 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.
- 23) 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.
- 24) Mwelu, N., Davis, P. R., 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.
- 25) Cheng, Z., Ke, Y., Yang, Z., Cai, J., & Wang, H. (2020). Diversification or Convergence: An International Comparison of PPP Policy and Management between UK, India and China. *Engineering, Construction and Architectural Management*, 27(6), 1315–1335.
- 26) Mwelu, N., Davis, P. R., Ke, Y., & Watundu, S. (2020). Compliance Mediating Role within Road Construction Regulatory Framework. *Journal of Public Procurement*, 20(3), 209–233.
- 27) Yuan, J., Li, X., Ke, Y., Xu, W., Xu, Z., & Skibnewski, M. (2020). Developing a Building Information Modeling-based Performance Management System for Public-Private Partnerships. *Engineering, Construction and Architectural Management*, 27(8), 1727–1762.
- 28) Zhao, X., Ke, Y., Zuo, J., Xiong, W., & Wu, P. (2020). Evaluation of Sustainable Transport Research In 2000-2019. *Journal of Cleaner Production*, 256, 120404.
- 29) Du, Y., Fang, J., Ke, Y., Philbin, S. P., & Zhang, J. (2019). Developing a Revenue Sharing Method for an Operational Transfer-Operate-Transfer Project. *Sustainability*, 11(22), 6436.
- 30) Ke, Y., Ling, F. Y. Y., Ning, Y., & Zhang, Z. (2019). Managing Relationships in Large Public Projects: Comparative Study of China and Singapore. *Built Environment Project and Asset Management*, 9(3), 348–363.
- 31) Ma, L., Li, J., Jin, R., & Ke, Y. (2019). A Holistic Review of Public-Private Partnership Literature Published between 2008 and 2018. *Advances in Civil Engineering*, 2019, 7094653.
- 32) Osei-Kyei, R., Chan, A. P. C., Yu, Y., Chen, C., Ke, Y., & Tijani, B. (2019). Social Responsibility Initiatives for Public-Private Partnership Projects: A Comparative Study between China and Ghana. *Sustainability*, 11(5), 1338.
- 33) Wang, K., Ke, Y., & Sankaran, S. (2019). Public-Private Partnerships in Non-profit Hospitals: Case Study of China. *International Journal of Health Planning and Management*, 34(4), e1862-1898.
- 34) Cheng, Z., Ke, Y., & Lin, J. (2018). An Assessment of PPP Fever in China from 2014. *Urban and Local Governance Review*, 1, 18-33. (Chinese)
- 35) Cheng, Z., Wang, H., Song, J., & Ke, Y. (2018). Does Spatial Governance Matter to PPPs? An Exploration of the PPP Spatial Governance Mechanism in China. *Regulation Review*, 14, 102-115. (Chinese)
- 36) Ke, Y. (2018). Formation of Optimal Private Involvement in Urban Rail Public Private Partnership Projects in China. *International Journal of Project Organisation and Management*, 10(3), 268–286.
- 37) Mwelu, N., Davis, P. R., Ke, Y., & Watundu, S. (2018). Compliance within a Regulatory Framework in Implementing Public Road Construction Projects. *Construction Economics and Building*, 18(4), 1–23.
- 38) Wang, K., & Ke, Y. (2018). Problems and Countermeasures of Public Hospital Public-Private Partnership Projects in China. *Chinese Journal of Hospital Administration*, 34(11), 894-899. (Chinese)

- 39) Wang, K., & Ke, Y. (2018). Public Private Partnerships in the Electric Vehicle Charging Infrastructure in China: An Illustrative Case Study. *Advances in Civil Engineering*, 2018, 9061647.
- 40) Davis, P. R., Jefferies, M., & Ke, Y. (2017). Psychological Contracts: Framework for Relationships in Construction Procurement. *Journal of Construction Engineering and Management*, 143(8), 04017028.
- 41) Ke, Y., Hao, W., Ding, H., & Wang, Y. (2017). Factors Influencing the Private Involvement in Urban Rail Public-Private Partnership Projects in China. *Construction Economics and Building*, 17(1), 90–106.
- 42) Cheng, Z., Ke, Y., Lin, J., Yang, Z., & Cai, J. (2016). Spatio-Temporal Dynamics of Public-Private Partnership Projects in China. *International Journal of Project Management*, 34(7), 1242–1251.
- 43) Ke, Y., Davis, P. R., & Jefferies, M. (2016). A Conceptual Model of Psychological Contracts in Construction Projects. *Construction Economics and Building*, 16(3), 20–37.
- 44) Zhang, S., Chan, A. P. C., Feng, Y., Duan, H., & Ke, Y. (2016). Critical Review on PPP Research—A Search from The Chinese and International Journals. *International Journal of Project Management*, 34(4), 597–612.
- 45) Chan, A. P. C., Lam, P. T. I., Wen, Y., Ameyaw, E. E., Wang, S., & Ke, Y. (2015). Cross-Sectional Analysis of Critical Risk Factors for PPP Water Projects in China. *Journal of Infrastructure Systems*, 21(1), 04014031.
- 46) Hao, W., Ding, H., Ke, Y., & Wang, Y. (2015). Are Relational Contracting Approaches Applicable to Public Projects in China? *Frontiers of Engineering Management*, 1(4), 358–363.
- 47) Ke, Y., Ling, F. Y. Y., & Zou, P. X. W. (2015). Effects of Contract Strategy on Interpersonal Relations and Project Outcomes of Public-Sector Construction Contracts in Australia. *Journal of Management in Engineering*, 31(4), 04014062.
- 48) Ke, Y. (2014). Is Public-Private Partnership a Panacea for Infrastructure Development? The Case of Beijing National Stadium. *International Journal of Construction Management*, 14(2), 90–100.
- 49) Ke, Y., Jefferies, M., Shrestha, A., & Jin, X. (2014). Public Private Partnership in China: Where to From Here. *Organization, Technology & Management in Construction: An International Journal*, 6(3), 1156–1162.
- 50) Ling, F. Y. Y., Ke, Y., Kumaraswamy, M. M., & Wang, S. (2014). Key Relational Contracting Practices Affecting Performance of Public Construction Projects in China. *Journal of Construction Engineering and Management*, 140(1), 04013034.
- 51) Ling, F. Y. Y., Ong, S. Y., Ke, Y., Wang, S., & Zou, P. X. W. (2014). Drivers and Barriers to Adopting Relational Contracting Practices in Public Projects: Comparative Study of Beijing and Sydney. *International Journal of Project Management*, 32(2), 275–285.
- 52) Wu, M., Tang, W. C., Ke, Y., & Luo, C. (2014). An Environmental Study on the Collapse of a Tenement Building in HK. *Advanced Materials Research*, 838–841, 2208–2211.
- 53) Ke, Y., Ling, F. Y. Y., & Ning, Y. (2013). Public Construction Project Delivery Process in Singapore, Beijing, Hong Kong and Sydney. *Journal of Financial Management of Property and Construction*, 18(1), 6–25.
- 54) Ke, Y., Wang, S., & Chan, A. P. C. (2013). Risk Misallocation in Public-Private Partnership Projects in China. *International Public Management Journal*, 16(3), 438–460.
- 55) Ling, F. Y. Y., Ning, Y., Ke, Y., & Kumaraswamy, M. M. (2013). Modeling Relational Transaction and Relationship Quality among Team Members in Public Projects in Hong Kong. *Automation in Construction*, 36, 16–24.
- 56) Sheng, H., Liang, W., Wang, S., & Ke, Y. (2013). PPP Project Risk Relationships Based on the Interpretive Structure Model. *Advances in Information Sciences and Service Sciences*, 5(9), 618–627.
- 57) Cheung, E., Chan, A. P. C., Lam, P. T. I., Chan, D. W. M., & Ke, Y. (2012). A Comparative Study of Critical Success Factors for Public Private Partnerships (PPP) Between Mainland China and The Hong Kong Special Administrative Region. *Facilities*, 30(13/14), 647–666.

- 58) Ke, Y., Wang, S., & Chan, A. P. C. (2012). Risk Management Practice in China's Public-Private Partnership Projects. *Journal of Civil Engineering and Management*, 18(5), 675–684.
- 59) Sheng, H., Wang, & Ke, Y. (2012). Study of Risk Management of Private Enterprises' Involvement in BOT Projects: A Case Study of a Sludge Treatment Project. *Tumu Gongcheng Xuebao/China Civil Engineering Journal*, 45(1), 142-147. (Chinese)
- 60) Chan, A. P. C., Yeung, J. F. Y., Yu, C. C. P., Wang, S., & Ke, Y. (2011). Empirical Study of Risk Assessment and Allocation of Public-Private Partnership Projects in China. *Journal of Management in Engineering*, 27(3), 136-148.
- 61) Ke, Y., Wang, S., & Chan, A. P. C. (2011). Equitable Risks Allocation of Projects Inside China: Analyses from Delphi Survey Studies. *Chinese Management Studies*, 5(3), 298-310.
- 62) Ke, Y., Wang, S., Chan, A. P. C., & Cheung, E. (2011). Understanding the Risks in China's PPP Projects: Ranking of Their Probability and Consequence. *Engineering, Construction and Architectural Management*, 18(5), 481-496.
- 63) Chan, A. P. C., Lam, P. T. I., Chan, D. W. M., Cheung, E., & Ke, Y. (2010). Critical Success Factors for PPPs In Infrastructure Developments: Chinese Perspective. *Journal of Construction Engineering and Management*, 136(5), 484-494.
- 64) Chan, A. P. C., Lam, P. T. I., Chan, D. W. M., Cheung, E., & Ke, Y. (2010). Potential Obstacles to Successful Implementation of Public-Private Partnerships in Beijing and the Hong Kong Special Administrative Region. *Journal of Management in Engineering*, 26(1), 30-40.
- 65) Ke, Y., Wang, S., & Chan, A. P. C. (2010). Risk Allocation in Public-Private Partnership Infrastructure Projects: Comparative Study. *Journal of Infrastructure Systems*, 16(4), 343–351.
- 66) Ke, Y., Wang, S., Chan, A. P. C., & Lam, P. T. I. (2010). Preferred Risk Allocation in China's Public-Private Partnership (PPP) Projects. *International Journal of Project Management*, 28(5), 482–492.
- 67) Xu, Y., Yeung, J. F. Y., Chan, A. P. C., Chan, D. W. M., Wang, S., & Ke, Y. (2010). Developing a Risk Assessment Model for PPP Projects in China—A Fuzzy Synthetic Evaluation Approach. *Automation in Construction*, 19(7), 929–943.
- 68) Chan, A. P. C., Lam, P. T. I., Chan, D. W. M., Cheung, E., & Ke, Y. (2009). Drivers for Adopting Public Private Partnerships – Empirical Comparison Between China and Hong Kong Special Administrative Region. *Journal of Construction Engineering and Management*, 135(11), 1115–1124.
- 69) Huang, T., Ke, Y., Li, & Wang, S. (2009). Comparative Analysis on Governments' Administration in PPP Model Between China and Other Countries. *Project Management Technology*, 1, 9-13. (Chinese)
- 70) Ke, Y., Wang, S., & Chan, A. P. C. (2009). Government Incentives for Private Sector Involvement in Infrastructure PPP Projects. *Qinghua Daxue Xuebao/Journal of Tsinghua University*, 49(9), 1480-1483. (Chinese)
- 71) Ke, Y., Wang, S., Chan, A. P. C., & Cheung, E. (2009). Research Trend of Public-Private Partnership in Construction Journals. *Journal of Construction Engineering and Management*, 135(10), 1076–1086.
- 72) Ke, Y., Wang, S., & Teng, T. (2009). Risk Management of International Joint Venture. *Overseas Investment and Export Credit*, 2, 36-39. (Chinese)
- 73) Ke, Y., Zhao, X., Wang, Y., & Wang, S. (2009). Investment Decision-Making Model for Private Enterprises in Developing Infrastructure Projects. *Project Management Technology*, 2, 9-14. (Chinese)
- 74) Ke, Y., Zhao, X., Wang, Y., & Wang, S. (2009). SWOT Analysis of Domestic Private Enterprises in Developing Infrastructure Projects in China. *Journal of Financial Management of Property and Construction*, 14(2), 152–170.
- 75) Qi, Ke, Y., & Wang, S. (2009). Analysis of Critical Risk Factors Causing the Failures of China's PPP Projects. *China Soft Science*, 5, 107-113. (Chinese)



- 76) Chan, A. P. C., Lam, P. T. I., Chan, D. W. M., Cheung, E., & Ke, Y. (2008). Comparative Study of Different Financial Modalities in Infrastructure Development in Hong Kong. *Construction Economy*, 10, 89-92. (Chinese)
- 77) Ke, Y., Liu, X., & Wang, S. (2008). Equitable Financial Evaluation Method for Public-Private Partnership Projects. *Tsinghua Science and Technology*, 13(5), 702–707.
- 78) Ke, Y., & Wang, S. (2008). Application of EPC Model in International Construction Market. *International Project Contracting and Labor Services*, 10, 6-7. (Chinese)
- 79) Ke, Y., Wang, S., & Chan, A. P. C. (2008). Revelation of The Channel Tunnel's Failure to Risk Allocation in Public-Private Partnership Projects. *Tumu Gongcheng Xuebao/China Civil Engineering Journal*, 41(12), 97-102. (Chinese)
- 80) Ke, Y., Wang, S., & Chan, A. P. C. (2008). Risk Allocation in Infrastructure Public-Private Partnership (PPP) Projects. *Construction Economy*, 4, 31-35. (Chinese)
- 81) Ke, Y., Zhao, X., Wang, Y., & Wang, S. (2008). SWOT Analysis of Private Enterprises in Developing Infrastructure Projects. *Commercial Research*, 12, 7-11. (Chinese)
- 82) Wang, Y., Ke, Y., & Wang, S. (2008). Changes and Trends of Political Risks in China's PPP Projects. *Construction Economy*, 12, 58-61. (Chinese)
- 83) Zhao, X., Wang, Y., Ke, Y., & Wang, S. (2008). Investment Strategies of Private Enterprises in Developing Infrastructure Projects. *Construction Economy*, 7, 58-61. (Chinese)
- 84) Ke, Y., Wang, S., & Yao, C. (2007). Research on The Monopolization of Infrastructure Concessionary Projects. *Commercial Research*, 5, 17-19. (Chinese)
- 85) Ke, Y., & Wang, S. (2006). Configuration of Internet-based Bidding System. *Construction Economy*, S1, 153-156. (Chinese)
- 86) Ke, Y., & Wang, S. (2006). Risk Management Framework Using a Linguistic Variable-based Belief Network for Construction Projects. *Chinese Journal of Management Science*, 14(S), 211–215.
- 87) Wang, S., Ke, Y., & Teng, T. (2006). Risk Management of International Construction Joint Venture. *International Project Contracting and Labor Services*, 10, 4-7. (Chinese)
- 88) Wang, S., Ke, Y., Li, Z., Liu, X., & Liu, S. (2005). Discussion on PPP at the First International Project Finance Workshop. *International Project Contracting and Labor Services*, 6, 21-24. (Chinese)

## Conference Papers

- 1) Ke, Y., Tang, L., & Zhai, C. (2022). *Do Australians Dislike Chinese Investment in Australian Infrastructure Sector?* AUBEA 2022, Sydney, Australia.
- 2) 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*. EURAM 2022, Winterthur, Switzerland.
- 3) Devkar, G., Sankaran, S., Ke, Y., Ninan, J., Mathur, S., Tsang, I., & Vuorinen, L. (2021). *Data Analytics to Evaluate Public Value from Megaprojects*. 6th PMI Research and Academic Virtual Conference, India.
- 4) Ke, Y., Cheng, Z., & Liu, L. (2019). *Defining Public-Private Partnership from the Wittgenstein Family-Resemblance Philosophy*. CIB World Building Congress 2019 - Constructing Smart Cities, Hong Kong, China.
- 5) Sankaran, S., Ke, Y., Mangioni, V., & Devkar, G. (2019). *Responsible Leadership of Public Private Partnerships (PPP) Adopted in Infrastructure Projects*. 5th PMI India Research & Academic Conference, IIMK, Kozhikode, India.
- 6) Zhang, B., Wang, S., Ke, Y., & Feng, K. (2019). *Drivers of Private Sector Participation in PPP: Impact of Contract Characteristics in China*. CIB World Building Congress 2019 - Constructing Smart Cities, Hong Kong, China.
- 7) Liu, J., Sankaran, S., Ke, Y., & Xu, X. (2018). *Developing a Value Capture Index for Social Infrastructure Public-Private Partnership Projects*. IRNOP 2018, Melbourne, Australia.

- 8) Xu, X., Sankaran, S., & Ke, Y. (2018). *An Investigation of the Relationship between Opportunism and Innovation during the Build Phase in PPP Projects*. EURAM 2018, Reykjavik, Iceland.
- 9) Xu, X., Sankaran, S., Ke, Y., & Liu, J. (2018). *Opportunism Forms of Public-Private Partnership Projects in China: Principal-Agent Relationship Perspective*. IRNOP 2018, Melbourne, Australia.
- 10) Devkar, G., Sankaran, S., & Ke, Y. (2017). *Evaluation of PPP projects in Australia and India: An Information Asymmetry Perspective*. PMI India Research and Academic Conference 2017, New Delhi, India.
- 11) Ke, Y. (2017). *Psychological Contracts in Construction: Two Case Studies*. 2017 International Conference on Innovative Production and Construction, Perth, Australia.
- 12) Ke, Y., Jefferies, M., & Davis, P. R. (2016). *A Comparison of Public Private Partnership Environment between Australia and China*. 21st International Conference on Advancement of Construction Management and Real Estate, Hong Kong, China.
- 13) Jefferies, M., Davis, P. R., & Ke, Y. (2015). *An Investigation of Psychological Contracts in Construction Procurement*. 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.
- 14) Jin, X., Zhang, G., Ke, Y., & Xia, B. (2015). *Factors Influencing Transaction Costs in Construction Projects: A Critical Review*. 20th International Symposium on Advancement of Construction Management and Real Estate, Hangzhou, Zhejiang, China.
- 15) Ke, Y., Gajendran, T., & Davis, P. R. (2015). *Relational Contracting in the Construction Industry: Mapping Practice to Theory*. 2015 Architectural Engineering Institute Conference, Milwaukee, Wisconsin, USA.
- 16) 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*. 2015 RICS COBRA AUBEA, Sydney, Australia.
- 17) Jefferies, M., Rowlinson, S., Kumaraswamy, M. M., & Ke, Y. (2014). *Using Public Private Partnerships (PPPs) for the Procurement of Public Hospitals*. CIB W055, W065, W089, W118, TG76, TG78, TG81 - Construction in a Changing World, Heritance Kandalama, Sri Lanka.
- 18) Jin, X., Zuo, J., Xia, B., & Ke, Y. (2014). *A Theoretical Framework for Reducing Tendering Costs in the Procurement of Infrastructure Projects*. ICEC 2014 - IX World Congress: Re-Engineering Total Cost Management, Milan, Italy.
- 19) Ke, Y., Hao, W., & Wang, Y. (2014). *A Feasibility Study of the Implementation of Relational Contracting in China's Public Projects*. 8th China Engineering Management Forum, Beijing, China.
- 20) Xia, B., Zuo, J., Wu, P., & Ke, Y. (2014). *Sustainable Construction Trends in Journal Papers*. 19th International Symposium on Advancement of Construction Management and Real Estate, Chongqing, China.
- 21) Ke, Y., Ling, F. Y. Y., & Wang, S. (2013). *Effects of Relationships on Public Project Delivery Process in China: A Case Study*. 38th Australian Universities Building Education Association Conference, Auckland, New Zealand.
- 22) Ke, Y., Ling, F. Y. Y., Wang, S., Zou, P. X. W., Kumaraswamy, M. M., & Ning, Y. (2013). *Relationships Among Contracting Parties and Their Effects on Outcomes of Public Construction Projects in China*. 2013 Architectural Engineering Institute Conference, State College, PA, USA.
- 23) Ke, Y., Ling, F. Y. Y., Zou, P. X. W., Wang, S., & Kumaraswamy, M. M. (2012). *Positive and Negative Factors Influencing the Implementation of Relational Contracting in Public Construction Projects in Australia*. CIB W055, W065, W089, W118, TG76, TG78, TG81, TG84 - Management of Construction: Research to Practice, Montreal, Canada.
- 24) Ke, Y., Ling, F. Y. Y., Kumaraswamy, M. M., Wang, S., Zou, P. X. W., & Ning, Y. (2011). *Are Relational Contracting Principles Applicable to Public Construction Projects?* 2011 RICS COBRA, Salford, UK.
- 25) Ke, Y., Wang, S., & Chan, A. P. C. (2011). *Equitable Risk Allocation in Chinese Public-Private Partnership Power Projects*. 1st International Conference on Sustainable Construction & Risk Management, Chongqing, China.

- 26) Ling, F. Y. Y., Chua, M. H., & Ke, Y. (2011). *Diversity Management: Managing Migrant Construction Workers on Construction Sites in Singapore*. CIB W055, W065, W089, W118, TG76, TG78, TG81 - Management and Innovation for a Sustainable Built Environment, Amsterdam, The Netherlands.
- 27) 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*. 2010 CIB World Building Congress.
- 28) 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*. Fifth International Structural Engineering and Construction Conference, Las Vegas, Nevada, USA.
- 29) Ke, Y., Wang, S., & Chan, A. P. C. (2009). *Public-Private Partnerships in China's Infrastructure Development: Lessons Learnt*. CIB W096, W104, TG53 - Changing Roles: New Roles, New Challenges, Noordwijk aan Zee, The Netherlands.
- 30) Ke, Y., Wang, S., & Chan, A. P. C. (2009). *Risk Allocation and Management of PPP Infrastructure Projects*. 8th China-International Construction Project Management Summit Meeting, Jinan, China. (Chinese)
- 31) Chan, A. P. C., Lam, P. T. I., Chan, D. W. M., Cheung, E., & Ke, Y. (2008). *Measures that Enhance the Achievement of Value-for-Money in PPP Projects*. CIB W092, W107, TG63 - Building Abroad: Procurement of Construction and Reconstruction Projects in the International Context, Montreal, Canada.
- 32) Ke, Y., Wang, S., Chan, A. P. C., & Li, Z. (2008). *Changes of Political Risks in China's PPP Projects*. 6th National Civil Engineering Forum for Graduate Students, Beijing, China. (Chinese)
- 33) Wang, S., & Ke, Y. (2008). *Risk Management of Infrastructure Projects in China with Case Study of the National Stadium*. Inaugural Conference on Construction Law and Economics Circle in Asia and Pacific, Kyoto, Japan.
- 34) Ke, Y., Wang, S., & Chan, A. P. C. (2007). *Developing a Quantitative Risk Allocation Mechanism for Public-Private Partnership (PPP) Projects in the PRC: A Research Framework*. 2007 International Conference on Concession Public/Infrastructural Projects, Dalian, China. (Chinese)

## Thesis

- 1) Ke, Y. (2010). *Equitable Risk Allocation for Public-Private Partnership Projects in China* [PhD Thesis]. Tsinghua University, China.
- 2) Ke, Y. (2005). *Comparison of Financial Evaluation Methods for PPP/BOT Projects* [Bachelor Thesis]. Tsinghua University, China.

## Monographs/Working Papers

- 1) Ke, Y. (2018). Public-Private Partnerships in Australia: History and Application. *Reference for PPP Decision Making*, (3), 1-8. (Chinese)
- 2) Ke, Y. (2018). Public-Private Partnerships in Australia: Regulatory Framework. *Reference for PPP Decision Making*, (4), 9-21. (Chinese)
- 3) Ke, Y. (2018). What is a True Public-Private Partnership Project? *Reference for PPP Decision Making*, (26), 1-9. (Chinese)
- 4) Ke, Y., Zhang, L., & Zhou, B. (2018). *A Cross-Country Comparison of Public-Private Partnerships Environment and Applications*. Jumbo Consulting. (Chinese)
- 5) Bannister, P., & Ke, Y. (2017). A Review of PPP Projects in NSW Australia: Are PPPs Really Value for Money? *Reference for PPP Decision Making*, (40), 1-9. (Chinese)
- 6) Ling, F. Y. Y., Teo, A., Ke, Y., & Ning, Y. (2013). *Boosting Public Construction Project Outcomes through Relational Transactions*. National University of Singapore.
- 7) Ke, Y., & Wang, S. (2009). Current Implementation of Risk Management in China's PPP Projects. *Jumbo Newsletter*, (4), 18-22. (Chinese)

- 8) Wang, S., & Ke, Y. (2009). Reasons and Revelation of Taiwan High Speed Rail's Failure. *Jumbo Newsletter*, (11), 10-11. (Chinese)
- 9) Wang, S., & Ke, Y. (2008). Application and Experience of BOT/PPP in China. *Invest Beijing*, 10, 82-83. (Chinese)

## RESEARCH METRICS

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### Google Scholar Metrics (as of 12 October 2023)

▪ Citations:	6598	(all)	4054	(since 2018)
▪ h-index:	34	(all)	27	(since 2018)
▪ i10-index:	62	(all)	53	(since 2018)

### 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 5<sup>th</sup> 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 2<sup>nd</sup> 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 18<sup>th</sup> of 25 most cited papers published since 2008 (accessed on 4 December 2013), 5<sup>th</sup> of 25 published since 2009 (accessed on 17 December 2014), and 3<sup>rd</sup> 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 6<sup>th</sup> of 20 most cited papers (accessed on 19 May 2015), 7<sup>th</sup> of 10 most cited articles from the past three years (accessed on 28 April 2017), and 8<sup>th</sup> 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 2<sup>nd</sup> of 20 most cited papers (accessed on 19 April 2016), 3<sup>rd</sup> of 10 most cited articles from the past three years (accessed on 28 April 2017), 2<sup>nd</sup> of 10 most cited articles from the past three years (accessed on 8 August 2019), and 5<sup>th</sup> 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 18<sup>th</sup> 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 11<sup>th</sup> of 20 most cited papers (accessed on 03 December 2014), and 9<sup>th</sup> 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 22<sup>nd</sup> 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 3<sup>rd</sup> 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
- *"Comprehensive Metrological and Content Analysis of the Public-Private Partnerships (PPPs) Research Field: a New Bibliometric Journey"* in Scientometrics in 2020: I was 7<sup>th</sup> influential author; four papers were in the top 20 most cited papers, i.e. #4, #6, #7 and #11
- *"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
- *"A Holistic Review of Public-Private Partnership Literature Published between 2008 and 2018"* in Advances in Civil Engineering in 2019: I was ranked 2<sup>nd</sup> most cited author; five papers were in the top 15 most cited articles, i.e. #1, #2, #5, #7 and #10
- *"Bibliometric Analysis of PPP and PFI Literature: Overview of 25 Years of Research"* in the Journal of Construction Engineering and Management in 2016: one paper was in the top 10 most cited papers, i.e. #9
- *"A Review of Emerging Trends in Global PPP Research: Analysis and Visualization"* in Scientometrics in 2016: I was ranked 4<sup>th</sup> most productive author

## Mentioned by Policy Sources (from Altmetric Data)

- *"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 international 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

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- 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 Southeast 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 Southeast 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, Xi'an University of Architecture and Technology, Shaanxi, 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

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### Higher Degree Research

- Ms Juanwen Liu, University of Technology Sydney, Co-supervised PhD Student, July 2017 - Current, China Scholarship Council – UTS PhD Scholarship, Principal Supervisor: Prof Shankar Sankaran, *Enhancing Value Co-creation in Social Infrastructure Public Private Partnership Projects*
- Dr Kun Wang, University of Technology Sydney, PhD Student, February 2019 – February 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 7<sup>th</sup> Infrastructure Research and Innovation Competition in China, Currently a Lecturer, Ningbo University, China
- Dr Xiaohang Xu, University of Technology Sydney, Co-supervised PhD Student, July 2016 – November 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 – February 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

## Visiting Scholars/Students

- Ms Kun Wang, Lecturer, Ningbo University, China, Visited University of Technology Sydney from February to July 2018
- Mr Zilong Zhang, PhD graduate, Tsinghua University, China, Visited University of Newcastle from March to August 2015

## Undergraduate Capstone Projects

- One student in 2017, University of Technology Sydney, FEIT Capstone Project
- Eleven students in 2016, University of Newcastle, Research in the Built Environment
- Eleven students in 2015, University of Newcastle, Research in the Built Environment
- Nine students in 2014, University of Newcastle, Research in the Built Environment

## TEACHING

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### University of Technology Sydney, Australia

#### 15319 Project Risk, Procurement and Quality Management - Postgraduate, Coordination and Teaching

- 2023 Spring, four-day block, on-campus, 31 students
- 2023 Autumn, four-day block, on-campus, 20 students
- 2022 Spring, four-day block, blended (connecting online students from the classroom via Zoom), 16 students
- 2022 Autumn, four-day online block with one on-campus group discussion workshop, 16 students
- 2021 Spring, two two-day blocks, online, 11 students
- 2021 Autumn, fortnightly 3hr evening lecture sessions (online), weekly 1hr consultation sessions (online), one-day group discussion workshop (on-campus), blended, 19 students
- 2020 Spring, fortnightly 3hr evening sessions, online, 28 students
- 2020 Autumn, gateway-type modules, online, 27 students
- 2019 Spring, four-day block, on-campus, 26 students
- 2019 Autumn, four-day block, on-campus, 35 students
- 2018 Autumn, four-day block, on-campus, 36 students
- 2017 Spring, four-day block, on-campus, 25 students
- 2017 Autumn, four-day block, on-campus, 35 students
- 2016 Spring, no coordination, four-day block, on-campus, 43 students

#### 15115 Advances in Project Management - Postgraduate, Coordination and Teaching

- 2023 Spring, fortnightly 3 hr evening sessions, on-campus, 13 students
- 2022 Spring, fortnightly 3hr evening sessions, blended (connecting online students from the classroom via Zoom), 13 students
- 2021 Spring, fortnightly 3hr evening sessions, online, 31 students
- 2020 Spring, fortnightly 3hr evening sessions, online, 30 students
- 2019 Spring, fortnightly 3hr evening sessions, on-campus, 14 students

#### 15317 Advanced Project Risk Management - Postgraduate, Coordination and Teaching

- 2023 Autumn, four-day block, on-campus, 12 students
- 2022 Autumn, four-day block, blended (connecting online students from the classroom via Zoom), 11 students
- 2021 Autumn, fortnightly 3hr evening lecture sessions (online), weekly 1hr consultation sessions (online), one-day group discussion workshop (on-campus), blended, 21 students
- 2020 Autumn, gateway-type modules, online, 15 students
- 2019 Autumn, four-day block, on-campus, 25 students



- 2018 Autumn, four-day block, on-campus, 21 students
- 2017 Autumn, four-day block, on-campus, 60 students

#### 15327 Managing Project Complexity – Postgraduate, Coordination

- 2022 Autumn, four-day block, blended (connecting online students from the classroom via Zoom), 16 students
- 2021 Autumn, four-day block, blended (connecting online students from the classroom via Zoom), 23 students
- 2020 Autumn, four-day block, online, 26 students
- 2019 Autumn, four-day block, on-campus, 44 students
- 2018 Autumn, four-day block, on-campus, 39 students
- 2017 Autumn, four-day block, on-campus, 57 students

#### 15310 Project Integration Management – Postgraduate, Coordination

- 2023 Autumn, four-day block, on-campus, 9 students

#### 15362 Managing Project Contracts – Postgraduate, Coordination

- 2023 Spring, four-day block, on-campus, 24 students

### **University of Newcastle, Australia**

#### ARBE6407 Project Closure - Postgraduate, Coordination and Teaching

- 2016 T2, Weekly Lectures, Online, 12 Students
- 2015 T2, Weekly Lectures, Online, 20 Students
- 2014 T2, Weekly Lectures, Online, 24 Students

#### ARBE2309 Construction Procurement and Tendering - Undergraduate, Coordination and Teaching

- 2016 S2, Weekly Lectures, Online & On-campus, 130 Students
- 2015 S2, Weekly Lectures, Online & On-campus, 149 Students

#### ARBE3305 Infrastructure Development - Undergraduate, Coordination and Teaching

- 2015 S2, Weekly Lectures, Online & On-campus, 161 Students
- 2014 S2, Weekly Lectures, Online & On-campus, 158 Students
- 2013 S2, Weekly Lectures, Online & On-campus, 138 Students

#### ARBE4303 Facilities Management - Undergraduate, Coordination and Teaching

- 2016 S2, Weekly Lectures, Online & On-campus, 313 Students
- 2016 S1, Weekly Lectures, Online & On-campus, BCA Singapore only, 9 Students
- 2015 S2, Weekly Lectures, Online & On-campus, 166 Students
- 2014 S2, Weekly Lectures, Online & On-campus, 94 Students
- 2013 S2, Weekly Lectures, Online & On-campus, 146 Students

### **Tsinghua University, China**

#### 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

#### Guest Lecturer - Master of Engineering in International Construction and Project Management

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

## **National University of Singapore, Singapore**

PF2108 Project Cost Management - Undergraduate, Tutor

- 2012/2013 S2, On Campus, Traditional Weekly Teaching Mode, 140 Students
- 2011/2012 S2, On Campus, Traditional Weekly Teaching Mode, 140 Students

## **Chang'an University, China**

Guest Lecturer, On Campus, Blended Teaching and Intensive Block Mode

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

## **Chongqing University, China**

Guest Lecturer - Master of Engineering in International Construction and Project Management

- 2023/2024 S1, Five sessions on PPPs, Online
- 2021/2022 S1, Five sessions on PPPs, Online, 17 Students

## **INTERNAL SERVICE**

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### **University of Newcastle**

- 2015.01 - 2016.08, Member of International and Development Working Group in the School
- 2015.01 - 2016.08, School Student Academic Conduct Officer

### **University of Technology Sydney**

- 2022.06 – 2022.12, Member of Academic Board
- 2022.01 - Current, Member of Faculty Board
- 2021.02 - Current, Short Forms of Learning Coordinator
- 2021.02 - Current, Member of Faculty New Product Committee
- 2021.02 - Current, DAB representative, Faculty Board in Business School
- 2020.01 - Current, Research Associate, Australia-China Relations Institute
- 2019.07 - 2020.12, Director of Postgraduate Project Management Programs
- 2017.07 - 2019.06, Associate Director of Postgraduate Project Management Programs
- 2019.07 - 2022.12, Member of Faculty Curriculum Committee
- 2019.07 - 2022.12, Member of Faculty Teaching and Learning Quality Committee
- 2017.01 - 2018.06, Member of Faculty Student Assessment Review Committee

## **EXTERNAL SERVICE**

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### **Journal Editor**

- 2023 - Current, Australian Editor, International Journal of Project Organisation and Management
- 2023 - Current, Guest Editor, Buildings, SI "Achieving Carbon Neutrality in Urban Infrastructure Development"
- 2022 - Current, Guest Editor, Built Environment Project and Asset Management, SI "Public Private Partnerships: Past, Present and Future"
- 2022 - Current, Editor, Buildings
- 2022 - 2023, Guest Editor, Buildings, SI "Tradition and Innovation in Construction Project Management"
- 2020 - Current, Department Editor, Project Management Journal

## **Member of Editorial Advisory/Review Boards**

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

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

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

#### **Service in the Professional Community**

- 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, Assessor, Australian Research Council, Australia
- 2020 - 2023, Member of CIB, and Communications Coordinator of Working Commission W122 - Public Private Partnership
- 2020 - Current, Assessor, Makerere University Research and Innovations Fund, Uganda
- 2020 - Current, 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 - 2021, Guest Professor, School of Economics and Management, Chang'an University, China
- 2018 - 2021, Contributing Specialist, Research Institute of Governments and Trust Companies, Central University of Finance and Economics, China
- 2018.07 - 2019.01, Visiting Research Director, Jumbo Consulting, Shanghai, China
- 2017 - Current, Member of Standards Australia Committees and Joint Standards Australia / Standards New Zealand Committees (MB012 - Project, Programme and Portfolio Management)
- 2016 - Current, 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