

EDUCATION

- **University College London, UK**
PhD Student, The Bartlett School of Construction and Project management 2019.9-2023.9
- **The University of Hong Kong, Hong Kong SAR**
Research Assistant, Department of Real Estate and Construction 2018.9-2019.9
- **University College London, UK**
MSc, The Bartlett School of Construction and Project management 2017.9-2018.9
- **Huazhong University of Science and Technology, China**
BArch Architecture, School of Architecture and Urban Planning 2012.9-2017.6

RESEARCH INTERESTS

- Intelligent Construction; Industrialised Construction; Platform Strategy; Project Management

PUBLICATIONS

- **Tan, T.**, Mills, G., Papadonikolaki, E., & Liu, Z. (2021). Combining multi-criteria decision making (MCDM) methods with building information modelling (BIM): A review. *Automation in Construction*, 121.
- **Tan, T.**, Lu, W*, Tan, G., Xue, F., Chen, K., Xu, J., Wang, J., and Gao, S. (2020). Construction-oriented design for manufacture and assembly (DfMA) guidelines. *Journal of Construction Engineering and Management*, 148(8), 04020085.
- Lu, W., **Tan, T***, Xu, J., Wang, J., Chen, K., Gao, S., & Xue, F. (2020). Design for Manufacture and Assembly in construction: The old and the new. *Architectural, Engineering and Design Management*. 1-15.
- **Tan, T.**, Chen, K*, Xue, F., & Lu, W. (2019). Barriers to Building Information Modeling (BIM) implementation in China's prefabricated construction: An interpretive structural modeling (ISM) approach. *Journal of Cleaner Production*, 219, 949-959.
- **Tan, T***, Mills, G., Papadonikolaki, E., Lu, W., Chen, K. (2020). BIM-based Design for Manufacture and Assembly: A review. In *27th EG-ICE International Workshop on Intelligent Computing in Engineering (EG-ICE 2020)*.
- Tan, T., Lu, W., Li, C., Chen, K., & Tan, G. (2020, November). Implementation of Design for Manufacture and Assembly (DfMA) Principles in Construction: A Case Study. In *Construction Research Congress 2020: Project Management and Controls, Materials, and Contracts* (pp. 907-915). Reston, VA: American Society of Civil Engineers.
- Xue, F., Lu, W., **Tan, T.**, & Chen, K. (2019). Semantic enrichment of city information models with LiDAR-based rooftop albedo. In *Sustainable Buildings and Structures: Building a Sustainable Tomorrow: Proceedings of the 2nd International Conference in Sustainable Buildings and Structures (ICSBS 2019), October 25-27, 2019, Suzhou, China* (p. 207). CRC Press.
- **Tan, T.**, Chen, K., Lu, W., & Xue, F*. (2019). Semantic enrichment for rooftop modeling using Aerial LiDAR reflectance. In *2019 IEEE International Conference on Signal Processing, Communications and Computing (ICSPCC 2019)*. Sept. 20-23, Dalian, China.

RESEARCH PROJECTS

- UKRI Industrial Strategy Challenge Fund. Transforming Construction Network Plus: Challenging Space Frontiers in Hospitals. Ongoing. (Core member)
- RGC General Research Fund 2018/2019. A derivative-free optimization (DFO) approach to architectural symmetry detection from 3D point clouds. (Core member)

HONORS AND AWARDS

- 2019 UCL CPM Studentship (PhD Full Scholarship)
- 2019 ICSBC Best Paper Award

PROFESSIONAL ACTIVITIES

- Reviewer: Building Research & Information; Engineering, Construction and Architectural Management; KSCE Journal of Civil Engineering; Heliyon; International Journal of Construction Management; Frontiers of Engineering Management; International Journal of Building Pathology and Adaptation