

## WILLIE TAN (Dr)

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*PhD (Urban Planning) Univ of Sydney, MSc(Estate Mgt) NUS, BSc(Land Surveying)(Hons), Univ of Newcastle, Aust*



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**CURRICULUM VITAE**

### ACADEMIC QUALIFICATIONS:

- BSc (Land Surveying) (First Class Hons and University Medal) (1984), University of Newcastle, Australia
- MSc (Estate Mgt) (1989), National University of Singapore (NUS)
- PhD (Urban Planning) (1992), University of Sydney, Australia

### EMPLOYMENT RECORDS:

- Senior Tutor (1986 - 1992), Lecturer (1993 – 1995), Senior Lecturer (1996 – 1997), NUS
- Assistant Professor, NUS (1997 - 2000)
- Associate Professor, NUS (2001 - 2013)
- Professor, NUS (2014 – Present)

### ADMINISTRATIVE LEADERSHIP:

- Head, Department of Building, NUS (2013 – 2019)
- Vice Dean (Academic) School of Design & Environment, NUS (2006 – 2010)
- Member, Board of Undergraduate Studies, NUS (2006 - 2010)
- Member, University Committee for Education Policy (2006 – 2010)
- Program Director, MSc (Project Management) (2003 – 2013, 2019-)
- Co-Director, Center for Project Management & Construction Law (2005 – 2007)
- Brigade Intelligence Office, Singapore Armed Forces (2004 – 2006)

### PROFESSIONAL/CONSULTING ACTIVITIES:

- First Rotational Chair, International Project Management Education Union (2004 – 2005)
- Chair, Site Visit Panels to various universities in Pacific Asia for PMI's Global Accreditation Center
- Chief Judge, Building and Environment Industry Asia Awards (2015 – 2019)
- Expert Witness, High Court of Singapore (2016)
- Consultant, various corporations and governments

### **UNDERGRADUATE TEACHING:**

- PF4305 Green Development
- PF4209 Construction Business Enterprise

### **GRADUATE TEACHING:**

- PM 5105 Development Finance
- PM 5112 Research Methods

### **RESEARCH INTERESTS:**

- Geomatic engineering
- Project finance
- Project management
- Urban management
- Editor, *Journal of Spatial Science; World Scientific Series on the Built Environment*
- Editorial Boards: *International Journal of Project Management, Infrastructure Asset Management, etc*

### **SELECTED PUBLICATIONS:**

- Tan, W. (2021) *Managing infrastructure projects*. World Scientific.
- Shirowzhan, S., Tan, W. and Sepasgozar, S. (2020) *Spatial big data, BIM and advanced construction for smart transformation*. MDPI.
- Shirowzhan, S. Tan, W. and Sepasgozar, S. (2020) Digital twin and cyberGIS for improving connectivity and measuring the impact of infrastructure construction planning in smart cities. *International Journal of Geo-information*, 9(4), 1 – 11.
- Zhang, Y. and Tan, W. (2020) Demolition waste recycling in China: New evidence from a demolition project for highway development. *Waste Management and Research*, 38(6), 696 – 702.
- Tan, W. (2017) *Research methods*. World Scientific.
- Tan, W. (2015) Perspectives on megaprojects. *Construction Economics and Building*, 15(3), 1 – 3.
- Tan, W. (2014) Sustainable financing of rail systems: The case of Singapore. *Infrastructure Asset Management*, 1(3), 1 – 7.
- Tan, W. (2014) Optimization of engineering survey monitoring networks, in Xu HL and Wang XY (eds), *Optimization and control methods in industrial engineering and construction*. Springer, 69 – 84.
- Tan, W. (2014) Feasibility, design, and planning, in R Turner (ed) *Gower Handbook of Project Management*, Gower, 337 – 52.
- Tan, W (2007) *Principles of project and infrastructure finance*. Taylor and Francis.

### **AWARDS:**

- Public Administration Medal (Bronze, 2019)
- NUS Outstanding Educator Award (2013)
- NUS Honor Roll (2013)
- University of Sydney Postgraduate Research Award (1989 – 1992)
- Singapore Government Overseas Undergraduate Scholarship (1981 – 1984)
- University Medal, University of Newcastle (1984)
- Australian Photogrammetric Society Prize (1984)
- Board of Surveyors NSW Medal (1984)