

## LOW SUI PHENG (Dr)

*DSc (Civil Engineering) Birmingham, PhD UCL, MSc (Eng) Birmingham, BSc (Building) (Hons) NUS, Diploma in Building (Merit) Singapore Polytechnic, FCIQB Chartered Construction Manager*



### Professor

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### ACADEMIC & PROFESSIONAL QUALIFICATIONS

- DSc (Civil Engineering) (Higher Doctorate) (2012), University of Birmingham
- FCIQB Chartered Construction Manager (1998) Chartered Institute of Building
- PhD (1990), Bartlett School of Architecture, University College London (UCL)
- MSc (Eng) (1987), School of Civil Engineering, University of Birmingham
- BSc (Building) (Hons) (1985), National University of Singapore
- Diploma in Building (Merit) (1979), Singapore Polytechnic

### EMPLOYMENT RECORDS

Professor (1 Jan 2004 – Present), Associate Professor (1999-2003), Senior Lecturer (1994-98), Lecturer (1991-93), Senior Tutor (1985-90) NUS

### ADMINISTRATIVE LEADERSHIP

- Director, Centre for Project Management & Construction Law, NUS, 2013 – 2017
- Head, Department of Building, NUS, 4th Quarter 2007
- Vice Dean (Academic, Research, Administration & Finance), SDE, NUS, 1999-2006
- Program Director, BSc (Building) program, 1995-99
- Other university appointments: NUS Senate Panel for Student Discipline (2007-present), Disciplinary Appeals Board, Chair of Faculty Promotion & Tenure Committee (FPTC), NRF University Innovation Fund Working Committee, University Committee on Educational Policy (UCEP), Board of Undergraduate Studies (BUS), National Education Committee (NEC), NUS Overseas Colleges (NOC) Steering Committee, Board of Graduate Studies (BGS), University Research Committee (URC), various years

## **PROFESSIONAL/CONSULTING ACTIVITIES**

- Program External Examiner: Singapore Polytechnic, Ngee Ann Polytechnic, UNISIM/SUSS, University of Malaya, International University of Malaya-Wales, UiTM, UTAR, various years
- External Assessor: Research Grants Council (HK), University Grants Committee (HK), Research Office (CUHK), National Natural Science Foundation (China), National Research Foundation (South Africa), High Impact Research Unit (UM), Research Unit (KFUPM, Saudi Arabia), Australian Research Council, various years
- PhD External Examiner: Sydney, UM, UiTM, QUT, USM, SCU, UTM, HKPU, NTU, UKM, UNiSA, UNSW, UTS, Curtin, NMMU, UPM, UTAR, IUMW, UTHM, UPSI, USQ, University of Hong Kong, various years
- External Academic Reviewer: Southern Alberta Institute of Technology, Northern Alberta Institute of Technology, Saskatchewan Polytechnic, Canada, various years
- Others: Subject Matter Expert (Productivity), CIDB (Malaysia) (2021-2022); Member of Advisory Committees, Singapore Polytechnic (2006 – 2021); BCA Academy (2011 - 2019); Member, Valuation Review Board, Ministry of Finance (2006-12); Singapore Representative, Chartered Institute of Building (1992-97)
- Consultant to various institutions, associations, companies and local/overseas governments, various years

## **UNDERGRADUATE TEACHING**

- PF2502 Development Technology and Management
- PF2203 Quality and Productivity Management
- PF1101A Project Management & Finance (Common curriculum course for all CDE students)

## **GRADUATE TEACHING**

- PM5101 Project Management

## **RESEARCH INTERESTS**

- Construction Quality and Productivity
- International Construction and Project Management
- Editorial Boards: IJCM, IJPPM, JCHRM, RICS Research Papers Series, ICE MPL Proceedings, etc. various years

## **SELECTED PUBLICATIONS (2017-2026)**

- Low S P (2017) Cases of project failure, project success and lean project management in Singapore, *In Proceedings of the International Conference on Construction Project Delivery Methods and Quality Ensuring Systems*, S Furusaka et al. (eds), Ritsumeikan University and Kyoto University, 17-18 November 2017, pp1-11 (invited paper with all expenses paid by host).
- Low S P (2018) *Project Management for the Built Environment. Study Notes*, Springer.

- Low S P, S Gao and Ng E W L (2019) Future-ready project and facility management graduates in Singapore for Industry 4.0: Transforming mindsets and competencies, *Engineering, Construction and Architectural Management*, 28(1), DOI: <https://doi.org/10.1108/ecam-08-2018-0322>.
- Gao S, S P Low and G Ong (2020) Understanding the low adoption of prefabricated prefinished volumetric construction (PPVC) among SMEs in Singapore: from a change management perspective, *International Journal of Building Pathology and Adaptation*, 39(5), DOI: <https://doi.org/10.1108/IJBPA-08-2020-0070> (Outstanding Paper Award).
- Low S P, S Gao and S K Ng (2021) The adoption of mass-engineered timber (MET) in the Singapore construction industry: Barriers and drivers. *Journal of Cleaner Production*, 327 DOI: <https://doi.org/10.1016/j.jclepro.2021.129430>.
- Gao S, S P Low and Q Z Y Yeo (2022) Exploring the drivers and barriers to lifelong learning in Singapore's construction industry, *Journal of Education and Work*, 35, DOI: <https://doi.org/10.1080/13639080.2022.2048252>.
- Gao S, S P Low and C W Ling (2023) Adopting Lean Management principles for renovation projects, *Journal of Architectural Engineering*, <http://doi.org/10.1061/JAEIED.AEENG-1600>.
- Peh L L C, S P Low and A Chan (2024) Post-occupancy evaluation (POE) of high-rise flats built using prefabricated prefinished volumetric construction (PPVC), *International Journal of Building Pathology and Adaptation*, <https://doi.org/10.1108/IJBPA-07-2024-0144>.
- Gao S, S P Low and B K F Peh (2025), Receptiveness of mass-engineered timber (MET) residential buildings among young stakeholders, *Smart and Sustainable Built Environment*, 14(3), pp. 696-714. <https://doi.org/10.1108/SASBE-02-2023-0040>.
- Low S P, S Gao and B K F Peh (2026) Drivers and barriers influencing young stakeholders' acceptance of engineering timber residential buildings based on the Technology Adoption Model, Book Chapter (Chapter 1) in V Laovisutthichai (Ed.) *Integrated perspectives in offsite construction*, Routledge, Oxon, pp.3-26.

## AWARDS

- **Best Paper Awards:** Best Paper Award (12th APICE-BS) 2024; Outstanding Paper Award (Emerald) 2022; Best Paper Award (19-ICIT) 2015; Excellent Paper Award (CRIOCM) 2014; Innovative Paper Award (ICBMS, with Deng XP) 2011; Innovative Paper Award (ICBMS, with Supriadi L) 2011; Best Paper Award (ICPFM) 2011; Best Paper Award (CIB) 2003; Best Paper Award (5-ICIT) 2000; Best Paper Award (RISM) 1999 and 2000; Most Outstanding Paper Award (Literati) 1998.
- **Teaching Excellence Awards:** NUS Honor Roll 2020-2024; NUS Annual Teaching Excellence Awards 2004/05, 2016/17, 2017/18, 2018/19; SDE Honor Roll 2020-2024; SDE Teaching Excellence Awards 2002/03, 2003/04, 2007/08, 2015/16, 2016/17, 2017/18, 2018/19; NUS Excellent Teacher 2001/02, 2002/03.
- **Other Notable Awards & Recognitions:** Stanford University World's Top 2% Scientists (2021-present); Outstanding Project Manager Award (Society of Project Managers) 2021; Ministry of National Development (MND) Medallion for Distinguished Service 2019; Outstanding Reviewer Award (Elsevier) 2015, 2018; Outstanding Alumni Service to Singapore Polytechnic Award 2014; Honorary Fellowship (SIET) 2013; Outstanding Reviewer Award (Emerald) 2013; Higher Doctorate (University of Birmingham) 2012; Donald S Barrie Award (PMI, with Faisal M Arain) 2005; Sir Christopher Cox Memorial

Award (New College, University of Oxford) 1989; High Point Rendell Group Prize in Construction Management (University of Birmingham) 1988; SICC City Commemoration Prize 1981; SMA Gold Medal 1980; CIOB Book Prize, Chartered Institute of Building 1980.

- **Scholarships:** NUS Overseas Graduate Scholarship 1987-90; ODASS UK Scholarship (British Council) 1986; Datuk Wee Kheng Chiang (UOB) Memorial Scholarship NUS 1984; SCCC Foundation Scholarships 1978, 1982, 1983.

(Updated July 2026)