

Curriculum Vitae



Associate Professor Luke Peh Lu Chang

Vice Dean

School of Science and Technology

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Education Qualifications

2011	PhD (Building), National University of Singapore
2005	B.Sc. (Building) (Hons), National University of Singapore

Academic and Professional Experience

2015 - Present	Vice Dean, School of Science and Technology
2016 - 2019	Chair/Co-Chair, Internal Audit Committee
2010 - 2018	Head of Programme (Facilities & Events Management)
2012 - 2013	Head of Programme (Building & Project Management)
2007 - 2010	Research Assistant and PhD Candidate, NUS
2006 - 2007	Operations Manager, Union Concept Manufacturers
2005 - 2006	Project and Sales Engineer, Dorma Far East

Memberships and Professional Activities

- Member, International Facility Management Association
- Member, Fire Safety Managers' Association

Consultancy and Executive Experience

- Consultancy team member for evaluating the effectiveness of e-learning in Home Team Academy (HTA)
- Reviewer for Singapore Polytechnic's Hotel and Leisure Facilities Management Diploma programme

Research Interests

- Construction Economics and Management
- Integrated Digital Delivery
- High-Performance Well, Green, Universal Design and Smart Buildings

- Case Studies
- EdTech, Action Learning and Adaptive Learning

Selected Publications

- Liu, Z.W. Wang, Q. Gan, V. Peh, L. C and Sun, K.M. (2020). Envelope Thermal Performance Analysis based on Building Information Model (BIM) Cloud Platform – Proposed Green Mark Collaboration Environment. *Energies* 2020, 13(3), p.586. doi: 10.3390/en13030586.
- Li, J.Z. Low, W.P. Thiagarajan, L.B. and Peh, L.C. (2019). Data Analytics for Student Profiling and Academic Counselling. *Ascilite 2019 Personalized Learning. Diverse Goals. One Heart Conference*, 2nd December - 5th December 2019, Singapore.
- Peh, L.C. Toor, S. and Leong, J. (2019). The Role of Scientific Terminology and Metaphors in Management Education. *European Journal of Social Sciences Education and Research*, Vol 6, pp. 33-43. Conference Paper presented at the 18th International Conference of Social Sciences, 17-18 May 2019, Lisbon, Portugal.
- Liu, Z.W. Lu, Y.J. and Peh, L.C. (2019). A Review and Scientometric Analysis of Global Building Information Modelling (BIM) Research in the Architecture, Engineering and Construction (AEC) Industry. *Buildings* 2019, 9(10), p.210. doi: 10.3390/buildings9100210.
- Liu, Z.W. Chen, K.Y. Peh, L. and Tan, K.W. (2017). A feasibility study of Building Information Modeling for Green Mark New Non-Residential Building (NRB): 2015 analysis. *Energy Procedia*, Vol.143, pp. 80-87. Conference paper presented at the World Engineers Summit – Applied Energy Symposium & Forum: Low Carbon Cities & Urban Energy Joint Conference, 19-21 July 2017, Singapore.
- Goh, J. and Peh, L. (2017). The Challenge of Building & Sustaining a Green School in Singapore – UNCSEA's Corporate Sustainability Journey. *Case and Teaching Notes. Case Centre*.
- Peh, L.C. Low, S.P. and Adi, I. (2015). Regionalization Strategies of Singapore's Architectural, Engineering and Quantity Surveying Consultancy Firms: An Overview. *International Surveying Research Journal (ISRJ)*, pp. 27-42.
- Peh, L.C. and Low, S.P. (2013). *Organization Design for International Construction Business*. Springer.
- Peh, L.C. and Low, S.P. (2012). Case-based Reasoning Decision Support System for Architectural and Engineering Firms. *Creative Construction Conference*, 30th June – 3rd July 2012, Budapest, Hungary.
- Low, S. P. and Peh, L.C. (2011) Using Case-based Reasoning Decision Support System (CBRDSS) for Organization Design by International Construction Firms, Chapter in Book, Rashid, K. A. et al. (Eds.) *International Readings in Construction Business and Marketing*, IIUM Press, pp. 307-360.
- Low, S. P. and Peh, L.C. (2010). The Importance of Physical Presence in Overseas Markets: Sharing of Experiences from Singapore's Domiciled Construction-related Companies in Regional Markets. *Journal for The Singapore Engineer*, February 2010, pp. 28-31.

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