

Joseph H.L. Chan
Division of Science, Engineering and Health Studies (SEHS)
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Research interests

Construction Procurement Management;
Construction Project Management;
Construction Risk Management;
Green Labelling Scheme in Construction Industry;
Guaranteed Maximum Price (GMP) and Target Cost Contracting (TCC);
Property Management;
Relational and Collaborative Contracting

Qualifications

Doctorate, Doctor of Philosophy, The Hong Kong Polytechnic University
Award Date: 29 Oct 2011
Master, Master in Project Management, The Hong Kong Polytechnic University
Award Date: 23 Oct 2008
Bachelor, BSc(Hons) in Construction Economics and Management, Hong Kong Polytechnic University
Award Date: 3 Dec 2005
2014 → ... Member of the Hong Kong Institute of Project Management, MHKIPM
2009 → ... Professional Member of Royal Institution of Chartered Surveyors, MRICS
2009 → ... Professional Member of the Hong Kong Institute of Surveyors , MHKIS

Employment

Division of Science, Engineering and Health Studies (SEHS)
College of Professional and Continuing Education (CPCE)
25 Aug 2014 → present

Research outputs

Aging in Place in Hong Kong and Its Implications for Sustainable Development: A Qualitative Study Exploring the Needs, Beliefs, Behaviors, and Well-Being of Older Adults through Self-Determination Theory and Social Cognitive Theory
Lee, S. W., Xu, J., Wut, T. M. E., Lau, Y. Y. J., Chan, J. H. L., Liu, T. S. M., Mok, W. Y. L. & Chan, J. K. Y., 19 Apr 2024, In: Sustainability (Switzerland). 16, 8, p. 3447

Development of a Composite Project Performance Index for the New Engineering Contract (NECPPI) of construction projects in Hong Kong: a Delphi study
Yeung, J. F. Y., Chan, D. W. M., Chan, J. H. L. & Lok, K. L., 27 Jul 2022, In: International Journal of Construction Management. 23, 16, p. 2804-2817 14 p.

Developing an analytic hierarchy process-based decision model for modular construction in urban areas
Sing, M., Chan, J., Liu, H. & Ngai, N. N. H., 3 Sept 2021, In: Journal of Engineering, Design and Technology. 21, 4, p. 1212-1229 18 p.

A research framework for developing a holistic performance evaluation model for construction projects procured by the New Engineering Contract (NEC)

Yeung, J. F. Y., Chan, D. W. M., Chan, H. L. J. & Lok, L. K. L., 2021, *Proceedings of the Fifth Coventry University Construction Conference 2021 (CCC 2021): Exploring the Contemporary Issues and Challenges in the Construction Industry, 17 March 2021, School of Energy, Construction and Environment, Coventry University, Coventry, United Kingdom, Conference Booklet and Book of Abstracts, Page 52.*

Current trends of developing energy efficiency projects in the building sector of China

Chan, J. H. L. & Chan, T. Y. M., 1 Jan 2020, *Sustainable Energy and Green Finance for a Low-carbon Economy: Perspectives from the Greater Bay Area of China*. Springer International Publishing, p. 227-244 18 p.

Public health in the context of environment and housing

Chan, J. H. L. & Ma, C. C., 1 Jan 2020, *Primary Care Revisited: Interdisciplinary Perspectives for a New Era*. Springer Singapore, p. 295-310 16 p.

A Review of the Performance of the Price Premium of “Green Buildings” – A Hedonic Price Model Approach

Sing, M. & Chan, H. L. J., Apr 2019, *Proceeding of International Conference on Civil, Architecture and Marine Engineering, Osaka, Japan*.

Pilot case study of new engineering contracts (NECs) in Hong Kong—Joy or tears?

Chan, D. W. M. & Chan, J. H. L., 2018, *Proceedings of the 21st International Symposium on Advancement of Construction Management and Real Estate*. Chau, K. W., Chan, I. Y. S., Lu, W. & Webster, C. (eds.). Springer, p. 1103-1111 9 p. (Proceedings of the 21st International Symposium on Advancement of Construction Management and Real Estate, 2016; vol. 0).

Environmental impacts of construction material production

Thomas, S. T., Chan, J. H. L., Chan, G. K. C. & Zou, J. W. W., 2017, In: *Proceedings of the Institution of Civil Engineers: Engineering Sustainability*. 170, 3, p. 169-184 16 p.

Target Cost Contracting Strategy in Construction: Principles, Practices and Case Studies

Chan, D. & Chan, J., 2017, 1 ed. UK: Routledge of the Taylor & Francis Group. 172 p.

Developing a fuzzy risk assessment model for guaranteed maximum price and target cost contracts in South Australia

Chan, D. W. M., Chan, J. H. L. & Ma, T., 30 Sept 2014, In: *Facilities*. 32, p. 624-646 23 p.

New Engineering Contracts (NECs) in Practice - Empirical Evidence from a Pilot Case Study in Hong Kong

Chan, J., Chan, D. & Clifford, B., 2014, In: *Construction Law Journal*. 30, 4, p. 217-235

Is Labelling the Way Forward to Delineate Green Construction Materials?

Ng, S. T. & Chan, H. L. J., 2013, *Proceeding of the Annual Seminar of the Hong Kong Institution of Engineers (HKIE) Environmental Division, 2013*. p. 55 64 p.

Search for Key Performance Indicators (KPIs) for Target Cost Contracts in Hong Kong

Chan, H. L. J., 2013, *Proceedings of The Second World Construction Symposium 2013 on Socio-Economic Sustainability in Construction: Practice, Policy and Research (WCS 2013), 14-15 June 2013, Colombo, Sri Lanka*. p. 379 388 p.

A comparative study of the benefits of applying target cost contracts between South Australia and Hong Kong

Chan, D. W. M., Lam, P. T. I., Chan, J. H. L., Ma, T. & Perkin, T., Apr 2012, In: *Project Management Journal*. 43, 2, p. 4-20 17 p.

Risk mitigation strategies for guaranteed maximum price and target cost contracts in construction: A factor analysis approach

Chan, J. H. L., Chan, D. W. M., Chan, A. P. C. & Lam, P. T. I., 17 Feb 2012, In: *Journal of Facilities Management*. 10, 1, p. 6-25 20 p.

Application of target cost contracts and guaranteed maximum price contracts in the construction industry of Hong Kong
Chan, J. H. L., Chan, D. W. M. & Lam, P. T. I., 2012, *Joint Ventures in Construction 2: Contract, Governance, Performance and Risk*. p. 185-200 16 p. (Joint Ventures in Construction 2: Contract, Governance, Performance and Risk).

Developing a Performance Measurement Index (PMI) for Target Cost Contracts in Construction: A Delphi Study
Chan, D. & Chan, J., 2012, In: *Construction Law Journal*. 28, 8, p. 590-611

Preferred risk allocation in target cost contracts in construction

Chan, J. H. L., Chan, D. W. M., Lam, P. T. I. & Chan, A. P. C., Oct 2011, In: *Facilities*. 29, 13, p. 542-562 21 p.

Risk ranking and analysis in target cost contracts: Empirical evidence from the construction industry

Chan, D. W. M., Chan, A. P. C., Lam, P. T. I., Yeung, J. F. Y. & Chan, J. H. L., Aug 2011, In: *International Journal of Project Management*. 29, 6, p. 751-763 13 p.

Developing a fuzzy risk assessment model for guaranteed maximum price and target cost contracts in construction

Chan, J. H. L., Chan, D. W. M., Chan, A. P. C., Lam, P. T. I. & Yeung, J. F. Y., 22 Feb 2011, In: *Journal of Facilities Management*. 9, 1, p. 34-51 18 p.

Key Risk Factors and Risk Mitigation Measures for Target Cost Contracts in Construction - A Comparison between the West and the East

Chan, J., Chan, D. & Lord, W., 2011, In: *Construction Law Journal*. 27, 6, p. 441-458

A critical study of risk allocation in guaranteed maximum price and target cost contracts in Hong Kong

Chan, J. H. L., Chan, D. W. M. & Lam, P. T. I., 2010, *Proceedings of the 2nd International Postgraduate Conference on Infrastructure and Environment, IPCIE 2010*. p. 205-215 11 p. (Proceedings of the 2nd International Postgraduate Conference on Infrastructure and Environment, IPCIE 2010; vol. 1).

A Research Framework for Developing a Performance Evaluation Model for Target Cost Contracts in Construction

Chan, D. W. M., Chan, A. P. C., Lam, P., Yeung, J. F. Y. & Chan, H. L. J., 2010, *Proceedings of the Fifth Scientific Conference on Project Management (PM-05) - Advancing Project Management for the 21st Century: Concepts, Tools and Techniques for Managing Successful Projects, 29-31 May 2010, Heraklion, Crete, Greece*. p. 141 151 p.

Exploring the Key Risks and Risk Mitigation Measures for Guaranteed Maximum Price and Target Cost Contracts in Construction

Chan, D., Chan, A., Lam, P. & Chan, J., 2010, In: *Construction Law Journal*. 26, 5, p. 364-378

A research framework for exploring risk allocation mechanisms for target cost contracts in construction

Chan, D. W. M., Chan, A. P. C., Lam, P. T. I., Chan, J. H. L., Hughes, W. & Ma, T., 2008, *Proceedings of CRIOCM 2008 International Research Symposium on Advancement of Construction Management and Real Estate*. Feng, C.-C., Yu, M.-X. & Zhao, Z.-Y. (eds.). The Hong Kong Polytechnic University, p. 289-296 8 p. (Proceedings of CRIOCM 2008 International Research Symposium on Advancement of Construction Management and Real Estate).

Will the Traditional Procurement System be still Dominant in the Construction Industry of Hong Kong?

Chan, D. W. M. & Chan, H. L. J., Aug 2007, p. 561. 575 p.

Activities

Nurturing the Next Generation of Surveyors: Enhancing Learning Process through Off-site Experiential Learning

Chan, J. H. L. (Speaker) & Wong, K. W. K. (Speaker)

29 May 2024

External Member of Quality Review of Centre of Learning and Teaching, Vocational Training Council (VTC)

Chan, J. H. L. (External Member)

2024 → ...

Panel Member, 優秀從業員選舉, 物業管理周2024

Chan, J. H. L. (Panel Member)

2024

Assessor, Assessment for Professional Competence, the Hong Kong Institute of Surveyors (HKIS)

Chan, J. H. L. (Assessor)

2023 → 2024

Assessor, Assessment of Professional Competence, Royal Institution of Chartered Surveyors (RICS)

Chan, J. H. L. (Assessor)

2023 → 2024

Chairperson, Programme Planning Committee for BSc(Hons) in Property Technology Management

Chan, J. H. L. (Chairperson)

2023 → 2024

Council Member, Quantity Surveying Division, the Hong Kong Institute of Surveyors (HKIS)

Chan, J. H. L. (Member)

2023 → 2024

Course Leader, Professional Certificate in Property and Asset Management I (CE Course)

Chan, J. H. L. (Programme Leader)

2023 → 2024

Deputy Course Leader, Certificate in Building Quality Inspection (CE Course)

Chan, J. H. L. (Assistant Programme Leader)

2023 → 2024

Honorary Editor, the Hong Kong Institute of Surveyors (HKIS)

Chan, J. H. L. (Editor)

2023 → 2024

Member, Assessment Panel, HKIS Outstanding Dissertation Award 2023

Chan, J. H. L. (Panel Member)

2023 → ...

Member, Research Committee, the Hong Kong Institute of Surveyors (HKIS)

Chan, J. H. L. (Member)

2023 → 2024

Member, SEHS Divisional Management Committee

Chan, J. H. L. (Member)

2023 → 2024

Member, SEHS Divisional Programme Committee

Chan, J. H. L. (Member)

2023 → 2024

Programme Leader, Associate in Surveying and Built Environment

Chan, J. H. L. (Programme Leader)

2023 → 2024

Programme Leader, BSc(Hons) in Property and Asset Management

Chan, J. H. L. (Programme Leader)
2023 → 2024

WIE Advisor, BSc(Hons) in Property and Asset Management

Chan, J. H. L. (WIE Advisor)
2023 → 2024

Assessor, Assessment of Professional Competence, Royal Institution of Chartered Surveyors (RICS)

Chan, J. H. L. (Assessor)
2022 → 2023

Assessor, Assessment of Professional Competence, the Hong Kong Institute of Surveyors

Chan, J. H. L. (Assessor)
2022 → 2023

Council Member, Quantity Surveying Division, the Hong Kong Institute of Surveyors

Chan, J. H. L. (Committee Member)
2022 → 2023

Deputy Course Leader, Certificate in Building Quality Inspection (CE Course)

Chan, J. H. L. (Assistant Programme Leader)
2022 → ...

Honorary Editor, the Hong Kong Institute of Surveyors

Chan, J. H. L. (Editor)
2022 → 2023

Member, Programme Planning Committee for HKIS Accreditation (BSc(Hons) in Property and Asset Management)

Chan, J. H. L. (Committee Member)
2022

Member, Research Committee, the Hong Kong Institute of Surveyors

Chan, J. H. L. (Committee Member)
2022 → 2023

Member, SEHS Divisional Management Committee

Chan, J. H. L. (Committee Member)
2022 → 2023

Member, SEHS Divisional Programme Committee

Chan, J. H. L. (Committee Member)
2022 → 2023

Programme Leader, Associate in Surveying and Built Environment

Chan, J. H. L. (Programme Leader)
2022 → ...

Programme Leader, BSc(Hons) in Property and Asset Management

Chan, J. H. L. (Programme Leader)
2022 → ...

WIE Advisor, BSc(Hons) in Property and Asset Management

Chan, J. H. L. (Advisor)

2022 → ...

Member, CPCE Campus Committee

Chan, H. L. J. (Academic Advisor)

1 Mar 2021 → 30 Jun 2021

Assessor, Assessment of Professional Competence, Royal Institution of Chartered Surveyors (RICS)

Chan, H. L. J. (Academic Advisor)

2021 → 2022

Assessor for Assessment of Professional Competence, the Hong Kong Institute of Surveyors

Chan, H. L. J. (Other)

2021 → 2022

Award Leader, BSc(Hons) in Property and Asset Management

Chan, H. L. J. (Programme Leader)

2021 → 2022

Council Member, Quantity Surveying Division, the Hong Kong Institute of Surveyors

Chan, H. L. J. (Member)

2021 → 2022

Deputy Course Leader, Certificate in Building Quality Inspection (CE Course)

Chan, J. H. L. (Academic Advisor)

2021

Honorary Editor, the Hong Kong Institute of Surveyors

Chan, H. L. J. (Editor)

2021 → 2022

Member, Programme Planning Committee for Associate in Surveying and Built Environment

Chan, H. L. J. (Member)

2021 → 2022

Member, Research Committee, the Hong Kong Institute of Surveyors

Chan, H. L. J. (Member)

2021 → 2022

Programme Leader, BA(Hons) in Housing Management

Chan, H. L. J. (Programme Leader)

2021 → ...

Subject Leader of various subjects

Chan, H. L. J. (Subject Leader)

2021 → 2022

WIE Advisor for BSc(Hons) in Property and Asset Management

Chan, H. L. J. (Other)

2021 → 2022

Member, CPCE Campus Committee

Chan, H. L. J. (Academic Advisor)

1 Mar 2020 → 1 Mar 2021

Assessor, Assessment of Professional Competence, Royal Institution of Chartered Surveyors (RICS)

Chan, H. L. J. (Academic Advisor)

2020 → 2021

Assessor for Assessment of Professional Competence, the Hong Kong Institute of Surveyors

Chan, H. L. J. (Other)

2020 → 2021

Council Member, Quantity Surveying Council, the Hong Kong Institute of Surveyors

Chan, H. L. J. (Member)

2020 → 2021

Honorary Editor, the Hong Kong Institute of Surveyors

Chan, H. L. J. (Editor)

2020 → 2021

Member, Research Committee, the Hong Kong Institute of Surveyors

Chan, H. L. J. (Member)

2020 → 2021

Member, CPCE Committee

Chan, H. L. J. (Academic Advisor)

1 Mar 2019 → 1 Mar 2020

Assessor, Assessment of Professional Competence, Royal Institution of Chartered Surveyors (RICS)

Chan, H. L. J. (Academic Advisor)

2019 → 2020

Council Member, the Quantity Surveying Division, the Hong Kong Institute of Surveyors

Chan, H. L. J. (Other)

2019 → 2020

Honorary Editor, the Hong Kong Institute of Surveyors

Chan, H. L. J. (Other)

2019 → 2020

Member of Assessment Panel, HKIS Outstanding Dissertation Awards 2019 (the Hong Kong Institute of Surveyors)

Chan, H. L. J. (Other)

2019 → 2020

Co-opted Council Member, the Quantity Surveying Division, the Hong Kong Institute of Surveyors

Chan, H. L. J. (Other)

2018 → 2019

Honorary Editor, the Hong Kong Institute of Surveyors

Chan, H. L. J. (Other)

2018 → 2019

Member of the consulting team commissioned by the Development Bureau, on the Provision of Consultancy Study on Review and Enhancement on the Estimating Using Risk Analysis

Chan, H. L. J. (Consultant)

2018 → ...

Honorary Editor, the Hong Kong Institute of Surveyors

Chan, H. L. J. (Other)
2017 → 2018

Assessor of Assessment of Professional Competence (APC) of the Hong Kong Institute of Surveyors (HKIS) (Quantity Surveying Division)

Chan, H. L. J. (Other)
2014 → ...

Prizes

Project Management Achievement Awards (2015) organized by the Hong Kong Institute of Project Management (HKIPM) Category F (Research) Winner Project Title: Evaluating the Key Risk Factors and Risk Sharing Mechanisms for Target Cost Contracting (TCC) Schemes in Construction Research Team Leader: Dr Daniel Chan Research Team Members: Prof Albert Chan, Dr Patrick Lam, Dr Joseph Chan Overseas Research Collaborators: Mr Wayne Lord (UK) and Dr Tony Ma (Australia)

Chan, H. L. J. (Recipient), 2015