

Yiu Sze Nga, Nicole (姚詩雅)

BSc(Hons), MSc, PhD, RSO, RSA

Teaching Fellow in Occupational Safety and Health

*Programme Leader of BSc (Hons) in Environmental and Occupational Safety and Health (EOSH),
Chairman of Departmental Health & Safety Committee, Summer Placement Officer (EOSH), Member of
Departmental Programme Committee, Member of Departmental Partnership Committee*

Teaching Areas

- CSE374 Environmental and Safety & Health Legislation
- CSE375 Construction Safety
- CSE376 Safety Technology
- CSE377 Occupational Health and Hygiene
- CSE464 Ergonomics and Human Factors
- CSE39480 Human Health and Environment
- CSE3D01 How Safe are We at Work? (CAR Subject with ERR and EWR)
- CSE3S01 Built Environment Enhancement for Underprivileged Communities (Service Learning Subject)

Awards

- High Commendation Award (2019 Hong Kong Professional Excellent in Building Awards - Student Achievement) by the Australian Institute of Building (06/2019)
- Runner-up Award of the Student Project Competition 2018 (named as CIC Award) by the Hong Kong Institution of Engineers (Safety Specialist Committee) (01/2019)
- Best Project Scholarship Winner by the Occupational Safety and Health Council (01/2019)
- The IIER Excellent Paper Award presented by International Institute Engineers & Researchers (12/2017)
- Best Project Award 2012 presented by Occupational Safety & Health Council (12/2012)
- The Merit Award (Master Degree Group) of Construction Management Award 2012 presented by Hong Kong Institute of Construction Management (09/2012)
- Dean's Honours List 2007 by The Hong Kong Polytechnic University (11/2007)

Students' Achievements (In the Capacity as project supervisor)

- Wong Ka Ying received the Merit Award of IOSH Student Research Project Competition 2019-20
- Yau Hok Ching received the First Place Award of IOSH Student Research Project Competition 2018-19
- Chan Kwan Chau received the Merit Award of IOSH Student Research Project Competition 2017-18

- Ko Ming Ki received the First Place Award of IOSH Student Research Project Competition 2016–17

Teaching and Learning Development Projects/ Funding Schemes

In the Capacity as Project Leader

- Community of Practice: Academic Advising (CoP: AA) on ‘Study Plan’ and ‘Career Planning’ (CoP: AA – Academic Advising Funding AY 17/18) (2018 – 2019)
- Discipline-specific English Bridging Course for Senior Year Students (PolyU Teaching Development and Language Enhancement Grant 2016-19) (2017 – 2018)
- Benchmarking of EESD and EOSH Programmes Regarding the Structure and Curriculum Content of Teaching and Learning in Department of Civil and Environmental Engineering (CEE Departmental Teaching and Learning Development Project Fund 2016-17) (2016 – 2017)

Selected Publications

Journal Articles

- Yiu, N.S.N., Chan, D.W.M., Sze, N.N., Shan, M. and Chan, A.P.C. (2019). Implementation of Safety Management System for Improving Construction Safety Performance: A Structural Equation Modelling Approach. *Buildings*. Volume 9(4), pages 89-110.
- Yiu, N.S.N., Chan, D.W.M., Shan, M. and Sze, N.N. (2019). Implementation of Safety Management System in Managing Construction Projects: Benefits and Obstacles. *Safety Science*. Volume 117, August, pages 23-32.
- Tsang, D.C.W., Khoo, L.B.L, Yu, I.K.M., Yiu, N.S.N. (2018). International Service Learning Project on Environmental Improvement and Sustainable Development for Nepal Earthquake Relief. *International Journal of Information and Education Technology*, Volume 8, Issue 12, pages 897-903.
- Tsang, D.C.W., Yu, I.K.M., Khoo, L.B.L, Lai, W.W.L., Yiu, N.S.N. and Leung, Y.F. (2018). Using Problem-based Project to Enhance Students’ Learning Experience. *International Journal of Learning and Teaching*, Volume 4, Issue 4, pages 271-276.
- Yiu, N.S.N. and Chan, D.W.M. (2018). Project Characteristics Indicating Safety Performance. *International Journal of Engineering and Technology*, Volume 7, Issue 3.29, Special Issue 29, August, pages 110-114.
- Yiu, N.S.N. and Chan, D.W.M. (2018). In-depth Investigation of Safety Management System in Hong Kong Construction Industry - Literature Review and Research Agenda. *International Journal of Advances in Mechanical and Civil Engineering*, Volume 5, Issue 1, February, pages 6-10.
- Yiu, N.S.N., Sze, N.N. and Chan, D.W.M. (2018). Implementation of Safety Management Systems in Hong Kong Construction Industry – A Safety Practitioner's Perspective. *Journal of Safety Research*. Volume 64, February, pages 1-9.

- Yiu, N.S.N. and Chan, D.W.M. (2016). A Taxonomic Review of the Application of Safety Management Systems in Construction. *Ecology and Safety, Journal of International Scientific Publications*, Volume 10, June, pages 394-408.

Conference Papers

- Yiu, N.S.N. and Chan, D.W.M. (2018). "Competency Profiles for the Implementation of Safety Management System – A Case Study in Hong Kong Construction Sector" published at the proceedings of the Construction, Building and Real Estate Research Conference of the Royal Institution of Chartered Surveyors (RICS COBRA) 2018, 23-24 April 2018, London, United Kingdom.
- Yiu, N.S.N., Tsang, D. C.W. (2018). "Quality Assurance by International Benchmarking Occupational Safety and Health Programmes at Undergraduate Level" published at the Hong Kong International Conference on Education, Psychology and Society 2018 (HKICEPS 2018), 22-24 January 2018, Hong Kong, China.
- Tsang, D. C.W., Yiu, N.S.N., Leung, Y.F., Lai, W.L. "How to Enhance Engineering Students' Learning Experience by Problem-based Project in a Large Class" published at the Hong Kong International Conference on Education, Psychology and Society 2018 (HKICEPS 2018), 22-24 January 2018, Hong Kong, China.
- Yiu, N.S.N. and Chan, D.W.M. (2017). "In-depth Investigation of Safety Management System in Hong Kong Construction Industry – Literature Review and Research Agenda" published at the International Conference on Science, Innovation and Management 2017 (ICSIM 2017), 27-28 December 2017, Hong Kong, China.

Book Chapter

- Yiu, S.N. (2012). A study on factors contributed to the promotion from safety supervisors to safety officer in a construction company in Hong Kong. In K.Y. Kwok, (1st Ed.), *The qualification and performance of occupational health & safety personnel: ensuring occupational health and safety for workers* (pp. 9–26). Hong Kong: VTP (ISBN 978-988-16219-9-3)

Invited Presentation

- Invited Guest Speaker for Occupational Hygiene Technical Conference 2019 entitled "Incorporating Motivation Factors into the Safety Management System" organized by the Hong Kong Institute of Occupational and Environmental Hygiene launched on 27 April 2019 at The Hong Kong Polytechnic University, Hong Kong, China.
- Invited Guest Speaker for the 33rd Asia Pacific Occupational Safety and Health Organization Conference (APOSHO 33) entitled "Driving OSH excellence through communication and collaboration" organized by the Institution of Occupational Safety and Health (IOSH) launched

on 4 and 5 December 2018 at Royal Plaza Hotel, Kowloon, Hong Kong, China.

- Invited Guest Speaker for the Annual Safety Seminar 2018 entitled “Review on Registered Safety Officer System” organized by the Society of Registered Safety Officers (SRSO) launched on 8 June 2018 at Royal Plaza Hotel, Kowloon, Hong Kong, China.
- Invited Guest Speaker for Occupational Hygiene Technical Conference 2017 entitled “Competency Profile for Occupational Safety and Health (OSH) – The Case of Hong Kong Construction Industry” jointly organized by launched on 6 May 2017 at the Hong Kong Polytechnic University, Hong Kong, China.

Selected Industry Experiences

In the Capacity as Deputy Management Representatives at Corporate Level

- Developed, implemented and maintained management systems (ISO9001 Quality Management System, ISO14001 Environmental Management System and OHSAS18001 Safety Management System)

In the Capacity as Appointed Safety Officer (Under Pay for Safety Scheme)

- Renovation of China Resources Building (Client: China Resources Property Limited; Client Representative: Ronald Lu & Partners)
- Monitoring & Maintenance of Ground Anchors & Horizontal Drains (Client: Hong Kong Housing Authority; Contract No. 20110019)

In the Capacity as Appointed Environmental Officer and Safety Supervisor (Under Pay for Safety and Environment Scheme)

- Construction of Choi Wan Road Development Site 2 Phase 1 (Client: Hong Kong Housing Authority)
- Redevelopment of Sau Mau Ping Estate Phase 14 (Client: Hong Kong Housing Authority)
- Quantity Surveying Services for Term Contract for the Design and Construction of Minor Works To Government & Subvented Properties for which the ASD is responsible at Hong Kong, Kowloon, New Territories and Outlying Islands (Client: Architectural Services Department; Contract No. TCP071)

Updated in Sep 2020