

GOH, YANG MIANG (Dr)

PhD (Civil Engineering – Construction Safety) NUS, BEng(Civil Engineering)(Hons), NUS



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[PUBLICATION LIST](#)
[HOMEPAGE](#)

ACADEMIC QUALIFICATIONS:

- BEng(2nd Upper Hons)(2000), Department of Civil Engineering, National University of Singapore
- PhD (2005), Department of Civil Engineering, National University of Singapore

EMPLOYMENT RECORDS:

- Associate Professor, Department of Building, NUS (2017- current)
- Assistant Professor, Department of Building, NUS (2012 - 2016)
- Senior Consultant, Det Norske Veritas (2011 - 2012)
- Senior Lecturer, School of Public Health, Curtin University (Western Australia) (2007 - 2010)
- Engineer, Group Leader, Head, Assistant Director (Investigations), Occupational Safety and Health Division, Ministry of Manpower (2005 - 2007)
- Research Engineer/Research Assistant, NUS (2003 - 2004)

ADMINISTRATIVE LEADERSHIP:

- Deputy Head (Research), Department of Building, NUS (2016 – current)
- Deputy Programme Director (B.Sc. Project and Facilities Management), Department of Building, NUS (2013 - 2016)
- Vice Chairman, Safety and Health Committee, Department of Building, NUS (2016- current)
- Institution Construction Safety Committee Member (2012 - 2016)
- Member of the NUS Board of Inquiry (2013)

PROFESSIONAL/CONSULTING ACTIVITIES:

- Expert witness for Singapore Ministry of Manpower (2018)
- Convenor of the SPRING Singapore Workgroup for Singapore Standard for Temporary edge protection systems. Product specification. Test methods (2018 – current)
- Member of the 1st Advisory Committee for Outward Bound Singapore (2018 – current)
- Academic Board Member, IES Academy (2016 – current)
- Member of the Technical Committee on Workplace Safety and Health, SPRING Singapore (2014 – current)
- Member of the External Review Panel for the Singapore Armed Forces (2017 – current)
- Adjunct Associate Professor (Honorary), School of Public Health, Curtin University (Dec 2010 – Dec 2015)
- Honorary Researcher, Workplace Safety and Health Institute (April 2014 – Mar 2017)
- Member of Workplace Safety and Health Council Construction and Landscape Committee (2015 – 2017)
- Member of the Design for Safety Taskforce – Capability Building Sub-Committee (2014 – 2015)
- Council Member, Institution of Engineers, Singapore (IES) (2015 – 2017)
- Chairman/Co-Chairman, Health and Safety Engineering Technical Committee, Institution of Engineers, Singapore (IES) (2015 – 2018)
- Convenor of the SPRING Singapore Workgroup for Singapore Standard (SS607) for Design of active fall protection system (published in 2015)
- Member of the SPRING Singapore Workgroup for Singapore Standard SS588 Personal equipment for protection against falls – Rope access systems (published in 2013)
- Member of the SPRING Singapore Workgroup for Singapore Standard SS 510 Code of Practice for Safety in Welding and Cutting (and Other Operations Involving the Use of Heat) (published in 2016)
- Member of the SPRING Singapore Workgroup for Risk Management; overseeing ISO 31000 – Risk Management standard (2013 – 2015)

TEACHING:

- PF4202 Safety, Health and Environmental Management (2012 – current)
- PF2501 Structural Systems (2015 – current)
- PF2106 Project and Facilities Communications Management (2012 – 2016)

RESEARCH INTERESTS:

- Workplace safety and health
- Systems thinking
- Fall protection
- Analytics, machine learning and knowledge-based systems
- Project and construction management

RESEARCH ACHIEVEMENTS:

- As of 23 Jan 2018, 32 international peer-reviewed journal papers (ISI or Scopus indexed), 2 guest editorials with Accident Analysis and Prevention, 1 book published by Pearson, 1 book chapter, more than 25 international conference papers and h-index of 13 in Scopus, 11 in Web of Science and 15 in Google Scholar.
- Total research grant received (not updated): SGD 1,218,358 (SGD 800,917.00 as PI and SGD 417,441 as Co-PI)

SELECTED PUBLICATIONS:

- Goh , Y. M., and Ubeynarayana, C. U. (2017). "Construction Accident Narrative Classification: An Evaluation of Text Mining Techniques." *Accident Analysis & Prevention*, 108 (2017), 122–130.
- Goh , Y. M., and Guo, B. H. W. (2017). "FPSWizard: A web-based CBR-RBR system prototype for supporting the design of active fall protection systems." *Automation in Construction*, 85(2018), 40-50.
- Goh, Y. M., and Wang, Q. (2015). "Investigating the adequacy of horizontal lifeline system design through case studies from Singapore." *J. Constr. Eng. and Manage. - Am. Soc. of Civ. Eng.*, 141(7), 4015017.
- Goh, Y. M. (2015). "Empirical Investigation of the Average Deployment Force of Personal Fall Arrest Energy Absorbers." *J. Constr. Eng. and Manage. - Am. Soc. of Civ. Eng.*, 141(1).
- Goh, Y. M., and Chua, D. (2013). "Neural network analysis of construction safety management systems: a case study in Singapore." *Construction Management and Economics*, 31(5), 460-470.
- Goh, Y. M., Love, P. E. D., Brown, H., and Spickett, J. (2012). "Organizational accidents: A systemic model of production versus protection." *Journal of Management Studies*, 49(1), 52-76.

AWARDS:

- NUS School of Design and Environment Teaching Excellence Award (2015/16, 2016/17)
- SPRING Singapore Merit Award (2017) – Contributions to standards setting in Singapore
- Institution of Engineers Singapore (IES) – Outstanding Volunteer Award (2012), Outstanding Committee Award (2015/16)
- Director of Occupational Safety and Health Commendation Award (Ministry of Manpower) – Accident Causal Analysis Tool for OSH Investigation (2007)
- Minister for Manpower Award – recognition of outstanding contribution to the successful implementation of the Occupational Safety & Health Reform in Singapore (2006)
- NUS Research Scholarship (2000-2003)