

Chee-Kiong SOH, PhD, PE, FSEng.

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CK Soh received his BEng from Concordia University, Canada, SM from MIT, USA, and PhD from University of Wales College of Cardiff, UK. Prior to joining NTU, he worked as an offshore engineer with McDermott South East Asia and as a marine surveyor with Noble Denton & Associates Singapore. Over the years at NTU, he has held various appointments such as sub-dean and vice-dean of the School of Civil & Structural Engineering, head of the Division of Structures & Construction, head of the Division of Structures & Mechanics, Assistant Director of Research at NTU Office of Research, and Associate Chair (Administration) as well as Acting Chair of the School of Civil & Environmental Engineering. He is also a Fellow of the Singapore Academy of Engineering.



As an offshore engineer, CK Soh had designed, fabricated, installed, hooked up and commissioned more than a dozen offshore platforms for the South East Asian waters, including laying the then world largest submarine pipeline in the E11 gas field off Bintulu for Sarawak Shell. As a marine surveyor, he had reviewed and approved on site numerous construction and marine operations carried out in the shipyards in Japan, Korea, Indonesia, Malaysia, Brunei, and in just about every shipyard in Singapore. As an academia, CK Soh has published more than a hundred and fifty journal papers, one of which titled "Fuzzy controlled genetic algorithm search for shape optimization" received the ASCE (American Society of Civil Engineers) Best TCCP Paper Award in 1996, another titled "Design economics of offshore structures: eccentric jacket" received the IES-StructE (Singapore) Best Structural Paper Award in 2001, and yet another titled "Performance of smart piezoceramic patches in health monitoring of RC bridge" has in 2011 been identified by the Council of Canadian Academies as a top-1% most highly cited paper in its field in the world. His current research interests are in sustainable urban systems and in using smart materials for structural health monitoring, damage prognosis and energy harvesting.

CK Soh has co-authored a book on "Analysis and Design of Offshore Structures" published by the Singapore Structural Steel Society in 1991, a PC-based courseware on "Intelligent Interactive Tutoring System for Engineering Mechanics - Statics" published by Pearson-Prentice Hall in 2000, and another book "Smart Materials in Structural Health Monitoring, Control and Bio-mechanics" published by Springer-ZJUP in 2012. According to Springer, the e-version of the last book has chalked up 11,733 'chapter downloads' between 2012 and 2014. Springer's definition of 'chapter download' is that the eBook or at least one of its chapters has been downloaded.