

# Very Large Floating Structures



**Date : 19 February 2019**  
**Time : 4:30-6:00pm**  
**Venue : Room Z212, PolyU**

Prof. C.M. Wang  
TMR Chair Professor in Structural Engineering  
School of Civil Engineering, The University of Queensland, Australia  
E-mail: [cm.wang@uq.edu.au](mailto:cm.wang@uq.edu.au)

## Abstract

From this lecture, the audience will be introduced to the world of very large floating structures (VLFS) that have been gradually appearing in both off developed coastal cities and countries with long coastlines. Their presence is largely due both to a severe shortage of land and also the recently skyrocketing land costs. After describing the appearance of these VLFS structures and highlighting the advantages of their installation when compared to traditional land reclamation from the sea, the present and future applications of VLFS are to be presented. The input basic forms of design data, hydroelastic analysis and also VLFS design considerations are discussed, albeit in basic forms. Also presented are recent VLFS research studies conducted in the National Universities of Singapore and Queensland.

## Speaker's Biography

Prof. C.M. Wang is the TMR Chair Professor in Structural Engineering, The University of Queensland. He is a Chartered Structural Engineer, a Fellow of the Institution of Engineers Singapore, a Fellow of Academy of Engineering Singapore, a Fellow of the Institution of Structural Engineers and a Fellow of the Society of Floating Solutions (Singapore). His research interests are in the areas of structural stability, vibration, optimization, plated structures and Mega-Floats. He has published over 430 journal papers and coauthored 9 books such as *Very Large Floating Structures*, *Structural Vibration*, *Shear Deformable Beams and Plates: Relationships with Classical Solutions and Exact Solutions for Buckling of Structural Members*. He is an Editor-in-Chief of the *International Journal of Structural Stability and Dynamics* and an Editorial Board Member in several journals including *Engineering Structures*, *International Journal of Applied Mechanics*, and *Ocean Systems Engineering*. He has won many awards that include the IStructE Singapore Structural Awards, Keith Eaton Award, Lewis Kent Award, IES Prestigious Engineering Achievement Award, and the Grand Prize of the Next Generation Container Port Challenge.

**\*\*\*All Interested Are Welcome \*\*\***

**For further information, please contact Ms. Autumn Lin at Tel. 3400 8535.  
Certificates of attendance will be provided to participants if they attend the whole lecture.**

