



海洋科学与工程系

Department of Ocean Science
and Engineering

海洋系讲座

Floating Solutions for Challenges Facing Mankind



Chien Ming Wang

The University of Queensland

 时间 Time

Apr. 15 (Thursday), 2021
15:00-16:00 (UTC+8)
17:00-18:00 (UTC+10)

 地点 Venue

(VooV) Tencent Meeting
ID: 341 375 087



Scan the QR code
to participate online

 主持人 Host
Dr. FENG Xingya

Biography:

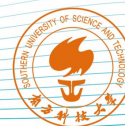
Prof. C.M. Wang is the TMR Chair Professor in Structural Engineering, The University of Queensland. He is a Fellow of the Australian Academy of Technology and Engineering, a Fellow of Academy of Engineering Singapore, a Fellow of Institution of Engineers Singapore, a Fellow of Institution of Structural Engineers and a Fellow of 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 460 journal papers and co-authored 10 books. He serves as Editor - in - Chief and editor of a number of international journals. He is a founding member and Engineering Science Leader of the International Engineering Science Consortium, and the Vice-Chairman of East Asia Pacific Conference on Structural Engineering and Construction steering committee. He has won many awards that include the 2019 Nishino Medal, 2019 JN Reddy Medal, Keith Eaton Award, Lewis Kent Award and so on. He served the advisor on many floating projects that include the world' s largest floating performance stage at Marina Bay. Currently, he is the Leader of the Offshore Engineering Programme of the Blue Economy Cooperative Research Centre that conducts research projects with \$330 million investment.

Abstract:

This lecture presents a variety of floating solutions that aim to address a diverse set of global challenges and the UN Sustainable Development Goals. The challenges include energy insecurity, water and food shortages, and environmental threats to fragile coastal environments from rising sea levels, extreme storms and pollution. Floating solutions offer a new approach to coastal urban development to support the blue economy while reducing the impact of coastal land pressures, increase connections between communities through connecting infrastructure over deep waters and soft seabed conditions, and address large tidal variations in harbours to allow the expansion of port terminals in deep waters.

A vision of hybrid floating cities and satellite floating cities in international waters will also be presented.



新·益求新

Change for excellence
Innovation for future