Day 2

Tuesday 20 October

A6 / B6

A6 / ROOM A · GARNET 214–217 **15:40–17:20**

Symposium: Design and Analysis of Offshore Wind Systems 3

Symposium chairs: Prof Xiao-Lin Zhao, Prof Ronghua Zhu
Session chairs: Andrew Harris, BMT Commercial Australia Pty Ltd;
Dr. Xiaoqin Zhang, Institute of Advanced Intelligence and Computing (IAIC), Agency for Science, Technology and Research

15:40–16:00	**PPID-037**	Co-Located Staggered-Array Floating Spar Wind Turbines and Offshore Submersible Seaweed Cultivation Infrastructure Chenxuan Huang — School of Civil Engineering, The University of Queensland
16:00–16:20	**PPID-076**	Unsteady aeroelastic responses of 5MW and 15MW floating offshore wind turbines using a fully coupled free vortex model Zedong Wang — South China University of Technology
16:20–16:40	**PPID-044**	A Framework for the Industrialisation of Floating Offshore Wind Neil Morgan — Lloyd's Register
16:40–17:00	**PPID-006**	Coupled Load Prediction of Offshore Wind Turbine Platforms Based on Kolmogorov-Arnold Theorem and Physics-Informed Neural Networks Zeyu Zhou — Harbin Engineering University, Harbin, China
17:00–17:20	**PPID-082**	Influence of Substructure Flexibility on Floating Offshore Wind Turbine Structural Design Won Ho, Lee — Det Norske Veritas

B6 / ROOM B · GARNET 213 **15:40–17:20**

Symposium: Marine Operations & Installation 3

Symposium chair: Prof Chen Mingsheng
Session chairs: Dr. Åland, Per Arild, Det Norske Veritas; Dr. Xiaoling Liang, National University of Singapore

15:40–16:00	**PPID-099**	From Floating Concepts to Scalable Operations: An APM–SPSE Framework for Modular Floating Solutions Lihong Zhang — University of Manchester
16:00–16:20	**PPID-123**	Time-domain stochastic simulation approach for lifting analysis and statistical load evaluation for offshore installation operations Sahil Jawa — Newcastle University in Singapore
16:20–16:40	**PPID-180**	Zone Barrier Lyapunov Function-Based Dynamic Positioning for Service Operation Vessels in Floating Offshore Wind Maintenance Xiaoling Liang — National University of Singapore
16:40–17:00	**PPID-130**	A Sim-to-Real Controller Development Framework for Motion-Compensated Walk-to-Work Systems Using a Three-Hexapod Platform Song Zhang — Technology Centre for Offshore and Marine, Singapore
17:00–17:20	**PPID-183**	Multi-agent Reinforcement Learning for Cooperative Positioning of Floating Offshore Platforms Using Multiple Tugboats Haojie Zhu — National University of Singapore/ Nanjing University of Aeronautics and Astronautics