Day 1

Monday 19 October

A2 / B2

A2 / ROOM A · GARNET 214–217 **13:40–15:20**

Offshore Wind System & Digital Twins 2

Session chairs: Professor Xiang Yuan Zheng, Tsinghua Shenzhen International Graduate School, Tsinghua University; Dr. Shu Dai, Shanghai Investigation, Design, and Research Institute Co., Ltd

13:40–14:00	**PPID-085**	Model-Independent Prediction of Dynamic Aerodynamic Thrust for Floating Offshore Wind Turbines Zhuoya Yu — Chinese Academy of Science
14:00–14:20	**PPID-038**	Multi-Output GRU Surrogate Modeling of Blade-Root Loads for Floating Offshore Wind Turbines Shu Dai — Shanghai Investigation, Design, and Research Institute Co., Ltd
14:20–14:40	**PPID-072**	Multi-Parameters Optimization of the Beddoes-Leishman Dynamic Stall Model for Wind Turbine Airfoils Using a Genetic Algorithm Huangtao Nie — Shanghai Jiao Tong University
14:40–15:00	**PPID-096**	Multi-Body Method for Internal Load Analysis of a 15 MW Semi-Submersible Floating Offshore Wind Turbine Shuijin LI — Ningbo University
15:00–15:20	**PPID-062**	Development of Offshore Wind Turbine Floater Applied with Innovative Snap-in Construction Method Hyun-Sung Kim — Samsung Heavy Industries

B2 / ROOM B · GARNET 213 **13:40–15:20**

Marine Hydrodynamics 2

Session chairs: Dr. Xiaobo Chen, Research Department, Bureau Veritas Marine & Offshore; Associate Professor Yan Li, University of Bergen

13:40–14:00	**PPID-122**	Tertiary wave interaction with floating structures modelled in HydroStar Xiaobo Chen — Research Department, Bureau Veritas Marine & Offshore
14:00–14:20	**PPID-018**	CFD-Based Assessment of Nonlinear Hydrodynamics in Heave Motion for Dry-Tree Cylindrical FPSOs Using Forced Oscillation Simulation Yanlong Shi — Shanghai Jiao Tong University
14:20–14:40	**PPID-039**	Tree-induced hydrodynamic damping of a cylindrical floating planter under regular waves Senqin Zhang — The Hong Kong Polytechnic University
14:40–15:00	**PPID-013**	Dual-Effect Characteristics of a Freely Floating Suppressor for Liquid Sloshing: An Experimental Investigation Deping Cao — Tongji University
15:00–15:20	**PPID-089**	Extremely large waves and their-induced loads on next-generation offshore structures in complex coastal waters Yan Li — University of Bergen