# Day 1

Monday 19 October

C2 / D2

**C2 / ROOM C · GARNET 212** **13:40–15:20**

## Symposium: Marine Renewable Systems 2

Symposium chairs: Prof Gao Zhen, Prof Low Ying Min
Session chair: Assistant Professor Yong Fu, Southern University of Science and Technology

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| **13:40–14:00** | **PPID-133** | Feasibility and Performance of a Floating Hybrid Tidal–Wave Energy System with PTO Damping Optimization<br>Andhi Kusnadi — Technology Centre for Offshore and Marine, Singapore |
| **14:00–14:20** | **PPID-125** | Damage Locating in Plate Structure using Electromechanical Impedance Technique<br>Thanh-Canh Huynh — National University of Singapore |
| **14:20–14:40** | **PPID-086** | Experimental Characterization of Nonlinear Frequency-domain Responses for a Floating Multi-energy Hybrid Platform<br>Yewen Chen — Chinese Academy of Sciences |
| **14:40–15:00** | **PPID-079** | A Fully Coupled Numerical Framework for Floating Tidal Stream Turbines under Wave-Current Conditions<br>Xiangfeng Lin — National University of Singapore |
| **15:00–15:20** | **PPID-071** | Numerical investigation on hydrodynamic and wake characteristics of horizontal-axis tidal current turbine under yawing motion<br>Yiyuan Zhang — Shanghai Jiao Tong University |

**D2 / ROOM D · TOPAZ 220 & 225** **13:40–15:20**

## Modular Floating Structures & Floating Infrastructures 1

Session chair: Associate Professor Hao Chen, Newcastle University in Singapore

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| **13:40–14:00** | **PPID-031** | Hydrodynamic Performance Evaluation of Expandable Concrete Multi-Modular Floating Structures Considering Connector Behavior<br>Daehwan Lee — Hyundai Engineering & Construction Co., Ltd., Seoul, Korea |
| **14:00–14:20** | **PPID-059** | Parametric Study on Stability Enhancement of a Novel Unit Floating Module<br>Min-Su Park — Korea Institute of Civil Engineering and Building Technology |
| **14:20–14:40** | **PPID-064** | Activity-oriented Underwater Neighborhood Design Based on Multiple Submerged Floating Residential Modules<br>Sang W. Pak — Korea Ocean Space & Settlement Co., Ltd. |
| **14:40–15:00** | **PPID-142** | A Multipurpose Floating Solution for Mangrove and Seagrass Reforestation: A Feasibility Study on a Modular Floater for Habitat Rehabilitation and Coastal Protection<br>Kaung Myat Hein — Singapore Institute of Technology |
| **15:00–15:20** | **PPID-182** | Bandit-Based Adaptive Search for Maximum Wave Conditions in Marine Sensing Networks<br>Chaochun Huang — National University of Singapore/ Nanjing University of Aeronautics and Astronautics |