Day 1

Monday 19 October

C1 / D1

C1 / ROOM C · GARNET 212 — 10:40–12:20

Symposium: Marine Renewable Systems 1

Symposium chairs: Professor Zhen Gao, Associate Prof Ying Min Low
Session chairs: Professor Ling Wan, Ningbo University; Dr. Chi Zhang, Technology Centre for Offshore and Marine, Singapore

10:40–11:00	**PPID-094**	Effects of Floater Layout, Transverse offset and PTO Damping on a Monohull Floating Tidal–Wave Energy System Jian Bao — Ningbo University
11:00–11:20	**PPID-154**	Mathematical Modeling and Analysis of Global Loads and Responses of a Novel Floating Hybrid Tidal-Wave Energy System Huixing Li — Shanghai Jiao Tong University
11:20–11:40	**PPID-012**	A system investigation of tidal stream energy resource in Singapore Yi Wen — National University of Singapore
11:40–12:00	**PPID-127**	Numerical analysis of the coupled response of floating horizontal-axis tidal turbines under combined wave-current conditions Han Li — Tsinghua University
12:00–12:20	**PPID-074**	Experimental Design and Baseline Characterization of a 1:10 Adaptive Variable-Pitch Tidal Current Turbine Liangcheng Ni — Shanghai Jiao Tong University

D1 / ROOM D · TOPAZ 220 & 225 — 10:40–12:20

Structural Mechanics & Specialised Structures

Session chair: Professor Changho Moon, Kunsan National University

10:40–11:00	**PPID-056**	Feasibility Study of Nonlinear Dynamic Response Analysis of Mooring Piles Using Pile Element Formulation Haien Xue — The Hong Kong Polytechnic University
11:00–11:20	**PPID-159**	Impact response and crashworthiness analysis of a novel auxetic structure for ship protection Yongqi Zou — Zhejiang Ocean University
11:20–11:40	**PPID-054**	Feasibility study of using graphene cement coating to achieve antibiofouling protection for UHPC floating structures Zhaohua Wang — The Hong Kong Polytechnic University
11:40–12:00	**PPID-033**	Optimization Design of a Multi-Segment Mooring System for a Semi-Submersible Floating Wind Turbine Based on Fully Coupled Analysis Yiyun Shi — YK Pao School, Shanghai, China
12:00–12:20	**PPID-065**	Sensitivity analysis of structural parameters of oscillating water column wave energy converter Xu Huang — South China University of Technology