

# International RIAM Symposium on Ocean Renewable Energy Technologies and Related Computational and Experimental Researches

December 8-9, 2018

Meeting Room at 2<sup>nd</sup> Floor, RIAM, Kyushu University, Kasuga, Fukuoka, Japan

*Organized by*

Research Institute for Applied Mechanics, Kyushu University

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## TIME TABLE

### 8 December (Saturday)

13:00 - 13:10	Opening Address	<b>Changhong Hu</b>
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#### *Session 1*

13:10 - 13:50	<b>Feng Xiao</b> (Tokyo Institute of Technology) <i>Invited Lecture</i> BVD: A New Principle to Design High-Fidelity Numerical Solver for Interfacial Multiphase Flows
13:50 - 14:20	<b>Mohamed Kamra</b> (Kyushu University) Error Investigation of UMTHINC Interface Capturing Method
14:20 - 14:50	<b>Ronit Kurmar</b> (Tokyo Institute of Technology) THINC-Scaling Method for Interface Capturing
14:50 - 15:20	<b>Yunxing Zhang</b> , Kangping Liao, Wenyang Duan (Harbin Engineering University, China) Numerical Simulation of Two Phase Flow with Adaptive Mesh Refinement
15:20 - 15:50	Coffee break

#### *Session 2*

15:50 - 16:30	<b>Decheng Wan</b> (Shanghai Jiao Tong University) <i>Invited Lecture</i> Development of Numerical Solver for Complex Flow Interaction of Floating Structure System
16:30 - 17:00	<b>Takahito Iida</b> (Osaka University) Particle Simulation for Fluid and Structure Interaction Involving Fracture
17:00 - 17:30	<b>Peng Jin</b> (Tokyo Institute of Technology) Multi-moment Finite Volume Method on Varying Domain for Fluid-Structure Interactions
17:30 - 18:00	<b>Isshiki Hiroshi</b> (Institute of Numerical Analysis) Curvilinear Coordinates for Numerical Analysis
18:00 - 20:00	Dinner Party

## 9 December (Sunday)

### Session 3

9:20 - 10:00	<b>Kangping Liao</b> (Harbin Engineering University, China) <i>Invited Lecture</i> Recent Progress of China Numerical Tank Project
10:00 - 10:30	<b>Zhen Ren</b> , Decheng Wan (Shanghai Jiao Tong University, China) Numerical Investigation of Hydrodynamic Performance of Propeller in Restricted Channel
10:30 - 11:00	<b>Jiawei He</b> , Decheng Wan (Shanghai Jiao Tong University, China) vim-FOAM-SJTU Solver for Vortex-Induced Motions of Cylinder Structures in Currents
11:00 - 11:30	<b>Hironao Ohnishi</b> , Hidetsugu Iwashita, Masashi Kashiwagi, Yusuke Ito (Hiroshima University) Visualization of the Unsteady Wave Field on Ship Hull by means of an Advanced EFD Technology
11:30 - 12:00	<b>Tarek N. Dief</b> (Kyushu University) Experimental Results of Kite Power System
12:00 - 13:00	Lunch break

### Session 4

13:00 - 13:30	<b>Zhiqiang Hu</b> (Newcastle University, UK) DARwind, A Program for Dynamic Responses Prediction of Floating Wind Turbine and Its Validation with Basin Model Test
13:30 - 14:00	<b>Taiki Horiuchi</b> (Osaka University) Integrated Simulation Method for Floating Offshore Wind Turbines with Mooring
14:00 - 14:30	<b>Amr Halawa</b> (Kyushu University) Numerical Studies on Horizontal Axis Wind Turbine Rotor
14:30 - 15:00	<b>Hongbin Hao</b> , Qingwei Ma, Kangping Liao, Zhiqun Guo, Xing Zheng (Harbin Engineering University, China) Experimental and Numerical Studies on Floating Offshore Wind Turbine
15:00 - 15:30	<b>Yusaku Kyojuka</b> , Daisaku Sakaguchi (Nagasaki University) Makoto Sueyoshi, Changhong Hu (Kyushu University) R&D of a Floating/Submersible Tidal Current Power Generator Applicable in Low Speed Tidal Flow
15:30 - 15:40	Closing Address <span style="float: right;"><b>Decheng Wan</b></span>

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