

International RIAM Symposium on Ocean Renewable Energy Technologies and related fluid dynamics researches

January 23-24, 2017
W601, RIAM, Kyushu University, Kasuga, Fukuoka, Japan

Organized by
Research Institute for Applied Mechanics, Kyushu University

Co-Organized by
Research and Education Center for Advanced Energy Materials, Devices, and Systems, Kyushu University

TIME TABLE

23 January (Monday)

13:00 - 13:10	<i>Opening Address</i>	Changhong Hu
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Session 1

Chair: Changhong Hu

13:10 - 14:00	Yuji Ohya (Kyushu University) <i>Keynote Lecture</i> Introduction of Wind-Lens Technology and Its Application - Efficient Utilization of Wind, Water and Solar Energy -
14:00 - 14:40	Jens N. Sørensen (Technical University of Denmark, DK) <i>Invited Lecture</i> Assessment of the Potential of Massive Exploitation of Offshore Wind Power in Europe
14:40 - 15:20	Ryo S. Amano (University of Wisconsin-Milwaukee, USA) <i>Invited Lecture</i> Wind and Hydro Energy
15:20 - 15:30	Coffee break

Session 2

Chair: Decheng Wan

15:30 - 16:10	Ching-Yeh Hsin (National Taiwan Ocean University, Taiwan, R.O.C.) <i>Invited Lecture</i> The Design of 20kW Floating Kuroshio Turbine
16:10 - 16:40	Yusaku Kyojuka, Patxi Garcia Novo (Nagasaki University) Characteristics of Turbulence Intensity of Tidal Current in Goto Islands, Nagasaki
16:40 - 17:10	Cheng Liu, Changhong Hu (Kyushu University) CFD Simulation of a Tidal Turbine Farm by Using ACL Model
17:10 - 17:40	Masashi Kashiwagi, Mariko Miki (Osaka University) Realization of Cloaking and Wave-energy Absorption with Multiple Floating Bodies
18:00 - 21:00	Dinner Party

24 January (Tuesday)

Session 3

Chair: Shigeo Yoshida

9:10 - 9:50	Decheng Wan (Shanghai Jiao Tong University, China) <i>Invited Lecture</i> CFD Study of Aero- and Hydro- Dynamic Performances of Floating Offshore Wind Turbine
9:50 - 10:30	Xiaobo Chen (Bureau Veritas, France) <i>Invited Lecture</i> Some Special Aspects of TLP Windmill Concept
10:30 - 11:00	Dief Tarek (Kyushu University) Airborne Wind Energy
11:00 - 11:30	Zhiqiang Hu (Newcastle University, UK) A Program for Integrated Dynamic Characteristic Analysis of Floating Wind Turbine
11:30 - 12:00	Makoto Sueyoshi (Kyushu University) Wake Measurement of a Horizontal Axis Tidal Turbine
12:00 - 13:00	Lunch

Session 4

Chair: Jiahn-Horng Chen

13:00 - 13:40	P. Ferrant, M. Gouin, G. Ducrozet (LHEEA Lab, Ecole Centrale de Nantes, France) <i>Invited Lecture</i> Deterministic Simulation of Nonlinear Waves including Bathymetry Effects, with Applications to Naval and Offshore Engineering
13:40 - 14:20	Yonghwan Kim (Seoul National University, Korea) <i>Invited Lecture</i> Extreme Statistical Approach for the Second-Order Hydrodynamics of Offshore Structures
14:20 - 14:50	Hiroshi Isshiki (Inst. of Mathematical Analysis) On the Space-Time Integral Representation Method for Initial-Boundary Value Problem of Advective Diffusion
14:50 - 15:20	Katsutoshi Shirasawa (Okinawa Institute of Science and Technology) Development of an Ocean-Current Turbine at OIST
15:20 - 15:50	Yuma Ito, Hidetsugu Iwashita (Hiroshima University) Characteristics of Steady Aerodynamics of the Canard-Configuration WIG Flying in the Ground Effect
15:50 - 16:00	<i>Closing Address</i> Yuji Ohya

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