

詳細プログラム:

November 21(Tue.),2017		
9:00-9:10	Opening Ceremony	
	<i>Prof.Shuichi Nagata</i>	<i>Director of IOES</i>
Special Lectures		
9:10-9:50	Ocean Energy Utilization	
	<i>Prof.Takeshi Kinoshita</i>	<i>Nagasaki Institute of Applied Science,JAPAN</i>
9:50-10:30	Advanced Off-shore Wind Energy	
	<i>Prof.Tomoaki Utsunomiya</i>	<i>Kyushu University,JAPAN</i>
10:30-11:10	Development of Wave Energy Utilization	
	<i>Prof.Shuichi Nagata</i>	<i>Institute of Ocean Energy at Saga University,JAPAN</i>
11:20-12:00	Advanced Tidal Current Energy	
	<i>Prof.Yusaku Kyozyuka</i>	<i>Nagasaki University,JAPAN</i>
12:00-12:40	Advanced Ocean Thermal Energy	
	<i>Prof.Yasuyuki Ikegami</i>	<i>Institute of Ocean Energy at Saga University,JAPAN</i>
12:40-14:00	Lunch Break *Optional tour(IOES Facilities)	

Presentations by Young researchers

Session1:Tidal Energy Converter

14:00-14:20	Tidal Turbine Testing: Spanning the Gap between the Laboratory and Tidal Test Site Experiments	
	<i>Carwyn Huw Frost</i>	<i>Queen's University Belfast,UK</i>
14:20-14:40	Preliminary Mapping of Tidal Energy Density Potency in Lampuyang Strait, Indonesia	
	<i>Rajuli Amra</i>	<i>Osaka University,JAPAN</i>
14:40-15:00	Electrical Design Aspects of Tidal Stream Turbine Power Take-off Systems	
	<i>Faisal Mushtaq Wani</i>	<i>Technical University of Delft,NETHERLANDS</i>
15:00-15:20	Multi-objective Optimization of Blade Profiles for a Horizontal Axis Tidal Turbine	
	<i>Chen Xuemeng</i>	<i>Institute of Ocean Technology Ocean College, Zhejiang University,CHINA</i>
15:20-15:40	Experimental Research on Performance of Bi-Directional Impulse Turbine and Flow Collector for Tidal Energy Conversion	
	<i>Fuyuki Nishimura</i>	<i>Saga University,JAPAN</i>
15:40-15:50	Coffee Break	

Session2:Wave Energy Converter

15:50-16:10	Performance assessment of Horizontal-axis 3-blades for wave power generation in the coastal zone of Thailand	
	<i>Chanchai Petpongpan</i>	<i>King Mongkut's University of Technology Thonburi(KMUTT),THAILAND</i>
16:10-16:30	Evaluation of Wave Energy Using Numerical Model in Thailand Sea	
	<i>Sutthida Umjaeng</i>	<i>King Mongkut's University of Technology Thonburi(KMUTT),THAILAND</i>
16:30-16:50	An Efficient Convex Formulation for Model-Predictive Control on Wave-Energy Converters	
	<i>Qian Zhong</i>	<i>University of California at Berkeley,USA</i>
16:50-17:00	Coffee Break	
17:00-17:20	Hydrodynamic Analysis and Optimization of Oscillating Water Column Wave Energy Converters	
	<i>Kourosh Rezanejad</i>	<i>Instituto Superior Técnico, Universidade de Lisboa,Portugal</i>
17:20-17:40	Development of a Nearshore Oscillating Surge Wave Energy Converter with Variable Geometry	
	<i>Nathan Michael Tom</i>	<i>National Renewable Energy Laboratory,USA</i>
17:40-18:00	Ocean Energy development at NIOT,India	
	<i>Ashwani Vishwanath</i>	<i>National Institute of Ocean Technology,INDIA</i>

November 22(Wed.),2017

Presentations by Young researchers

Session3:OTEC

9:00-9:20	A Feasibility Study on Fixed Offshore Platform for Ocean Thermal Energy Conversion (OTEC) Power Plant	
	<i>Nurul Azizah Binti Mukhlas</i>	<i>Universiti Teknologi Malaysia, Kuala Lumpur, MALAYSIA</i>
9:20-9:40	Optimization of ORC (Organic Rankine Cycle) Turbine Design for OTEC (Ocean Thermal Energy Conversion) Power Generation System	
	<i>Herry Susanto</i>	<i>Darma Persada University, INDONESIA</i>
9:40-10:00	Modeling and model validation of the performance of an ammonia-water OTEC demo plant using advanced condenser models	
	<i>Frank Carlo Geschiere</i>	<i>Bluerise B.V., NETHERLANDS</i>
10:00-10:20	Pressure Drop Characteristics of Flow in Parallel Plate Channels with Trapezoidal Disturbance Promoters	
	<i>Satoshi Hotta</i>	<i>Akita University, JAPAN</i>
10:20-10:30	Coffee Break	
10:30-10:50	Development of A Method to Compare the Maximum Power Output of an OTEC Power Plant for The Choice of an Heat Exchanger.	
	<i>Kevin, Davy-Erik Fontaine</i>	<i>EPF-Montpellier engineering school, FRANCE</i>
10:50-11:10	Preliminary Design of an 100 MW Ocean Thermal Energy Conversion (OTEC) Power Plant in Indonesia	
	<i>Ristiyanto Adiputra</i>	<i>Kyushu University, JAPAN</i>
11:10-11:30	Performance test of 200kW HOTEK power plant	
	<i>Moon Jung-Hyun</i>	<i>Korea Research Institute of Ships & Ocean Engineering(KRISO), KOREA</i>
11:30-11:50	Optimization of OTEC for Reduction of Required Seawater	
	<i>Takafumi Noguchi</i>	<i>Saga University, JAPAN</i>
11:50-12:30	Lunch Break	

Session4:Environment

12:30-12:50	Assessing the Marine's Biodiversity Using eDNA Metabarcoding Method as a Tool for EIA	
	<i>Suriyanti Su Nyun Pau</i>	<i>University Technology Malaysia,MALAYSIA</i>
12:50-13:10	Renewable Energy: Solar Energy Protects Land and Ocean.	
	<i>Cecilia Olikong</i>	<i>Palau Community College,PALAU</i>
13:10-13:30	Renewable Energy: Solar Energy Protects Land and Ocean.	
	<i>Courtney T. Joshua</i>	<i>Palau Community College,PALAU</i>
13:30-13:50	CO2 Emission Reduction Through OTEC Technology Implementation for Power Generation in Indonesia	
	<i>Rudy Heryadi</i>	<i>Darma Persada University,INDONESIA</i>
13:50-14:10	Tidal Platform Environment Monitoring using Computer Vision	
	<i>Francis James Olegario Corpuz</i>	<i>OceanPixel Pte. Ltd. ,SINGAPORE</i>
14:10-14:20	Coffee Break	

Session5:Offshore Wind Energy and Other Ocean Energy Utilization

14:20-14:40	Selection and Design of Deep Sea Floating Wind Power Foundation	
	<i>Wang Xinyu</i>	<i>Dalian University of Technology,CHINA</i>
14:40-15:00	Effects of the operating condition and the geometric parameter on the mass transfer rate of Non-Newtonian in the wavy-walled tubes for pulsatile flow	
	<i>Zhu Donghui</i>	<i>Dalian University of Technology,CHINA</i>
15:00-15:20	Reverse Electrodialysis (RED) power generation by mixing sea water and river water	
	<i>Soroush Mehdizadeh</i>	<i>Yamaguchi University,JAPAN</i>

General Discussions

15:20-17:30	General Discussions	
17:30-17:40	Best Presentation Award Ceremony	