

<b>Honorable Award List</b>				
Grand RE2022 International Conference, held for Dec. 13-20, 2022 ONLINE				
<b>Area 1</b>	<b>Policy and Integrated Concept</b>			
	★ Oral Award	Dr. <b>Silva Herran Diego</b>	100591	National Institute for Environmental Studies <i>A method for evaluating the distance to urban areas for the solar energy potential</i>
	★ Oral Award	Ms. <b>Suguri Taira</b>	100516	Nagoya University <i>The pluralistic renewable energy projects developed in different contexts in a local community in the Tohoku after 3.11 — A case study of the Shonai region of Yamagata Prefecture</i>
<b>Area 2</b>	<b>Photovoltaics</b>			
	★ Oral Award	Dr. <b>Calum McDonald</b>	100482	AIST (National Institute of Advanced Industrial Science and Technology) <i>PEROVSKITE-SI TANDEM SOLAR CELLS WITH AN IN SITU GROWN NANOCRYSTALLINE SI RECOMBINATION JUNCTION LAYER</i>
	★ Poster Award	Dr. <b>Tsuyoshi Shiba</b>	100233	MPX Inc. <i>Hybrid Approach for Forecasting Capture Price for Renewable Electricity</i>
<b>Area 3</b>	<b>Solar Thermal Applications</b>			
	★ Oral Award	Dr. <b>Yoshinori Hamamoto</b>	100498	Kyushu University <i>Proposal and Performance Prediction of High-temperature Heat Output System of Solar Heat Collector Combined with Adsorption Heat Transformer Cycle</i>
	★ Poster Award	Mr. <b>Ryo Kurosawa</b>	100031	Niigata university Tatsuya Kodama, Selvan Bellan, Tomoyuki Kawamura, and Takanori Nakano <i>Flowability and reactivity of spherical Mn-doped ceria particles for a solar thermochemical two-step water splitting by a fluidized bed reactor</i>
<b>Area 4</b>	<b>Innovative Climatic Architecture</b>			
	★ Oral Award	Ms. <b>Iryna Borys Bohoshevych</b>	100111	The University of Kitakyushu <i>CULTIVATING EDIBLE GREENS IN TROMBE WALL CAVITY: A COST PERFORMANCE ANALYSIS</i>
	★ Oral Award	Ms. <b>Anisah Andika Fajar</b>	100243	Tokyo Institute of Technology <i>Building Energy Performance Analysis of Near-Zero Energy Building Design</i>
<b>Area 5</b>	<b>Wind Energy</b>			
	★ Oral Award	Dr. <b>Guowei QIAN</b>	100347	Sun Yat-sen University <i>A New Wind Turbine Wake Model Considering the Effect of Coriolis Force</i>
	★ Oral Award	Dr. <b>Koichi WATANABE</b>	100170	Kyushu University <i>Power Output Enhancement of Closely-Clustered Ducted Rotors in a Wind Tunnel</i>
	★ Poster Award	Dr. <b>Jun TANEMOTO</b>	1000064	Shimizu Corporation <i>A Study of Correction Method for Turbulence Intensity Measured by Using Dual Scanning Lidars</i>
<b>Area 5 &amp; Area 8 Joint Sessin (Offshore Wind)</b>				
	★ Oral Award	Mr. <b>Ikuo TOBINAGA</b>	100080	Kokubu office, HITACHI, Ltd. <i>DESIGN AND ENGINEERING ACTIVITY FOR OFFSHORE WIND PROJECT</i>
<b>Area 6</b>	<b>Biomass Utilization and Conversion</b>			
	★ Oral Award	Ms. <b>Zhu Yunxin</b>	100388	University of Tsukuba <i>Light boosted bio-methane production: efficient anaerobic digestion from optimized illuminated bioreactor under ammonia pressure</i>
	★ Oral Award	Dr. <b>Kelly Tau Len Yong</b>	100461	Universiti Kuala Lumpur Malaysian Institute <i>Potential of Lignin from Oil Palm Biomass as Carbon Fibre Precursor</i>
<b>Area 7</b>	<b>Hydrogen &amp; Fuel Cell</b>			
	★ Oral Award	Mr. <b>Preetam Sharma</b>	100066	University of Tennessee, Knoxville <i>Spatially resolved current, temperature, and Pt particle size growth heterogeneities in polymer electrolyte fuel cells (PEFCs) subjected to accelerated aging</i>
	★ Oral Award	Dr. <b>Masanori Inaba</b>	100410	Toyota Central R&D Labs., Inc. <i>MATERIAL DEVELOPMENT FOR CONTROLLING PT/IONOMER INTERFACE IN POLYMER ELECTROLYTE FUEL CELLS</i>
<b>Area 8</b>	<b>Ocean Energy</b>			
	★ Oral Award	Dr. <b>Tomoki Taniguchi</b>	100524	National Maritime Research Institute <i>EXPERIMENTAL VALIDATION OF NONLINEAR MODEL PREDICTIVE CONTROL FOR FLOATING POINT ABSORBER TYPE WAVE ENERGY CONVERTER WITH LINEAR GENERATOR</i>
	★ Poster Award	Mr. <b>Petrus Kambo</b>	100289	Tokyo University of Marine Science and Technology <i>Conceptual Design of Wave Energy Conversion with Dual Translator</i>
<b>Area 9</b>	<b>Geothermal Energy and Ground-source Heat Pump</b>			
	★ Oral Award	Dr. <b>Noriaki Watanabe</b>	100393	Tohoku University <i>HYDRAULIC FRACTURING OF GRANITE IN SUPERCRITICAL/SUPERHOT GEOTHERMAL ENVIRONMENTS</i>
	★ Oral Award	Dr. <b>Gaurav Shrestha</b>	100254	AIST (National Institute of Advanced Industrial Science and Technology) <i>Suitability map to determine appropriate areas for installation of ground-source heat pump system</i>
	★ Poster Award	Mr. <b>Kazuki Aoki</b>	100418	Tohoku Afforestation & Environmental Protection Co. Ltd <i>Development of an IoT hydrogen sulfide system for environment impact assessment of geothermal power plant</i>
<b>Area 10</b>	<b>Energy Network</b>			
	★ Oral Award	Mr. <b>Tetsu Yamada</b>	100348	Tokyo University of Agriculture and Technology <i>Effectiveness of High-Power Charges at Quick Charging Stations for Electric Vehicle</i>
	★ Poster Award	Dr. <b>Masakazu Koike</b>	100108	Tokyo University of Marine Science and Technology <i>Monotonicity Analysis of Day-Ahead Power Scheduling in Power Network System</i>
<b>Area 11</b>	<b>Energy Conservation and Heat Pump</b>			
	★ Oral Award	Dr. <b>Takeru Kimura</b>	100371	MAYEKAWA MFG. CO., LTD. Hideki Fuchikami, Naoya Yoshihiro, Mizuo Kudo, Akito Machida <i>Development of a high temperature heat pump using reusable heat as the heat source</i>
	★ Oral Award	Mr. <b>Yoshihiro Inoue</b>	100207	Osaka Metropolitan University College of Technology N. Ota, K. Sugiyura, Y. Imae, K. Imae <i>Characterization of Composite Heat Insulations Including Silica-aerogel Core Layer</i>
<b>Area 12</b>	<b>Small Hydro and Non-Conventional Energy</b>			
	★ Oral Award	Mr. <b>Takumi Omori</b>	100367	Tokushima University <i>Research and Development of Contra-rotating Small Hydroturbine</i>
	★ Poster Award	Mr. <b>Hokuto Yokoyama</b>	100379	Kyushu Sangyo University <i>Study on the erect of inlet nozzle length on the performance of the portable-type Darrieus hydro turbine</i>