

GRE2018 Preliminary Program

\*presentation numbers will be assigned later in the final program

Area Name	Session Class	Session No.	Session Name	Date	Time	Room	Chair1	Chair2	ID No.	Abstract Title	First Author	
Area XII: Small Hydro & Non-Conventional Energy	Invited Lecture	IL-Sh	Invited Lecture	21-Jun	13:00 - 13:30	315	Yuji Nakanishi (Kanagawa University, Japan)		1	Invited12-1	Proposal of a Small Pump-Turbine System for Ocean Renewable Mechanical Energy Storage System	Young-Do Choi (Mokpo National University)
Area XII: Small Hydro & Non-Conventional Energy	Oral Session	O-Sh-1	Hydropower Development & Utilization	21-Jun	13:30 - 14:45	315	Shouichiro Iio (Shinshu University, Japan)	Yusuke Katayama (Kyushu University, Japan)	1	a90095	Combined Small Hydropower Technologies in Asia: Indonesian Turbine, Japanese Electrical Control and Indian Calculating Model	Yoshinobu Watanabe (Nakayama Iron Works, Ltd., Japan)
									2	a90306	RENEWABLE ENRGY POLICY AND BARRIERS TO SMALL HYDROPOWER DEVELOPMENT IN JAPAN	Tokihiko Fujimoto (Shizuoka University, Japan)
									3	a90536	HARNESSING ELECTRICAL ENERGY FROM DAMULOG RIVER USING PICO HYDRO SYSTEM	Nelson Socias Andres (College of Engineering and Architecture, Bataan Peninsula State University, Balanga City, Bataan, Philippines)
									4	a90300	Development and Construction of Konokitani Hydro Power Plant	Ryosuke Sato (J-Power (Electric Power Development Co.,Ltd), Hydropower Dept., Tokyo, Japan)
									5	a90058	GENERATING RENEWABLE ENERGY FROM EXTREME CLIMATIC EVENTS	Spyros Schismenos (UNESCO Chair on Conservation and Ecotourism of Riparian and Deltaic Ecosystems, Eastern Macedonia and Thrace Institute of Technology, Kavala)
Area XII: Small Hydro & Non-Conventional Energy	Oral Session	O-Sh-2	Small Hydropower 1	22-Jun	9:30 - 10:45	315	Young-Do Choi (Mokpo National University, Korea)	Yusuke Katayama (Kyushu University, Japan)	1	a90805	INSTALLATION CONCEPT OF PORTABLE TYPE DARRIEUS HYDRO TURBINE IN INCLINED OPEN WATERWAY	Daisuke Matsushita (Department of Mechanical Engineering, Kyushu Sangyo University)
									2	a90809	STUDY ON POWER PERFORMANCE OF PORTABLE TYPE DARRIEUS HYDRO TURBINE	Shunsuke Era (Graduate School of Engineering, Kyushu Sangyo University)
									3	a91114	EFFECT OF INSTALLATION CONDITION ON PERFORMANCE OF A DARRIEUS-TYPE HYDRAULIC TURBINE IN OPEN CHANNEL FLOW	Yusuke Katayama (Kyushu University)
									4	a90897	PERFORMANCE IMPROVEMENT OF FRANCIS TURBINE IN A SMALL HYDRO BY EXCHANGING A RUNNER	Zhihao Liu (Department of Applied Mechanics, Waseda University, 169-8555 Japan)
									5	a90521	INFLUENCE OF CASING WALL AND BLADE SHAPE ON A CROSS-FLOW TURBINE PERFORMANCE	Mirei Goto (Department of Faculty of Engineering, University of Shinshu, Nagano, Japan)
Area XII: Small Hydro & Non-Conventional Energy	Oral Session	O-Sh-3	Small Hydropower 2	22-Jun	11:00 - 12:00	315	Daisuke Matsushita (Kyushu Sangyo University, Japan)	Yuji Nakanishi (Kanagawa University, Japan)	1	a90899	INVESTIGATION OF TORQUE LOSS ON A SUBMERGED IMPULSE TURBINE	Saki Usami (Shinshu University)
									2	a90497	PERFORMANCE EVALUATION OF A SUBMERGED IMPULSE HYDRO TURBINE	Takuto Azegami (Department of Faculty of Engineering, University of Shinshu, Nagano, Japan)
									3	a91091	EFFICIENCY MAXIMIZATION OF LOW-SPEED PERMANENT MAGNET GENERATOR FOR MICRO-HYDRO GENERATION SYSTEM BASED ON GENETIC ALGORITHM	Liangliang Wei (Kyoto University, 615-8510 Japan)
									4	a90679	NON-CONTACT MEASUREMENT OF SPREADING WIDTHS OF WATER JET FOR IMPULSE TURBINES	Yuji Nakanishi (Department of Mechanical Engineering, Kanagawa University, Yokohama, Japan)
Area XII: Small Hydro & Non-Conventional Energy	Poster Session	P-Sh	Small Hydro & Non-Conventional Energy	21-Jun	15:00 - 16:00	foyer			1	a90856	METHOD FOR INTRODUCING COMMUNITY-BASED MICRO-HYDRO POWER GENERATION SYSTEMS	Masayuki Nakayama (Tokyo University of Agriculture and Technology, Tokyo, Japan)
									2	a90716	500KW Pelton Turbine Design and Performance Analysis for Air Injected Operation	Park Hyeon soo (Department of Mechanical Engineering, KMOU, Busan, Korea)
									3	a90448	INFLUENCE OF TIP CLEARANCE ON A SMALL PROPELLER TURBINE	Haruyuki Murakoshi (Shinshu University, Nagano, 380-8553 Japan)
									4	a90275	DEVELOPMENT OF A NEW MICRO HYDRAULIC POWER GENERATOR TURBINE BLADE SHAPE OPTIMIZATION	Tadayuki KAMIMURA (Osaka Prefecture University College of Technology, Osaka, Japan)
									5	a90187	HYDRAULIC DESIGN AND OPTIMIZATION OF A LNG HYDRAULIC TURBINE RUNNER	Ning Huang (College of Mechanical and Transportation Engineering, China University of Petroleum (Beijing), Beijing, China)
									6	a90099	Development of power generation system utilizing dissociation and expansion characteristics of gas hydrate	Toshiyuki Kawasaki (Department of Electrical and Electronic Engineering, Kitami Institute of Technology, Hokkaido, Japan)
									7	a90100	Investigation of optimum driving pressure of gas hydrate power generation system by scroll compressor	Yuta Uemura (Department of Electrical and Electronic Engineering, Kitami Institute of Technology, Hokkaido, Japan)
									8	a90824	ON PROTOTYPE SYSTEM FOR GENERATING "WATER THERMAL ENERGY" IN LOW TEMPERATURE	Tokio Ohkawa (Polytechnic University)
									9	a90852	DEVELOPMENT OF AUTONOMIC SENSING SYSTEM UTILIZING COMBINATION OF WIND AND SOLAR ENERGY FOR AQUACULTURE	Takeshi Kubota (North Japan research Institute for Sustainable Energy, Hirosaki University, Aomori, Japan)