

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 V: Wind Energy	Oral Session	O-We-1	Acoustics and Noise Issues/Social and Environmental Issues	19-Jun	9:00 - 10:15	301	TBD	TBD	1	a90120	ACOUSTIC CHARACTERISTICS OF TWO SMALL HAWTS	Noriki Iwanaga (Research Center of Computational Mechanics, Inc., Tokyo, Japan)
									2	a90432	STUDY ON THE CHARACTERISTIC OF THE AEROACOUSTIC NOISE OF A STRAIGHT-BLADED VERTICAL-AXIS WIND TURBINE	Kentaro Hamada (Division of Mechanical Science and Engineering, University of Kanazawa, Ishikawa, Japan)
									3	a90039	Japanese Wind Turbine Industry Report, 2009-2016	Takashi Matsunobu (Renewable Energy Solution Div. Hitachi Ltd. Tokyo, Japan)
									4	a90281	Japanese Wind Market and Technology Review	Takashi Matsunobu (Hitachi Ltd.)
									5	a90943	LITERATURE REVIEW OF ENVIRONMENTAL ISSUES RELATED TO WIND POWER	Naresh Kumar (Electric Power Research Institute)
Area V: Wind Energy	Oral Session	O-We-2	Social and Environmental Issues/COE of Wind Power	19-Jun	10:45 - 12:00	301	Takashi Matsunobu (Hitachi Ltd., Japan)	Memi Motosu (Nagoya University, Japan)	1	a90755	TOOLS FOR GOVERNANCE OF WIND ENERGY PROJECT	Yasushi Maruyama (Graduate School of Environmental Studies, Nagoya University, Nagoya, Japan)
									2	a90639	ELECTRIC POWER SUPPLY SYSTEM TO PORT FACILITIES BY USE OF OFFSHORE WIND ENERGY AND ITS REDUCTION EFFECT OF CARBON DIOXIDE	Satoru Shiraishi (Department of Engineering, Hokkaido University of Science)
									3	a90851	ECONOMIC EVALUATION OF ENHANCED O&M TECHNOLOGY FOR WIND TURBINES	Shoko Takaraawa (Risk Engineering Service development Department, Sampo Risk Management & Health Care Inc., Tokyo, Japan)
									4	a90910	ASSESSMENT OF LEVELIZED COST OF ENERGY CONSIDERING UNCERTAINTY IN DOWNTIME AND REPAIR COST	YUKA KIKUCHI (The University of Tokyo)
									5	a90333	LOCAL ACCEPTANCE OF WIND ENERGY PROJECTS IN A COMMUNITY WITHOUT NEGATIVE CAMPAIGN	Memi Motosu (Graduate School of Environmental Studies, Nagoya University, Japan)
Area V: Wind Energy	Oral Session	O-We-3	Plant Design and Management/Operation and Maintenance/Tower and	19-Jun	9:15 - 11:00	302	Hiroshi Imamura (Wind Energy Institute of Tokyo, Inc., Japan)	Yukinobu Uchida (DNVGL, Japan)	1	a90772	Evaluation of wind loads by a passive yaw control at the extreme wind speed condition and its verification by measurement	Soichiro Kiyoki (Power Business Unit, Hitachi, Ltd., Japan)
									2	a90311	MODELING OF FAILURE FACTORS OF WIND TURBINES IN AKITA PREFECTURE FOR MAINTENANCE PLANNING	Nozomu Mishima (Graduate School of Engineering Science, Akita University, Akita, Japan)
									3	a90363	DAMAGE INVESTIGATION OF EXISTING ONSHORE WIND TURBINE FOUNDATION	Masanori Okawa (Hosei University, Tokyo, Japan)
									4	a90398	POWER CURVE MEASUREMENT OF HTW5.2-136 WIND TURBINE WITH DOPPLER LIDAR	Emi Fujita (Power Business Unit, Hitachi, Ltd., Japan)
									5	a90728	FIELD MEASUREMENTS AND ANALYTICAL RESULTS COMPARISON OF BLADE TIP RESPONSE OF A WIND TURBINE CONSIDERING THE APPROACHING WIND SPATIAL CORRELATION	Kichiro Kimura (Department of Civil Engineering, Tokyo University of Science, Japan)
									6	a90937	Accuracy of offshore wind measurements using a scanning LiDAR	Susumu Shimada (National Institute of Advanced Industrial Science and Technology)
									7	a90975	Consideration of wind turbine wake for improving wind resource analysis and load of wind turbine	Kenji Yoshimizu (Power and Industrial Systems R&D center, TOSHIBA)
Area V: Wind Energy	Oral Session	O-We-4	Airborne Wind Power Technology	19-Jun	11:15 - 12:00	302	Shigeo Yoshida (Kyushu University, Japan)		1	a90884	DEVELOPMENT REPORT OF GROUND GENERATION SYSTEM- Universal Pumping Motion Generating Mechanism Including Airborne Wind Power-	Hiroki Endo (Kyushu University)
									2	a90570	TETHERED HIGH SKY WIND ENERGY GENERATION (HSWG) PROGRESS REPORT IN 2018	Hironori A. FUJII (TMIT Research Center, Tokyo, Japan)
									3	a90658	Modelling and Control of Kite Power System	Tarek Naem Dief (Research Institute for Applied Mechanics (RIAM), Kyushu University)
Area V: Wind Energy	Oral Session	O-We-5	Grid Connection and Electrical Systems 1	19-Jun	13:00 - 15:00	301	Junji Kondoh (Tokyo University of Science, Japan)	Nobuyuki Honjo (Electric Power Development Co., Ltd.)	1	Invited5-1	Advances in wind integration, recent findings from international collaboration	Hannale Holtinen (VTT)
									2	a90046	THE TRANSITION OF THE DANISH POWER SYSTEM FROM A FOSSIL FUELLED SYSTEM TO PRESENTLY HAVING 40% WIND PENETRATION	Peter B Eriksen (Energinet, TSO, Denmark)
									3	a90212	WIND POWER GENERATION AND TRANSMISSION UNBUNDLING IN THE U.S.	Kota Sugimoto (Graduate School of Economics, Kyoto University, Kyoto, Japan)
									4	a91103	PROJECT OVERVIEW OF "GRID INTEGRATION OF VARIABLE RENEWABLE ENERGY: MITIGATION TECHNOLOGIES ON OUTPUT FLUCTUATIONS OF RENEWABLE ENERGY GENERATIONS IN POWER	Takahiro Suga (Science & Engineering Systems Division, ITOCHU Techno-Solutions Corporation, Tokyo, Japan)
									5	a90055	COMPARATIVE STUDY BETWEEN FUZZY LOGIC CONTROLLED PMSG AND DFIG BASED WIND TURBINES TO STABILIZE GRID CONNECTED WIND FARM	Md. Rifat Hazari (Department of Electrical and Electronic Engineering, Kitami Institute of Technology (KIT), 165 Koen-cho, Kitami, Hokkaido 090-8507, Japan)
									6	a90340	Analysis of Voltage Flicker by Multiple Small Wind Turbines	Kenta Kashiwaya (Tokyo University of Science, Chiba, Japan)
									7	a90325	EVALUATION OF IEC 61400-21 CALCULATED HARMONICS AND VOLTAGE FLUCTUATIONS FOR DOUBLE FED ASYNCHRONOUS GENERATOR WIND TURBINE AT DIFFERENT GRID CONFIGURATIONS:	Ali M. Khazma (Regional Center for Renewable Energy and Energy Efficiency (RCREEE), Cairo, Egypt)

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Area V: Wind Energy	Oral Session	O-We-6	Grid Connection and Electrical Systems 2	19-Jun	15:15 - 17:15	301	Kazuto Yukita (Aichi Institute of Technology, Japan)	Hannale Holtinen (VTT Technical Research Centre of Finland)	1	a90534	OUTPUT POWER VARIATION OF A 5-KW CLASS SMALL WIND TURBINE	Junji Kondoh (Department of Electrical Engineering, Tokyo University of Science, Chiba, Japan)
									2	a90814	LABORATORY SCALE TESTBED BY AN ENGINE GENERATOR TO DEMONSTRATE FREQUENCY REGULATION	Junji Kondoh (Tokyo University of Science)
									3	a91052	METRICS FOR EVALUATING WIND POWER RAMP FORECASTING	Kenji Yoshida (ITOCHU Techno-Solutions Corporation, Tokyo, Japan)
									4	a91092	Impact of Wind Power Ramp Forecasts on Japanese Power System Operations	Yusuke Udagawa (Institute of Industrial Science, the University of Tokyo)
									5	a90952	PROBABILISTIC PREDICTION FOR WIND POWER RAMP EVENTS USING REGIONAL ENSEMBLE METHOD	Daisuke Nohara (Central Research Institute of Electric Power Industry)
									6	a91058	PREDICTION-STEP-DEPENDENT EXPERT ADVICE: APPLICATION TO WIND ENERGY RAMP FORECASTING	Tomoya Takeuchi (Institute of Industrial Science, the University of Tokyo, Japan)
									7	a90971	SENSITIVITY OF THE WRF MODEL TO INITIAL/BOUNDARY CONDITIONS IN THE NUMERICAL PREDICTION OF WIND SPEED RAMPS IN HOKKAIDO, JAPAN	Van Quang Doan (Center for Computational Sciences, University of Tsukuba, Tsukuba, Japan)
									8	a91014	Development of Wind Power Ramp Forecast System based on Statistical and Meteorological Approach	Maki OKADA (Energy Section, Environmental and Energy Department, Japan Weather Association, Japan)
Area V: Wind Energy	Oral Session	O-We-7	Advanced Wind Turbine Technology 1	19-Jun	13:00 - 14:45	302	Ryo Amano (University of Wisconsin-Milwaukee, USA)	Yuji Ohya (Kyushu University, Japan)	1	a90424	COMPUTATIONAL FLUID DYNAMICS ANALYSIS OF HORIZONTAL AXIS WIND TURBINES PERFORMANCE	Michael Sakala (University of the Ryukyus)
									2	a90743	A NUMERICAL STUDY OF THE RELATION BETWEEN WAKE STRUCTURE AND WIND FLUCTUATION	Keita Kimura (The University of Tokyo)
									3	a90517	DESIGN AND ANALYSIS OF AIRFOILS FOR LARGE WIND TURBINES	Xabier Munduate (Wind Turbine Technology R&D, CENER, SPAIN.)
									4	a90673	CIRCULATION CONTROL FOR THE ROTORS OF LARGE HORIZONTAL AXIS WIND TURBINES	Peter McKeich Jamieson (CDT in Wind and Marine Energy, University of Strathclyde, Glasgow, UK)
									5	a90578	EFFECT OF TURBULENCE INTENSITIES ON PRESSURE DISTRIBUTION OF WIND TURBINE NACELLES IN WIND TUNNEL EXPERIMENT	Yifeng Liu (Department of Civil Engineering, University of Tokyo, Tokyo, Japan)
									6	a90125	STUDY OF WIND TURBINE WAKES IN WIND FARM	Ryo Samuel Amano (University of Wisconsin-Milwaukee)
									7	a90381	EFFECT OF RING-PLATE CONFIGURATION ON A CIRCULAR CYLINDER BLADES WIND TURBINE DRIVEN BY LONGITUDINAL VORTEX	Kasumi Sakamoto (Department of Science of Technology Innovation, Nagaoka University of Technology, Japan)
Area V: Wind Energy	Oral Session	O-We-8	Advanced Wind Turbine Technology 2	19-Jun	15:15 - 17:00	302	Peter Jamieson (University of Strathclyde, UK)	TBD	1	a91159	Lift Enhancement of a Rotating Cylinder for Magnus Wind Turbine	Masaya Ueki (Department of Mechanical Systems Engineering, Utsunomiya University, Tochigi, Japan)
									2	a90453	A NEW WIND TURBINE SYSTEM USING MULTIPLE ROTORS WITH BRIMMED DIFFUSERS (Multi-Lens Turbine)	Yuji Ohya (Research Institute for Applied Mechanics, Kyushu University)
									3	a90395	Effective Utilization of Wind Energies by the Wind Solar Tower- Harnessing Solar Energies and Wind Energies by One Simple Device -	Koichi Watanabe (Platform of Inter/Transdisciplinary Energy Research, Kyushu Univ., Fukuoka, Japan)
									4	a90319	THE EXPERIMENT OF FRICTIONLESS PIVOT BALL TYPE BEARINGS FOR VAWT	Yasuo Ueno (individual)
									5	a90426	Start-Up Mechanism of a VAWT Consisting of Three Quarter Circular-Arc Blades Attached to a Cylindrical Core	Yoshiaki Ueda (Department of Mechanical Engineering, Setsunan University, Osaka, Japan)
									6	a90290	Dynamics Modification of Passive Pitch-Control for Small-Scaled Wind-Turbine	Faramarz Alsharif (Kitami Institute of Technology)
									7	a91121	NUMERICAL ANALYSIS OF AERODYNAMIC NOISE GENERATED BY INTERACTION BETWEEN KARMAN VORTEX AND CYLINDER WING	Yoshihiko Sorokin (National Institute of Technology, Kure College)
Area V: Wind Energy	Oral Session	O-We-9	Offshore Wind Energy 1	20-Jun	9:00 - 10:15	302	TBD	Hideyuki Suzuki (The University of Tokyo, Japan)	1	a90021	STUDY ON ACCESSIBILITY AND DESIGN CONDITION OF OFFSHORE WINDTURBINE BASED ON FIELD OBSERVATION OFF KITA-KYUSYU CITY	Toshihiko Nagai (ECOH Co. Tokyo, Japan)
									2	a90602	ESTIMATION OF OFFSHORE WIND PROPERTY ALONG PATHWAY OF FERRY	Akihiro Honda (North Japan Research Institute for Sustainable Energy, Hirosaki University, Aomori, Japan)
									3	a90928	DYNAMIC RESPONSE OF A SEMI-SUBMERSIBLE FLOATING WIND TURBINE BASED ON AUGMENTED MORISON'S EQUATION	Yuliang Liu (Department of Civil Engineering, The University of Tokyo)
									4	a90759	DYNAMICS ANALYSIS OF FLOATING OFFSHORE WIND TURBINE SYSTEM CONSIDERING DIFFERENT WIND TURBINE SIZE	Giwangkara Ricky Perdana (Department of Civil Engineering, The University of Tokyo, Tokyo, Japan)
									5	a90893	WATER TANK MODEL EXPERIMENT OF THE 1/40 SCALE 1MW FLOATING AXIS WIND TURBINE	Hiromichi Akimoto (Graduate School of Engineering, Osaka University, Osaka, Japan)

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Area V: Wind Energy	Oral Session	O-We-10	Offshore Wind Energy 2	20-Jun	10:30 - 12:00	302	Akihiro Honda (Hirosaki University, Japan)	TBD	1	a90199	DEMONSTRATION RESULTS OF INDIVIDUAL BLADE PITCH ANGLE CONTROL: IMPROVING POWER PERFORMANCE OF FLOATING OFFSHORE WIND TURBINE	Hiromu Kakuya (Wind Turbine Generator Systems Department, Power Business Unit, Hitachi, Ltd., Ibaraki, Japan)
									2	a90409	WIND TUNNEL TEST WITH INDIVIDUAL BLADE PITCH CONTROL WIND TURBINE MODEL IN WIND SHEAR	Toshiki Chujo (Offshore Energy and Underwater Technology Department, National Maritime Research Institute, Japan)
									3	a90725	The effect of control on the responses of an offshore wind turbine	Iman Yousefi (Civil Engineering Department, The University of Tokyo, Tokyo, Japan)
									4	a90904	VERIFICATION OF LOAD CALCULATION BASED ON SITE MEASUREMENTS OF A 7MW OFFSHORE WIND TURBINE ON V-SHAPED SEMI-SUBMERSIBLE FLOATING STRUCTURE	Akihiro Nakamura (Offshore Wind Turbine Department, Mitsubishi Heavy Industries, Ltd., Japan)
									5	b90033	TOWER INSTALLATION FOR OFFSHORE WIND TURBINE USING A CATAMARAN VESSEL AND AN ACTIVE GRIPPER FORCE METHOD	Jingzhe Jin (Energy and Transport, SINTEF OCEAN AS, Trondheim, Norway)
									6	a90430	THE THREE-DIMENSIONAL AERODYNAMIC FORCE ON AN AIRFOIL IN GIRD-GENERATED TURBULENCE	Shaopeng Li (School of Civil Engineering, Chongqing University, Chongqing, China)
Area V: Wind Energy	Oral Session	O-We-11	Offshore Wind Energy 3 (AreaV & VIII Joint session)	20-Jun	13:00 - 14:30	302	TBD	Tetsuya Kogaki (AIST, Japan)	1	a90881	THE FUTURE OF OFFSHORE WIND IS FLOATING	Sebastian Bringsvaerd (Statoil)
									2	a90420	New concept and prototype verification for offshore wind power generation system	Tatsuhiko Nagata (Individual)
									3	a90977	TRIBOLOGY STUDIES OF OFFSHORE WIND TURBINES	Srikanth Narasimalu (Energy Research Institute @ NTU, Singapore)
									4	a90901	REMOTE MONITORING AND MAINTENANCE OF 7MW FLOATING OFFSHORE WIND TURBINE	Keigo Kawai (Mitsubishi Heavy Industries, Ltd., Offshore Wind Turbine Department)
									5	a90746	DULABILITY TEST OF 5.2MW WIND TURBINE NACELLE 2ND REPORT	Ikuo Tobinaga (Power Business Unit, Hitachi, Ltd)
									6	a90317	SUPPRESSION OF TOWER PITCHING VIBRATION OF A FLOATING OFFSHORE WIND TURBINE BY CONTROLLING EACH BLADE-PITCH ANGLE ALONG A ROTATIONAL VIBRATION MANIPULATION FUNCTION	Takuya Hioki (Department of mechanical engineering, Graduate school of Mie University, Mie, Japan)
Area V: Wind Energy	Oral Session	O-We-12	Offshore Wind Energy 4	20-Jun	15:00 - 17:00	302	TBD	Toshihiko Nagai (ECOH Co. Tokyo, Japan)	1	Invited5-2	THE DEVELOPMENT OF OFFSHORE WIND POWER IN TAIWAN: CHALLENGES AND PROSPECT	Chin-Cheng Huang (INER)
									2	a90841	FATIGUE LOAD ON FLOATING OFFSHORE WIND TURBINE AT TOWER BASE DURING POWER PRODUCTION	Danupon Subanapong (Department of civil engineering, University of Tokyo, Tokyo, Japan)
									3	a90370	AN EMPIRICAL DESIGN FORMULA OF A SHARED PILE ANCHOR FOR A FLOATING OFFSHORE WIND TURBINE	Kenji Shimada (Institute of Technology, Shimizu Corporation)
									4	a90864	Response Characteristics of DeepCWind floating wind turbine moored by a single point mooring system	Yingyi Liu (Research Institute for Applied Mechanics, Kyushu University, 816-8580, Fukuoka, Japan)
									5	a90269	PERFORMANCE AND MOORING QUALIFICATION IN FLOATGEN : THE FIRST FRENCH OFFSHORE WIND TURBINE PROJECT	Thomas Choisnet (Ideol)
									6	a91041	ESTIMATION OF MODAL DAMPING OF AN OFFSHORE WIND TURBINE ON A GRAVITY FOUNDATION	Lilin Wang (Department of Civil Engineering, School of Engineering, the University of Tokyo, Japan)
									7	a90615	EXPERIMENTAL STUDY ON NEW SPAR DESIGN FOR FLOATING OFFSHORE WIND TURBINE	Shigesuke Ishida (Institute of Ocean Energy, Saga university)
Area V: Wind Energy	Oral Session	O-We-13	Small/Distributed Wind Power 1	20-Jun	13:00 - 14:45	303	Takahiro Kiwata (Kanazawa University, Japan)	Mitsumasa Iino (Ashikaga University, Japan)	1	a90303	ON BASIC PERFORMANCE OF A NEW AND SIMPLE VERTICAL-AXIS WINDMILL	Hironobu Sato (Department of Mechanical Engineering, Doshisha University, Kyoto, Japan)
									2	a90562	NUMERICAL ANALYSIS ON THE EFFECTS OF ARM ON THE STRAIGHT BLADE OF A VERTICAL AXIS WIND TURBINE	Naoki Horita (Tottori University)
									3	a90210	DEVELOPMENT OF HIGH SECURITY AND FOLDABLE BLADE DEVICE FOR PORTABLE SMALL HORIZONTAL AXIS WIND TURBINE	Yi-Lun Tsai (Graduate Institute of Mechatronic System Engineering, National University of Tainan, Tainan, Taiwan)
									4	a90761	EFFECT OF POSITION IN A SHEAR FLOW ON PERFORMANCE OF STRAIGHT-BLADED DARRIEUS WIND TURBINE	Takahiro Watari (Division of Mechanical Science and Engineering, Kanazawa University, Ishikawa, Japan)
									5	a90391	INFLUENCE OF AERODYNAMIC INTERACTION ON PERFORMANCE OF HYBRID TURBINE	Ryota Iwasaki (Osaka Prefecture University, 599-8531 Japan)
									6	a90121	EXPERIMENTAL STUDY OF THE PROTUBERANCE EFFECT ON THE BLADE PERFORMANCE OF SMALL SCALE HORIZONTAL AXIS WIND TURBINE	Guo Yuan Huang (Aeronautical Systems Research Division, National Chung-Shan Institute of Science and Technology, Taiwan)
									7	a90161	EXPERIMENTS AND MECHANISM DESIGN OF PASSIVE PITCH CONTROL ON SMALL HORIZONTAL AXIS WIND TURBINE	CHEN YU JEN (Aeronautical Systems Research Division, National Chung-Shan Institute of Science and Technology, Taichung, Taiwan)
Area V: Wind Energy	Oral Session	O-We-14	Small/Distributed Wind Power 2	20-Jun	15:00 - 16:30	303	Yutaka Hara (Tottori University, Japan)	TBD	1	a90342	STUDY ON UPSCALING OF CROSS-FLOW WIND TURBINE WITH TWO FLOW DEFLECTORS AS WIND COLLECTOR	Tadakazu Tanino (Department of Mechanical Engineering, National Institute of Technology, Kurume College, Fukuoka, Japan)

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									2	a90926	NUMERICAL ANALYSIS OF AERODYNAMIC PERFORMANCE FOR INVERSE TAPERED BLADES	Abdo elawady halima (ASHIKAGA INSTITUTE OF TECHNOLOGY)
									3	a90461	EFFECT OF DIFFUSER WITH FLANGE ON PERFORMANCE OF CROSS FLOW WIND TURBINE	Yuki Morita (Graduate School of Natural Science and Technology, Kanazawa University, Japan)
									4	a90359	A NEW CONCEPT OF STEADY LIFT-FORCE GENERATION ON A CIRCULAR CYLINDER IN A UNIFORM FLOW BY LONGITUDINAL VORTEX	Withun - Hemsuwan (Graduate School of Engineering, Nagaoka University of Technology, Niigata, Japan)
									5	a90224	COMMERCIAL WIND TURBINES' SUITABILITY FOR LOW-WIND AREAS IN MALAYSIA	Woan Wen Tan (Faculty of Engineering, Multimedia University, Cyberjaya, Malaysia)
									6	a90688	NUMERICAL SIMULATION ON PERFORMANCE OF ORTHOPTER-TYPE WIND TURBINE IN UNIFORM AND SHEAR FLOWS	Rudi Purwo Wijayanto (Graduate School of Natural Science and Technology, Kanazawa University, 920-1192 Japan)
Area V: Wind Energy	Oral Session	O-We-15	Site Assessments and Forecasting 1	21-Jun	9:00 - 10:30	315	TBD	Susumu Shimada (AIST, Japan)	1	a90069	MULTI CRITERIA DECISION ANALYSIS OF WIND ENERGY POTENTIAL IN NORTH PART OF IRAN	Saeid Mohammadzadeh Bina (Graduate School of Engineering and Resource Science, Akita University, Akita, Japan)
									2	a91075	WIND AND SOLAR ENERGY POTENTIAL IN VENEZUELA	David Eliecer Carrillo (Department of Aeronautics and Astronautics, Kyushu University, Fukuoka, Japan)
									3	a91117	A COMPARATIVE STUDY OF REGIONAL WIND POWER FORECASTING: DIRECT APPROACH AND AGGREGATING APPROACH	Kazutoshi Higashiyama (Department of Electrical Engineering and Bioscience, Waseda University, Tokyo, Japan)
									4	a90323	OFFSHORE WIND RESOURCE ASSESSMENT ON THE WEST COAST OF AWAJI ISLAND (COMPARISON BETWEEN IN-SITU AND WRF-SIMULATED WIND SPEEDS)	Shogo Uchiyama (Graduate School of Maritime Sciences, Kobe University, 658-0022 Japan)
									5	a90423	OFFSHORE WIND RESOURCE ASSESSMENT ON THE WEST COAST OF AWAJI ISLAND (COMPARISON BETWEEN GALION DOPPLER LIDAR AND METEOROLOGICAL MAST)	Ryuzo Araki (Japan Meteorologica Corporation, 556-0021 Japan)
									6	a90273	ON THE WIND RESOURCE ASSESSMENT OF THE SOUTHERNMOST REGION OF THAILAND	Jompob - Waewsak (Thaksin University, Thailand)
Area V: Wind Energy	Oral Session	O-We-16	Site Assessments and Forecasting 2	21-Jun	10:45 - 12:15	315	Takanori Uchida (Kyusyu University, Japan)	Yuko Ueda (Wind Energy Institute of Tokyo, Inc., Japan)	1	a90264	High resolution three-dimensional wind analyses depending on the atmospheric stability in the observation fields with topographical features	Yoshiro Ohgi (Kumamoto Industrial Research Institute)
									2	a90775	A Study on the Effects of Terrain-induced Turbulence on Wind Turbine Blade Fatigue Loads	Yasushi Kawashima (WEST JAPAN ENGINEERING CONSULTANTS, INC., Fukuoka, Japan)
									3	a90738	Development of quantitative evaluation method of wake loss using mockup model of real wind turbine.	Yoshihiro Taniyama (Power and Industrial Systems R&D center, TOSHIBA)
									4	a90793	NUMERICAL SIMULATION ON EXPANSION AND ENERGY RECOVERY OF WIND TURBINES' WAKES	Yosuke Shinozaki (Graduate School of Engineering, The University of Tokyo, Japan)
									5	a90463	Evaluation of Reanalysis Data of ERA-Interim and JRA-55 with in-situ Measured Wind Data	Muhammad Salman Sarfraz (Department of Mechanical Engineering, University of Engineering & Technology, Lahore, Pakistan)
									6	a90427	CFD-based approach for high-resolution wind resource assessment over complex terrains considering wind speed and direction correction	BOWEN YAN (School of Civil Engineering, Chongqing University)
Area V: Wind Energy	Poster Session	P-We	Wind Energy	20-Jun	11:00 - 12:00	foyer			1	a90092	THE VALIDATION OF THE WAVE FREQUENCY MOTION OF FLOATING SUBSTATION	Ken Kamizawa (Japan Marine United Corporation)
									2	a90207	EXPERIMENTAL INVESTIGATIONS FOR A CURRENT-SOURCE TYPE WIND TURBINE GENERATOR SYSTEM USING A SELF-EXCITED SYNCHRONOUS GENERATOR	Masashi Yamauchi (Department of Electrical and Electronic Engineering, Tokyo Denki University, Tokyo, Japan)
									3	a90537	NUMERICAL STUDY OF DISTRIBUTED HYDRODYNAMIC FORCES ON CIRCULAR HEAVE PLATES BY LARGE EDDY SIMULATIONS	Shining Zhang (Economic & Technology Research Institute, Global Energy Interconnection Development and Cooperation Organization, Beijing, China)
									4	a90568	COMPARISON BETWEEN MEASURED VALUE AND SIMULATED VALUE OF MOTION AND MOORING FORCE IN MITSUBISHI FLOATING OFFSHORE WIND TURBINE	Masao Komatsu (Mitsubishi Shipbuilding Co., Ltd., Marine Engineering Center)
									5	a90608	LEARNING FROM FIELD TEST REGARDING DAMPING OF A FLOATER MOTION -2MW FOWT "FUKUSHIMA MIRAI"-	Hiroshi Yamaguchi (AKISHIMA LABORATORIES(MITSUI ZOSEN)INC.)
									6	a90612	EXPERIMENTAL STUDY ON THE GROUTED CONNECTION OF A MONOPILE OF OFFSHORE WIND TURBINE	Daigo Ishii (Institute of Technology, Shimizu Corporation, Japan)
									7	a90709	DRIVETRAIN ANALYSIS OF FLOATING OFFSHORE WIND TURBINE	YOSHITAKA TOTSUKA (Wind Energy Institute of Tokyo Inc., Tokyo, Japan)
									8	a90784	SYNTHETIC ROTOR INERTIA COMPENSATION METHOD FOR DYNAMIC WIND TUNNEL TESTS OF VARIABLE SPEED WIND TURBINES	Shigeo Yoshida (Research Institute for Applied Mechanics, Kyushu University)
									9	a90868	Fluid-Structure Interaction Computations for Wind Turbine Blade	Amr M. Halawa (Department of Earth System Science and Technology, Kyushu University, Fukuoka, Japan)
									10	a90967	STEADY-STATE CHARACTERISTICS OF A HYBRID WIND TURBINE GENERATOR SYSTEM CONSISTING OF SERIES-CONNECTED PLURAL WIND TURBINE/GENERATORS	Kazuki Tsuruta (Department of Electrical and Electronic Engineering, Tokyo Denki University, Tokyo, Japan)

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									11	a91004	RESEARCH ON REDUCTION OF SOUND PRESSURE LEVELS OF UNDERWATER NOISE FROM OFFSHORE WIND TURBINES BY SEAGRASS COMMUNITY	Shinji Kiriara (North Japan Research Institute for Sustainable Energy, Hirosaki University, Aomori, Japan)
									12	a91086	RECENT TRENDS OF OFFSHORE FLOATING WIND PROJCTS	Tomohiro Hasumi (Environmentat and Energy Divison 2, Mizuho Information and Research Institute, Inc., Tokyo, Japan)
									13	a90109	Numerical study of a turbine with helical and airfoil blades in a new heat-driven swirling wind energy system	Mingxu Zhang (Xi'an Jiaotong University, Xi'an, China)
									14	a90435	Study on Flow in The Vicinity of Rotor Blade of Horizontal Axis Wind Turbine under Operation	Yutaka Tsurumi (Division of Mechanical Engineering, Mie University, Mie, Japan)
									15	a90694	TIP/ROOT LOSS EFFECTS ON OPTIMIZATION OF WIND TURBINE BLADES IN CONSTRAINED FLOW USING GENERALIZED BEM METHOD	Shigeo Yoshida (Research Institute for Applied Mechanics, Kyushu University, Kasuga, Japan)
									16	a90721	INVESTIGATION OF AIRBORNE WIND POWER GENERATOR USING KITE	Yang Ho Seong (Department of Mechanical Engineering, Korea Maritime and Ocean University, Busan, Korea)
									17	a90799	AEROELASTIC SIMULATION TOOL FOR LARGE SCALE VERTICAL AXIS WIND TURBINES	Shigeo Yoshida (Research Institute for Applied Mechanics, Kyushu University)
									18	a90823	EFFECT OF STATIONARY VANES ON WIND SPEED DISTRIBUTION IN DRAG FORCE TYPE MULTI-BLADE VERTICAL AXIS WIND TURBINE	Kazuhisa Naoi (Nihon University, College of Science and Technology, Department of Electrical Engineering, Tokyo, Japan)
									19	a90986	LARGE WIND TURBINE BLADES LAYER DESIGN AND STRUCTURE ANALYSIS	Rui Yang (Energy and Power Engineering College of Lanzhou University of Technology, China)
									20	a91046	STUDY ON WINGTIP VORTICES OF VERTICAL AXIS TYPE MAGNUS WIND TURBINE	Yusuke Kimura (National Institute of Technology, Kure College)
									21	a91076	DYNAMIC LOAD ANALYSIS OF A LARGE-SCALE VERTICAL AXIS WIND TURBINE-GENERATOR SYSTEM USING AERO-ELASTIC-CONTROL COUPLED SIMULATION	Tetsuya Wakui (Osaka Prefecture University)
									22	a91138	A NEW HORIZONTAL WIND TURBINE WITH A CIRCULAR CYLINDERDRIVEN BY LONGITUDINAL VORTEX SYSTEM	Naoki Hata (National Institute of Technology, Kure College)
									23	a90385	INVESTIGATION OF WRF SIMULATED HORIZONTAL WIND SPEED GRADIENT USING SCANNING LIDAR MEASUREMENT	Takeshi Misaki (Gaduate School of Maritime Sciences, Kobe University, Hyogo, Japan)
									24	a90465	NUMERICAL AND ANALYTICAL STUDY OF WIND TURBINE WAKES IN YAWED CONDITION	Takeshi Ishihara (Department of Civil Engineering, The University of Tokyo, Tokyo, Japan)
									25	a90561	Overview of "wind power" and "wind ramp" climate in Japan	Masamichi Ohba (Central Research Institute of Electric Power Industry)
									26	a90707	Evaluating Turbine Wake Dynamics in Complex Terrain with a Scanning LiDAR Device	Ken-Ichi Kouso (Japan Meteorological Corporation, 556-0021 Japan)
									27	a90771	WIND RESOURCE PREDICTION BY MSSG WITH 50M-MESH	Wataru Sasaki (Wind Energy Institute of Tokyo, Inc., Tokyo, Japan)
									28	a90794	REPRESENTATION OF PREFECTURES CENSUS DATA ON WIND POWER BY CARTOGRAM	Kenkichi Sato (Gia Kofuza)
									29	a90885	A STUDY ON HOW TO ESTIMATE OFFSHORE WIND CONDITION USING ONSHORE OBSERVATION DATA AND NUMERICAL SIMULATION	Mizuki Konagaya (E&E Solutions Inc., Tokyo, Japan)
									30	a90955	Medium-range probabilistic forecasts of wind power generation based on a hybrid multi-model analog ensemble for the in East Japan	Shinji Kadokura (Environmental Science Research Laboratory, Central Research Institute of Electric Power Industry)
									31	a90541	Metocean measurement at Fukushima offshore site	Taki Shigeru (Department of Civil Engineering, University of Tokyo, Japan)
									32	a90485	NUMERICAL SIMULATION ON EFFECT OF AMBIENT TEMPERATURE ON WIND TURBINE BLADE ICING	Yan Li (Northeast Agricultural University, Harbin, China)
									33	a90740	Development of Risk Evaluation Model for Onshore and Offshore Wind Farms	Tomohiko Inamura (Sompo Risk Management & Health Care Inc.)
									34	a90762	A Study of Vibration Analysis for Small Vertical Axis Wind Generation System	Kazuhiro Minemura (Aichi Institute of Technology, Electrical Engineering)
									35	a91027	LUBRICANT CONDITION MONITORING IN GEARBOX FOR WIND TURBINE O&M	Kyoko Kojima (Hitachi, Ltd., R&D Group, Tokyo, Japan)
									36	a91036	EXAMINATION OF THE NEDO FAILURE AND ACCIDENTS OF WIND TURBINES DATABASE IN JAPAN	Keiji Nijima (GHG&Energy Solution Group, Environment Division, E&E Solotions, Inc., Tokyo, Japan)
									37	a90336	FEM ANALYSIS AND FATIGUE EVALUATION FOR THE BOLT JOINT BETWEEN NACELLE AND TOWER TOP FLANGE OF A WIND TURBINE	Haruyuki Namba (Department of Civil Engineering, The University of Tokyo, Tokyo, Japan)

Area Name	Session Class	Session No.	Session Name	Date	Time	Room	Chair1	Chair2	ID No.	Abstract Title	First Author	
									38	a90324	WIND SHEAR ESTIMATION BASED ON LOAD MEASUREMENT OF A WIND TURBINE TOWER	Nobuo Namura (Research and Development Group, Hitachi, Ltd., Japan)
									39	a90597	THE INFLUENCE OF ERROR FACTORS ON WIND TURBINE PERFORMANCE USING A NACELLE-MOUNTED LIDAR SYSTEM	Nobutoshi Nishio (Graduate school of Engineering, The University of Tokyo, Japan)
									40	a90617	NEW DIAGNOSIS METHOD FOR WIND TURBINE FAILURE PREDICTION BY COMPREHENSIVE VIBRATION ANALYSIS	Takashi Fujii (Solution business department, DIESEL UNITED, LTD., Japan)
									41	a91055	NUMERICAL ANALYSIS ON AERODYNAMIC SOUND SOURCES GENERATED BY LONGITUDINAL VORTEX	Kouta Samura (National Institute of Technology, Kure College)
									42	a91131	EXPERIMENTAL STUDY ON CHARACTERISTICS OF PRESSURE FLUCTUATIONS OF LONGITUDINAL VORTEX SYSTEM GENERATED AROUND THE LEADING EDGE OF A DELTA WING	Hiroki Okada (National Institute of Technology, Kure College)
									43	a90242	AIR RESISTANCE OF THE AERODYNAMIC BRAKE ON A GYRO-MILL TYPE VERTICAL AXIS WIND TURBINE	Yoshiaki Tanzawa (Department of Products Engineering and Environmental Management, Nippon Institute of Technology, Saitama, Japan)
									44	a90393	Measurement of Aerodynamic Forces Acting on Support Structure of a Straight-Bladed Vertical Axis Wind Turbine	Keiichirou Kawai (Division of Mechanical Engineering, Mie University, Mie, Japan)
									45	a90469	Field test and dynamic simulation of Small Wind turbine performance under highly turbulent condition	Tebogo Poee (Ashikaga institute of Technology)
									46	a90563	COMPUTATIONAL FLUID DYNAMICS ANALYSIS ON WIND TURBINE ROTOR WHICH CAN OPERATE AS BOTH HORIZONTAL AND VERTICAL AXIS TYPES	Genki Kinoshita (Tottori University)
									47	a90581	EXPERIMENTAL STUDY ON LOAD IMPACT ACTING ON STRAIGHT-BLADED VERTICAL AXIS WIND TURBINE	Yuhei Hoshino (Division of Mechanical Engineering, Mie University, Mie, Japan)
									48	a90801	AN EXPERIMENTAL STUDY OF RIBBON TYPE WIND TURBINE IN A RING WITH A FLANGE AT THE REAR EDGE	Hajime Motohashi (National Institute of Technology, Tsuruoka College, Yamagata, Japan)
									49	a91021	WIND TUNNEL EXPERIMENTS OF DRAG FORCE ON VAWT ARM	Kazumasa Ameku (Department of Engineering, University of the Ryukyus, Okinawa, Japan)
									50	a90051	Power Prediction Calculation and Pitch Control for a Vertical Axis Wind Turbine	Hideki Nakata (Panasonic Co., Ltd., Osaka 570-8501, Japan)
									51	b90037	STEEL PLATES AND FATIGUE SOLUTION FOR OFFSHORE WIND TURBINES IN THE FUKUSHIMA FLOATING OFFSHORE WIND FARM DEMONSTRATION PROJECT	Yoichi Kayamori (Steel Research Laboratories, Nippon Steel & Sumitomo Metal Corporation)
									52	b90054	OBSERVATIONAL, THEORETICAL AND NUMERICAL ESTIMATIONS ON WIND POWER POTENTIAL IN THE HIDA-GAWA RIVERSIDE AREA IN GIFU PREFECTURE, JAPAN	Jun Yoshino (Graduate School of Engineering, Gifu University, Gifu, Japan)
									53	a90583	Dynamic analysis of OEHV (Ocean Energy Harvesting Vessel)	Shigemitsu Aoki (FREA, AIST, Fukushima, Japan)