

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	Chari2	ID No.	Abstract Title	First Author	
Area VI: Biomass Utilization & Conversion	Oral Session	O-Bc-1	6-1 & 6-3	21-Jun	9:40 - 12:00	302	Kinya Sakanishi (AIST, Japan)	Tika Pokharel (Tokyo City University, Japan)	1	a90734	COMPRESSION-GRINDING TREATMENT OF LIGNOCELLULOSIC BIOMASS FOR BIOETHANOL PRODUCTION	Fumio Hasegawa (The University of Tokyo, Tokyo, Japan)
									2	a90554	TECHNO-ECONOMIC ANALYSIS OF BIOETHANOL PRODUCTION FROM AGRICULTURAL RESIDUES IN ASIAN COUNTRIES	Kinya Sakanishi (Fukushima Renewable Energy Institute, AIST (FREAI))
									3	a90377	AN INVESTIGATION OF FIREWOOD CONSUMPTION RATE IN TRADITIONAL COOK STOVES OF RURAL NEPAL	Tika Ram Pokharel (Faculties Environmental and information Studies, Tokyo city University)
									4	a90849	STUDY ON INVERSE DIFFUSION FLAME FORMED IN COMBUSTION FIELD OF WOODY BIOMASS GASIFICATION GAS	Bai Zhiren (Department of Mechanical Engineering, Osaka University, Osaka, Japan)
									5	a90642	Effect of N2 and CO2 on low heating value limit of surrogate syngas from MSW to drive reciprocal spark ignition engine	Kazuki Saito (School of Mechanical Engineering, College of Science and Engineering, Kanazawa University, Ishikawa, Japan)
									6	a90079	WOOD WASTE TWO-STAGE PYROLYTIC CONVERSION INTO SYNTHESIS GAS	Vladimir Alexandrovich Lavrenov (Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia)
									7	a90491	EFFECTS OF MIXING REFUSE DERIVED FUEL AND COCONUT RESIDUES IN GASIFICATION PROCESS	Natvaree Chommontha (The joint graduate school of energy and environment(JGSEE), Centre of Excellence on Energy Technology and Environment (CEE), King
Area VI: Biomass Utilization & Conversion	Oral Session	O-Bc-2	6-4 & 6-5	21-Jun	13:00 - 14:50	302	Yukihiko Matsumura (Hiroshima University, Japan)	Suthum Patumsawad (King Mongkut's University of	1	Invited6-1	Hydroxymethylfurfural and advanced carbon materials: Two sides of the same coin	Andrea Kruse (University of Hohenheim)
									2	BK6-1	Break 10minutes	
									3	a90807	ENERGY- SAVING LIPID EXTRACTION FROM WET MICROALGAE BY LIQUEFIED DIMETHYL ETHER	Hideki Kanda (Department of Materials Process Engineering, Nagoya University)
									4	a90998	ETHANOL AND METHANE PRODUCTION FROM DUCKWEED BIOMASS GROWN IN WASTEWATER EFFLUENTS	Tadashi Toyama (Graduate Faculty of Interdisciplinary Research, University of Yamanashi)
									5	a90574	PRETREATMENT OF RICE STRAW FOR BIOREFINERY APPLICATIONS AND OPTIMIZATION USING RESPONSE SURFACE METHODOLOGY	Nirmal Kumar Srivastava (Department of Chemical Engineering, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India)
Area VI: Biomass Utilization & Conversion	Oral Session	O-Bc-3	6-10 & 6-11	21-Jun	15:00 - 17:00	302	Kenji Koido (Fukushima University, Japan)	Supriyanto (University of Tsukuba, Japan)	1	a90907	RECOVERY OF PHOSPHORUS USING CALCIUM UNDER HYDROTHERMAL CONDITION	Yoshiki Fujiwara (Hiroshima University)
									2	a90908	ECIFICATION AND QUANTITATION OF FERMENTATION INHIBITOR FOR HYDROTHERMAL PULVERIZATION PRETREATMENT USING DISK MILL	Hiroki Yokoyama (Hiroshima University)
									3	a90527	HYDROTHERMAL CARBONISATION OF RICE HUSK FOR FUEL UPGRADING	Suthum Patumsawad (Department of Mechanical Engineering, King Mongkut's University of Technology North Bangkok, Bangkok, Thailand)
									4	a90587	AN ANALYSIS OF LARGE-SCALE SUPPLY COST OF ENERGY CROPS UNDER CLIMATE CHANGE SCENARIOS	Ayami HAYASHI (System Analysis Group, Research Institute of Innovative Technology for the Earth (RITE), Kyoto, Japan)
									5	a90887	MITIGATION EFFECTS OF WOODY BIOMASS USAGE IN ECO AND SOCIAL SYSTEMS	Makoto Ooba (National Institute for Environmental Studies)
									6	a90850	METEOROLOGICAL PARAMETER FOR ESTIMATE THE GROWTH OF POLYCULTURE MICROALGAE TO PRODUCE BIOFUEL IN OPEN RACEWAY POND: CASE STUDY MINAMISOMA, FUKUSHIMA	Supriyanto -- (Graduate School of Life and Environmental Sciences, University of Tsukuba)
Area VI: Biomass Utilization & Conversion	Oral Session	O-Bc-4	6-10 & 6-7	22-Jun	9:00 - 11:40	302	Chika Tada (Tohoku University, Japan)	Elias Gabisa (KMUTT, Thailand)	1	a90909	THE EFFECT OF RESIDENCE TIME ON CHAR FORMATION OF GUAIACOL IN SUPERCRITICAL WATER GASIFICATION	Patraporn Changsuwan (Hiroshima University)
									2	a90906	GASIFICATION CHARACTERISTICS OF SEWAGE SLUDGE IN SUPERCRITICAL WATER	Apip Amrullah (Hiroshima University)
									3	a90371	POTENTIAL OF PHA AND GLYCOGEN ACCUMULATION FROM INDUSTRIAL WASTEWATER IN WASTE ACTIVATED SLUDGE	Daisuke Inoue (Division of Sustainable Energy and Environmental Engineering, Osaka University, Japan)
									4	a90494	ELECTRIC POWER SALES EFFECT IN BIOGAS POWER GENERATION USING ANAEROBIC DIGESTION IN A RANCH OF DAILY COW IN COLD CLIMATE IN EASTERN HOKKAIDO, JAPAN	Hitoshi OGAWA (Research Institute, TAMAGAWA University, Tokyo Japan)
									5	a90645	Energy recovery from residue of microalgae after hydrocarbon extraction	Noriko Osaka (Power Business Dept. Project Development Sect. Tokyo Gas Co., Ltd.)
									6	a90914	Bio-methane production from fishery waste in an anaerobic digestion fish-processing plant using exhaust heat to warm the tank	Chika Tada (Graduate school of agricultural science, Tohoku University)
									7	a90957	BIOGAS PRODUCTION POTENTIAL IN ETHIOPIA AND DERIVED ENVIRONMENTAL BENEFITS: THE CASE OF AMHARA REGIONAL STATES	Elias Wagari Gabisa (Joint Graduate School of Energy and Environment, King Mongkut's University of Technology Thnburi, Bangkok, Thailand)
									8	a90419	Prospectives of Biogas Upgradation and Bottling Technology for Cooking and Vehicular Application in India for Energy Security	Rimika Madan Kapoor (Indian Institute of Technology Delhi, India)
Area VI: Biomass Utilization & Conversion	Poster Session	P-Bc	Biomass Utilization & Conversion	21-Jun	17:00 - 18:00	foyer			1	a90074	EMISSION REDUCTION FOR HIGH-SPEED DIESEL ENGINE USING PALM OIL BIODIESEL BY REPEATED-DISTILLATION PROCESS	Karoon Fangsuwannarak (School of Mechanical Engineering, Suranaree University of Technology, Nakhon Ratchasima, Thailand)

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									2	a90352	Production of bio diesel fuel from <i>Jatropha curcas</i> oil and methyl acetate	Koji Tosa (Department of Applied Chemistry, Kanazawa Institute of Technology, Nonouchi, Ishikawa, Japan)
									3	a90891	PREDICION OF VOLUMETRIC MASS TRANSFER IN BUBBLE COLUMN FROM AN IMMERSSED DOWNWARD NOZZLE	Yusuke SAKAI (Technical Research & Development Division, Kumagaigumi Co., Ltd.)
									4	a91010	CONTROL OF DISTILLATION CHARACTERISTICS OF WASTE COOKING OIL METHYL ESTER BY CROSS-METATHESIS REACTION	Koji Yamane (Dept. of Mechanical Systems Engineering, The Univ. of Shiga Prefecture, Japan)
									5	a90650	Effect of woody biomass moisture content on gasification efficiency and tar components	Masahide Kobayashi (Department of Mechanical Science and Engineering, University of Kanazawa, Ishikawa, Japan)
									6	a90783	STUDY OF SMALL SCALE BIOMASS GASIFIED POWER GENERATION SYSTEMFOR RURAL AREAS IN AFRICAN COUNTRIES	PIAPDJE TAMO MARIUS ULRICH (UNIVERSITY OF ASHIKAGA)
									7	a90476	BIOMASS PRODUCTION OF EUGLENA GRACILIS COUPLED WITH NUTRIENT REMOVAL IN DOMESTIC WASTEWATER	Masashi Kuroda (Graduate School of Engineering, Osaka University)
									8	a90792	UTILIZATION OF AMMONIUM AS A NITROGEN SOURCE BY HYDROCARBON-PRODUCING MICROALGA, <i>BOTRYOCOCCUS BRAUNII</i> SHOWA	Shigeru Okada (Graduate School of Agricultural and Life Sciences, The University of Tokyo, Tokyo, Japan)
									9	a90064	EFFECTS OF TEMPERATURE ON RAPE STRAW PYROLYSIS PRODUCTS USING A BATCH REACTOR	Gabriela Ionescu (Department of Energy Production and Use, University Politehnica of Bucharest, Bucharest, Romania)
									10	a90102	SYNTHESIS GAS PRODUCTION FROM VARIOUS TYPES OF BIOMASS	Yulia Mikhailovna Faleeva (Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia)
									11	a90415	A NOVEL RECYCLING TECHNOLOGY OF BAMBOO USING NAOH	Koujiro Nakaaze (Department of Urban Environment Systems, Chiba University, Chiba, Japan)
									12	a90737	Effects of low-strength ultrasonication on dark fermentative hydrogen production: start-up performance and microbial community analysis	Si-Kyung Cho (Department of Biological and Environmental Science, Dongguk University, South Korea)
									13	a90516	Hydrothermal carbonization of biomass	Kristina Olegovna Krysanova (Joint Institute for High Temperatures of the Russian Academy of Sciences, Moscow, Russia)
									14	a91017	Effective utilization of lignocellulosic biomass with hydrothermal treatment	Motoyuki Okada (Central Laboratory of Finetech, Yokohama, Japan)
									15	a91136	EFFECT OF CELLOBIOSE ON CELLULOSE DISSOLUTION	Yukihiko Matsumura (Hiroshima University)
									16	a90035	ANALYSIS OF REGIONAL EFFECTS CAUSED BY LIBERALIZATION OF THE ELECTRICITY MARKET IN JAPAN	Ayu Washizu (Faculty of Social Sciences, Waseda University, Tokyo, Japan)
									17	a90297	DEVELOPMENT OF SMALL BIOGAS SYSTEM USING A DISPOSER FOR INDUSTRIAL-USE	Yoshifumi Sakaguchi (Takenaka Corporation, 541-0053 Japan)
									18	a90590	SUSTAINABLE PRODUCTION AND UTILIZATION OF ENERGY CROP	Issei Kanai (Graduate School of Agriculture, Tokyo University of Agriculture, Kanagawa Japan)
									19	a90960	LIFE CYCLE ANALYSIS OF BIOGAS DIGESTATE UTILISATION AS A LIQUID FERTILISER FOR FIG CULTIVATION	Kenji Koido (Faculty of Symbiotic Systems Science, Fukushima University)
									20	a91111	The regional economic and environmental effects of the food waste biomass utilization: A case study of Oki Town, Japan	Dami MOON (department of chemical system engineering, the University of Tokyo, Tokyo, Japan)
									21	b90009	BIOFUEL-DRIVEN TRIGENERATION SYSTEMS FOR HIGH-RISE BUILDING APPLICATION IN HONG KONG	KWONG FAI FONG (Division of Building Science and Technology, City University of Hong Kong, Hong Kong)
									22	b90006	CREATING A SUSTAINABLE GREEN ENERGY PLANET (SGP) BY GENERATING SOLAR BIO-ENERGY FROM WASTEWATER AND WASTE	Joy Manglani (Only Nature Endures (ONE) NGO)
									23	b90028	EXPERIMENTAL INVESTIGATIONS IN PH BEHAVIOUR AND CELL POTENTIAL OF BRYOPHYLLUM PINNATUM SOLUTION	Md Nafeez Rahman (Department of Solar Energy Engineering, Dalarna University, Borlange, Sweden)
									24	b90031	A COST BREAKDOWN STRUCTURE ANALYSIS ON GRINDING OF LOGGING RESIDUES: A COMPARATIVE STUDY OF JAPANESE AND AMERICAN OPERATIONS	Takuyuki Yoshioka (Department of Forest Science, Graduate School of Agricultural and Life Sciences, The University of Tokyo, Japan)