Day 1 (29 November)

		Presentation title
Time (Japan)	SessionSession	Authors
		Affiliation
		Country
11:40~11:50	Opening address	Opening address
	- F	Akio Kamimura
11:50~12:30	Pyrolysis I Chairperson: Akio Kamimura	Invited lecture: Production of Diesel from Waste Plastic and Waste Vegetable Oil by Pyrolysis from Screw Pilot Reactor
		Tharapong Vitidsant
		Chulalongkorn University
		Thailand
		Industrial Application of Catalytic Liquefaction of Waste Plastics with Solid Acid
		Catalyst
12:30~12:50		Kaoru Fujimoto
		HiBD Laboratory Association
		Japan
		Fast pyrolysis of COVID-19 PPE kit
40.50 :5:		Nikhilkumar Panchal
12:50~13:10		Indian Institute of Technology Madras
		India
		Characterization of Beach Plastic Wastes by Analytical Py-GC/MS
		Subhan Kumar Pal
13:10~13:30		Indian Institute of Technology Madras
		India
12.20 12.50		
13:30~13:50		Break 20 min.
	Mechanical	Basic concept of "Self Resilience Ability" of polymers and advanced mechanical recycle process
12:50 14:10	recycling I	Shigeru Yao
13:50~14:10	Chairpersons: Yoshito Ando	Fukuoka University
	Hajime Yasuda	Japan
		Regeneration of mechanical properties of linear-low density polyethylene by dynamic
		by shear treatment
14:10~14:25		Akiyoshi Kuramochi
14.10 14.23		Fukuoka University
		Japan
		Effect of new advanced Molten Resin Reservoir on mechanical properties of virgin
		high-density polyethylene
14:25~14:40		Tetsuya Kimura
		Fukuoka University
		Japan
		Development of high-density polyethylene mechanical recycling technique by
		reprocessing with dynamic shear treatment
14:40~14:55		Haruka Kaneyasu
		Fukuoka University
		Japan
14:55~15:10		Investigation on mechanical properties and internal structure of polypropylene block
		copolymer injection-molded board after grinding and remolding process.
		Yuki Kawakami
		Fukuoka University
		Japan
15:10~15:25		APPLICATION OF CARBON NANOTUBES PREPARED FROM WASTE PLASTICS AS FILLER TO EPOXY RESIN COMPOSITES
		Yuanyuan Wang
		Queen's University Belfast
		UK
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15:25~15:45		Break 20 min.
		Invited lecture: Pyrolysis of Lignocellulosic Biomass: Design of catalysts for fuels and
15:45~16:25	Biomass I	chemicals
	Chairpersons: Shogo Kumagai	Thallada Bhaskar
	Takaaki Tomai	CSIR-Indian Institute of Petroleum
		India
16:25~16:45		Thermal and thermo-oxidative degradation of palm kernel shells using a two-stage pyrolysis process for the production of a phenol-rich oil
		Dayeong Chae
		University of Seoul
		South Korea
		Prediction of product distribution from xylan and polyethylene co-pyrolysis using response surface methodology
16:45~17:00		Shengyu Xie
		Tohoku University
		Japan
17:00~17:20		Break 20 min.
	0 :5 1:	Invited lecture: Hydrogen production from waste plastics by pyrolysis and in line
	Gasification Chairpersons:	reforming process
17:20~18:00	Shogo Kumagai	Gartzen Lopez
	Hajime Yasuda	University of the Basque Country
		Spain
		Co-production of H2 and CO from the air gasfication of polyethylene terephtahalte using the UOS two-stage gasification process
18:00~18:20		Minjun Choi
18.00~18.20		University of Seoul
		South Korea
		Low-temperature gasification of waste plastics using chemical looping process with
		oxygen nanocarriers
18:20~18:35		Takaaki Tomai
		Tohoku University
		Japan
		Catalyst selectivity patterns evaluation for waste plastics pyrolysis-reforming
40.05 40.55		Alexander Guzman
18:35~18:55		Tohoku University
		Japan
18:55~19:15		Break 20 min.
	Waste	Invited lecture: Prospective life cycle thinking for feedstocks recycling
10.15.10.55	management	Yasunori Kikuchi
19:15~19:55	Chairpersons: Shigeru Yao	The University of Tokyo
	Toshiaki Yoshioka	Japan
		The circumstance-adapted scenarios for feedstock recycling of post-consumer plastic waste in the surrounding region of an oil refinery
19:55~20:15		Jun Nakatani
		The University of Tokyo
		Japan
20:15~20:35		Intelligent development of carbon-neutrality recycling technologies based on life cycle assessment – a case study of PVC wastes
		Jiaqi Lu
		Shanghai University of Engineering Science
		China
		How to Get Rid of Vicious Recycle in Plastic Recycling
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00.05.55.55		Akira Oku
20:35~20:55		Akira Oku Kyoto Institute of Technology

Day 2 (30 November)

		Presentation title
- : (1		Authors
Time (Japan)	SessionSession	Affiliation
		Country
11:40~11:45	Information	
	Recovery of	Preparation of MgO heterogeneous catalyst for PET depolymerization
	valuable products	Jose R. Mora
11:45~12:05	Chairpersons:	Universidad San Francisco de Quito
	Motonobu Goto Hideki Kanda	Ecuador
	Tildeki Kalida	Development of Non-Woven Biotextiles Based on Starch From Yucca (Manihot
		Esculenta) and Palmetto Fiber
12:05~12:20		Jose Alvarez-Barreto
12.05 12.20		Universidad San Francisco de Quito
		Ecuador
		Basic chemicals prepared by bio and catalytic technology
		Takashi Arai
12:20~12:35		Daicel Corporation Innovation and Business Development Headquarters
		Japan
		Hydrolysis of polyurethane in a CO2-water system for environment-friendly chemical recycling
12:35~12:50		Ryota Oshima
12:35~12:50		Nagasaki University
		Japan
		Microwave treatment of environmentally friendly and safe medical waste
12:50~13:05		Shin Nakatani
		Chubu University
		Japan
		Co-pyrolysis of spent tea leaves with plastic waste
13:05~13:25		Sylwia Oleszek
		Kyoto University
		Japan
13:25~13:45		Break 20 min.
		Transformation of polyolefinic plastics to valuable chemicals by hydrogenolysis over CeO2-supported Ru catalyst
13:45~14:05		Masazumi Tamura
		Osaka City University
		Japan
14:05~14:25		Development of a new technology to measure the amount of residual carbon on the surface of recovered carbon fiber
		Tohru Kamo
		Waseda University
		Japan
	Mechanical recycling II	Simulated mechanical recycling process of post-consumer recycle polyethylene obtained from drinking water bottles in Thailand
14:25~14:45	Chairpersons:	Patchiya Phanthong
14.20 14.40	Osamu Terakado	Fukuoka University
	Masao Yukumoto	Japan
14:45~15:00		Computer simulation research on mechanical properties and internal structure of plastics
		Mohammed Althaf Hussain
		Fukuoka University
		Japan
15:00~15:15		Development and characterization of recycled polymer composites filled with waste- derived organic-inorganic hybrid filler
		Tessei Kawano
		Kyushu Institute of Technology
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15:15~15:35		Break 20 min.
	Pyrolysis II	Synergistic interactions during co-pyrolysis of vacuum residue and plastics
	Chairpersons:	Shogo Kumagai
15:35~15:55	ldzumi Okajima	Tohoku University
	Tohru Kamo	Japan
		Recent study on reaction mechanism of co-pyrolysis reaction between vacuum
		residue and plastics
15:55~16:15		Ryuichi Takasawa
		Japan Petroleum Energy Center (JPEC)
		Japan
		Investigation on pretreatment conditions for chemical recycling of wasted plastics by
		co-pyrolysis with vacuum residue
16:15~16:30		Akihiro Yoshida
		Hirosaki University
		Japan
		WEEE AND WASTE COMPOSITE RECYCLING: SECONDARY RAW MATERIALS RECOVERY FROM COMPLEX PYROLYSIS LIQUIDS MIXTURES
16:30~16:45		Adriana Serras-Malillos
		University of the Basque Country
		Spain
		Influence of temperature on catalytic-pyrolysis of waste polypropylene
		Ning Cai
16:45~17:00		Queen's university Belfast
		UK
		Enhancing high-valued carbon nanotubes and hydrogen production from waste
		plastics with metallic substrate
17:00~17:15		Qingyu Liu
		Queen's university Belfast
		UK
17:15~17:35		Break 20 min.
	Treatment of	CHEMICAL RECYCLING OF PLASTIC WASTE CONTAINING FLAME RETARDANTS
	halogen containing	
17:35~17:50	compounds Chairpersons:	Muhammad Hassam Khan
	Tohru Kamo	VTT Technical Research Center of Finland
	Osamu Terakado	Finland
		Co-pyrolysis of the non-metallic fraction of printed circuit boards and waste tires
17:50~18:10		Chuan Ma
17.50~16.10		Tohoku University
		Japan
		VALORIZATION OF REAL PLASTIC WASTES FROM DIFFERENT SOURCES VIA CATALYTIC PYROLYSIS: EFFICIENT OIL DEHALOGENATION OVER Fe AND Ca OXIDES
18:10~18:25		Julio López
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		Fundación Imdea Energía
		Spain Dehalogenation of WEEE plastics waste pyrolysis oils over Fe2O3 and CaO support
		zeolitic and clay based catalysts Lidia Amodio
18:25~18:40		
		Fundación Imdea Energía
		Spain Chloring your platform
		Chlorine removal from plastic pyrolysis oils by zeolite trapping
18:40~18:55		Aitor Romero
		IMDEA Energy Institute and Repsol S.A.
		Spain
18:55~19:15		Break 20 min.
19:15~19:55	Biomass II	Invited lecture: Effect of carbonization conditions on the yield and properties of biocarbon and biooil products
	Chairpersons:	Zsuzsanna Czégény
19:15~19:55	Thallada Bhaskar	
19:15~19:55	Thallada Bhaskar Toshiaki Yoshioka	Hungarian Academy of Sciences (MTA TTK)

19:55~20:10		Effects of temperature on products distribution during fast pyrolysis of poly(lactic acid) and poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)
		Zhuze Shao
		Tohoku University
		Japan
		High-performance Blends of Bio-based Elastomer from Eucommia ulmoides and Bioplastics
20:10~20:30		Hiroshi Uyama
		Osaka University
		Japan
		Thermal characterization of leathers tanned by metal salts and vegetable tannins
20:30~20:45		Zoltán Sebestyén
20:30~20:45		Research Centre for Natural Sciences
		Hungary
		Concluding remark and Announcement of ISFR2022 in Thailand
20:45~21:00	Concluding remark	Prof. Toshiaki Yoshioka, Prof. Prasert Reubroycharoen, Prof. Hathaikarn Manuspiya, Pr Boonyarach Kitiyanan