



Renewable Energy (RE)

Session RE1

Room# BB 204

Date Feb 2, 2017

Time 14:30-16:00

Conductor: Assoc. Prof. Dr. Phatiphat Thounthong

Co-conductor: Dr. Vituruch Goodwin

Time	Code	Presenter	Title
14:30-15:00	RE-I-001	Assoc. Prof. Dr. Jeff Gostick, University of Waterloo, Canada	Flow battery electrodes: Modeling, measuring, and manufacturing optimized fibrous materials
15:00-15:15	RE-O-001	Paritta Prayoonyong, Mahidol University, Thailand	Impact of solvent toxicity on ethanol perstraction from fermentation broth
15:15-15:30	RE-O-002	Krittanan Kadsanit, KMUTNB, Thailand	Influences of fermentation and oxygen transfer conditions on ethanol production by <i>Pichia 1neumoni</i> TISTR 580
15:30-15:45	RE-O-003	Kanokkan Srinoon, Prince of Songkla University, Thailand	Nipa Sap fermentation without yeast addition
15:45-16:00	RE-O-017	Prodpran T. Siritheerasas, Thammasat University, Thailand	Microwave torrefaction of moist municipal solid waste (MSW) pellets with addition of char from agricultural residues

Session RE2

Room# BB 204

Date Feb 2, 2017

Time 16:15-18:00

Conductor: Assoc. Prof. Dr. Phatiphat Thounthong

Co-conductor: Asst. Prof. Dr. Monrudee Phongaksorn

Time	Code	Presenter	Title
16:15-16:45	RE-I-002	Dr. Sumittra Charojrochkul, National Metal and Materials Technology Center, NSTDA, Thailand	Hydrogen production from ethanol
16:45-17:00	RE-O-004	Paweekasit Sitthanawaitin, KMUTNB, Thailand	Gaseous selective ratio of $CeO_2 - Bi_2O_3$ promoted Ni-based catalysts for glycerol steam reforming process
17:00-17:15	RE-O-005	Thanaporn Maswanna, KMITL, Thailand	Hydrogen production in <i>Tetraspora</i> sp. CU2551 under full-factorial N-, P-, and S-nutrients deprivation
17:15-17:30	RE-O-006	Piyawadee Saraphirom, Rajabhat Mahasarakham University, Thailand	Enhancement of hydrogen production from sugarcane bagasse by <i>Klebsiella 1neumonia</i> subsp. <i>Pneumonia</i> DSM 30104(T) using response surface methodology
17:30-17:45	RE-O-007	Nuth Sirirermux, KMUTT, Thailand	Hydrogen-rich gas from steam gasificaton of municipal solid waste
17:45-18:00	RE-O-008	Rujira Jitrwung, TISTR, Thailand	Catalytic methanol conversion to hydrocarbons in batch reaction using solid acid catalysts



Session RE3

Room# BB 204

Date Feb 3, 2017

Time 10:30-12:15

Conductor: Asst. Prof. Dr. Sasithorn Kongruang

Co-conductor: Asst. Prof. Dr. Rungsima Yeetsorn

Time	Code	Presenter	Title
10:30-11:00	RE-I-003	Prof. Dr. Hasuck Kim, Seoul National University and Daegu Gyeongbuk Institute of Science and Technology (DGIST), Korea	Electrochemical preparation of catalyst layers for enhanced performance in PEM fuel cells
11:00-11:30	RE-I-004	Prof. Dr. Katsuyoshi Kakinuma, University of Yamanashi, Japan	Catalytic activity of highly durable Pt and PtCo nanoparticle catalysts supported on SnO ₂ with fused aggregated network structure for polymer electrolyte fuel cells
11:30-11:45	RE-O-009	Kannika Onyu, KMUTNB, Thailand	Polypyrrole coated polypropylene composite by chemical polymerization as bipolar plates for direct methanol fuel cells
11:45-12:00	RE-O-010	Sirawit Witpathomwong, Chulalongkorn University, Thailand	Effects of carbon nanotube contents on viscoelastic properties and thermal stability of polybenzoxazine composites
12:00-12:15	RE-O-011	Jatuporn Parnthong, Prince of Songkla University, Thailand	Enhancement of enzymatic hydrolysis of lignocellulosic materials by nonionic surfactant

Session RE4

Room# BB 204

Date Feb 3, 2017

Time 13:15-15:00

Conductor: Dr. Nuwong Chollacoop

Co-conductor: Dr. Sukanya Thepwatee

Time	Code	Presenter	Title
13:15-13:45	RE-I-005	Dr. Yoshimura Yuji, National Institute of Advanced Industrial Science and Technology (AIST), Japan	Catalytic upgrading of conventional fatty acid methyl ester (FAME) into H-FAME by partial hydrogenation
13:45-14:00	RE-O-012	Sasithorn Kongruang, KMUTNB, Thailand	Evaluation and comparison of biodiesel possibility of Oleaginous yeast
14:00-14:15	RE-O-013	Yoothana Thanmongkhon, TISTR, Thailand	Synthesizing biodiesel from high free fatty acids feedstock with supercritical methanol in micro-tubular reactor
14:15-14:30	RE-O-014	Somchanok Sornara, KMUTT, Thailand	Effect of moisture of heterogeneous catalyst on esterification of free fatty acid contaminated in soybean oil
14:30-14:45	RE-O-015	Charndanai Tirapanampai, Prince of Songkla University, Thailand	Catalytic pyrolysis of <i>Chlorella vulgaris</i> for bio-oil production
14:45-15:00	RE-O-016	Pitchaya Zaejang, KMUTT, Thailand	Production of a solid fuel from a trunk of a dead oil palm tree

