



## Sustainable Catalysis and Petrochemicals (CP)

**Session CP1**

**Room# BB 202**

**Date Feb 2, 2017**

**Time 14:30-16:00**

**Conductor:** Assoc. Prof. Dr. Tawan Sooknoi

**Co-conductor:** Asst. Prof. Dr. Sabaithip Tungkamani

Time	Code	Presenter	Title
14:30-15:00	CP-I-001	Prof. Dr. Sangaraju Shanmugam, Daegu Gyeongbuk Institute of Science & Technology (DGIST), Korea	Efficient electrocatalysts for clean hydrogen generation
15:00-15:15	CP-O-001	Tawatchai Siriprapaiwan, KMUTNB, Thailand	Effect of Zr and Mn promoter on the physicochemical properties and FTS performance of cobalt supported silica catalyst
15:15-15:30	CP-O-002	Papahtsara Sirikulbodee, KMUTNB, Thailand	CO carburization effect on catalytic performance of iron-based catalyst in FTS using CO and CO <sub>2</sub> hydrogenation
15:30-15:45	CP-O-003	Saowaluk Intarasiri, KMUTNB, Thailand	Cycle time of polymerization and chain growth probability in Fischer-Tropsch synthesis over cobalt supported silica catalyst
15:45-16:00	CP-O-004	Nopporn Sirisaypirun, KMITL, Thailand	Fischer-Tropsch synthesis in fixed-bed reactor over Ru-promoted Co/SiO <sub>2</sub> catalysts

**Session CP2**

**Room# BB 202**

**Date Feb 2, 2017**

**Time 16:15-18:00**

**Conductor:** Assoc. Prof. Dr. Tawan Sooknoi

**Co-conductor:** Asst. Prof. Dr. Sabaithip Tungkamani

Time	Code	Presenter	Title
16:15-16:45	CP-I-002	Prof. Dr. S. Ted Oyama, University of Tokyo, Japan and Virginia Tech, USA	Kinetic and spectroscopic studies of catalytic mechanisms: Hydrodeoxygenation of biomass feedstocks on transition metal phosphides
16:45-17:00	CP-O-005	Suntorn Sangsong, KMUTNB, Thailand	The effect of preparation method on Ni/Ce/Al catalyst for high temperature water-gas shift reaction
17:00-17:15	CP-O-006	Banhan Khanchai, Chiang Mai University, Thailand	Hydrogen-rich syngas production from biogas reforming by gliding arc plasma-catalyst minireactor
17:15-17:30	CP-O-007	Sirintra Arayawate, Thammasat University, Thailand	Effect of support on Ni catalyst used for ethanol steam reforming reaction
17:30-17:45	CP-O-008	Nitchakul Hongloi, Kasetsart University, Thailand	Synthesis and characterization of nickel catalysts of production of green diesel from palm fatty acid distillate



17:45-18:00	CP-O-009	Kodchakon Kun-asa, Chulalongkorn University, Thailand	Pyrolysis of palm oil in a continuous flow microchannel reactor
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**Session CP3**

**Room# BB 203**

**Date Feb 3, 2017**

**Time 10:30-12:15**

**Conductor:** Prof. Dr. Apanee Luengnaruemitchai

**Co-conductor:** Dr. Piyarat Trikittiwong

Time	Code	Presenter	Title
10:30-11:00	CP-I-003	Prof. Dr. Eric Croiset, University of Waterloo, Canada	Experimental and theoretical investigation of carbon deposition during methane catalytic cracking
11:00-11:15	CP-O-010	Sirawit Shetsiri, VISTEC, Thailand	Catalytic conversion of bioethanol to light olefins over hierarchical HZSM-5 nanosheets
11:15-11:30	CP-O-011	Thanasak Solos, KMITL, Thailand	Catalytic deoxygenation of glycerol to 1- propanol over zeolite and supported Ni catalysts in sequential bed system
11:30-11:45	CP-O-012	Promporn Reangchim, KMITL, Thailand	Effect of Sn modification on Ni catalyst for deoxygenation of stearic acid
11:45-12:00	CP-O-013	Chanathip Thumcharoen, KMUTT, Thailand	Production of lubricating base oil from plastic pyrolysis: preliminary study
12:00-12:15	CP-O-014	Sasiradee Jantasee, RMUTT, Thailand	Development of starches as support of metallocene catalyst for ethylene polymerization

**Session CP4**

**Room# BB 203**

**Date Feb 3, 2017**

**Time 13:15-14:45**

**Conductor:** Asst. Prof. Dr. Sabaihip Tungkamani

**Co-conductor:** Dr. Tanakorn Ratana

Time	Code	Presenter	Title
13:15-13:30	CP-O-015	Tarit Usahanunth, KMUTT, Thailand	Production of Hydrocarbon Feedstocks from Pyrolysis of Natural Rubber and Scrap Tyre: Preliminary Study
13:30-13:45	CP-O-016	Rachatawan Yaisamlee, Chulalongkorn University, Thailand	Acetalization of glycerol with acetone over sulfonic beta catalyst
13:45-14:00	CP-O-017	Chaline Uppala, Kasetsart University, Thailand	Enhancement of Catalytic Stability of Ruthenium-Copper-Based Catalysts for the Epoxidation of Propylene to Propylene Oxide
14:00-14:15	CP-O-018	Tanakorn Wonglakhon, Mahidol University, Thailand	A DFT study of proton dissociation constant of hydroxypyridine derivatives and the proton- responsive Cp*Ir(III) complexes and their implication for CO <sub>2</sub> hydrogenation
14:15-14:30	CP-O-019	Kittisak Choojun, KMITL, Thailand	The improvement of cobalt supported on silica catalysts prepared by strong electronic adsorption for cyclohexane dehydrogenation



14:30-14:45	CP-O-020	Win Win Mar, Ministry of Electricity and Energy, Myanmar	Study on the electrical conductivity degradation of an antistatic additives doped-jet fuel over fuel storage
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