The 4th Kyushu University - Yeungnam University Joint Symposium on Chemical Engineering

SYMPOSIUM OUTLINE

October 11, 2012 (Thursday)

17:50	Pick-up in front of Hotel Clio Court Hakata
18:00－	Welcome party

October 12, 2012 (Friday)

8:20	Pick-up in front of Hotel Clio Court Hakata
9:15－9:30	Registration
9:30－9:40	Opening Address
9:40－11:40	Research Presentations (I)
11:50－13:00	Lunch at Big Orange
13:10－14:00	Student Presentations (Oral)
14:00－15:00	Research Presentations (II)
15:20－16:30	Student Presentations (Poster)
16:40－18:00	Laboratory Tour
19:00－21:00	Banquet at Hotel com’s

PROGRAM

Place : Research Center for Steel & 2F Hall in West Zone 4, Ito Campus, Kyushu University

October 12, 2012 (Friday)

9:30－9:40 Opening Address Prof. Toshihisa Kajiwara

SESSION1 : Research Presentations (I)

Chair : Prof. Miura

9:40－10:10 Radiation Synthesis and Modification of Hydrogels
Prof. Jie Chen (Shanghai Univ.)

10:10－10:40 Synthesis of Graphene Nanocomposites in Supercritical CO2 and Their Applications Prof. Jae-Jin Shim (Yeungnam Univ.)

Chair : Prof. Kishida

10:40－11:10 Functional Biomaterials and Novel Technology for Tissue Engineering
Prof. Hiroyuki Ijima (Kyushu Univ.)

11:10－11:40 A Study of Energy Saving Design of Czochralski Process for Solar Cell Si-Ingot Prof. Jae-Hak Jung (Yeungnam Univ.)

(Lunch at Big Orange)

SESSION2 : Student Presentations (Oral)

Chair : Prof. Mizumoto

13:10－13:20 A Study on Recovery Process for Offshore Floating Liquid Natural Gas Plants
Jin-Ho Park (Yeungnam Univ.)

13:20－13:30 Integrated Framework of Dynamic Simulation for Configuring Control Structure of Gas Purification Process Sung-Soo Lim (Yeungnam Univ.)

13:30－13:40 Modification of Manufacturing Process for Sipphire Using a Kyropoulos Method Yu-Jin JUNG (Yeungnam Univ.)

13:40－13:50 P-type nickel Oxide as Photocathode in Photoelectrochemical Solar Cells
Min-Ah Park (Yeungnam Univ.)

13:50－14:00 Atom Transfer Radical Polymerization of Vinyl Pivalate using Supercritical CO2 as Reaction Medium Muhammad Naoshad Islam (Yeungnam Univ.)

SESSION3 : Research Presentations (II)

Chair : Prof. Matsukuma

14:00－14:30 Synthesis of Graphene-based Nanocomposites in Ionic Liquids
Prof. Nguyen Van Hoa (Yeungnam Univ.)

14:30－15:00 Synthesis of Hollow Silica Nanocapsule Using Molecular Aggregate as Template Prof. Hideki Matsune (Kyushu Univ.)

(Coffee break)

SESSION4 : Student Presentations (Poster)

Chair : Prof. Ito

15:20－16:30 Poster Presentations
6 students of Yeungnam Univ. and 18 students of Kyushu Univ.
(2F Hall in West Zone 4, Ito Campus)

Abstracts and Posters (Yeungnam University Students)

No.	Prof.	Presenter	Title
YU-1	JT Lee	Hyun-Seob Cho	Indole and its derivatives attenuate Staphylococcus aureus virulence in vitro and in vivo
YU-2	SW Lee	Joo-Young Kim	Grafting of peptides on a magnetic nanoparticle for pH sensor
YU-3	SW Lee	Ji-Hyuk Im	Nano-arrays fabrication through monolayered silicate beads on polystyrene films
YU-4	WK Kim	Sam-Mi Kim	Effect of selenization temperature on characteristics of Cu2ZnSn(S,Se)4 thin film solar cell absorber.
YU-5	WK Kim	Jin-Woo Park	Cu(In,Ga)(S,Se)2 thin films fabricated by sequential selenization and sulfurization of Cu-Ga-In metal alloys
YU-6	KS Ahn	Soo-Yong Lee	Cu2S count erelectrodes for quantum-dot sensitized solar cells.

Abstracts and Posters (Kyushu University Students)

No.	Prof.	Presenter	Title
KU-1	Y Iwai	Takuto Nakashima	Dye sensitized solar cell with high efficiency using supercritical carbon dioxide drying method
KU-2	Y Iwai	Shun Ikemoto	Low methanol permeable Palladium-Nafion composite membranes using supercritical CO2 impregnation method for DMFC
KU-3	M Kishida	Daisuke Mikami	Improvement of CO tolerance of carbon nanotube-supported Pt anode catalysts by coverage with silica
KU-4	M Kamihira	Takanori Inao	Cre-mediated accumulative gene integration system for pharmaceutical protein production
KU-5	M Kamihira	Keijiro Yano	Oral immunotherapy for pollen allergy using egg white produced by genetically engineered chickens
KU-6	J Fukai	Kazuki Kubo	Prediction of Polymer Film Configuration Formed from Polymer Solution Droplet
KU-7	J Fukai	Yoshiho Iwama	Cycle Operation of Laboratory-Scaled Adsorption Heat Pump System for Steam Generation
KU-8	J Fukai	Hironobu Harada	Thin film morphology of low-molecular organic EL deposited on bank-surfaces
KU-9	M Minemoto	Takahiro Matuoka	Evaluation of effect of ionomer distribution in catalyst layer by numerical analysis
KU-10	M Minemoto	Kotaro Yamanaka	Numerical simulations for resolution of flow maldistribution
KU-11	T Kajiwara	Dandan Yue	Fabrication of nanopatterns on silica glass using SiO2/PVA nanocomposite
KU-12	T Kajiwara	Naoki Amimoto	In vitro and ex vivo functional evaluation of a hollow fiber type bioartificial liver module immobilizing ES cell-derived hepatic cells
KU-13	Y Tsuge	Ryo Itagaki	Treatment of Historical Data during Normal Operations for Composition Estimation using Database Model
KU-14	Y Tsuge	Kyohei Kubo	Behavior Simulation of Pneumatic Control Valve with the Fieldbus Communication
KU-15	H Ijima	Nana Shirakigawa	Creation of vascular tree structure for liver tissue engineering
KU-16	H Ijima	Shintaro Nakamura	Solubilized matrix derived from decellularized liver as a functional culture substratum
KU-17	Y Miura	Masaki Takara	Biosensing-application with Glycopolymer-substituted Gold Nanoparticles
KU-18	Y Miura	Masahiko Nakamoto	The Kinetics of Lectin Binding to Mannose Incorporating Nanogelparticles