Xiamen University Physical Chemistry of Surfaces(PCOSS)
Hokkaido University Catalysisi Research Center(CRC)

The Fourth JOINT SYMPOSIUM

Date 9th May, 2013 **Place** CRC in Hokkaido University (5F Conference room) **Free**

PROGRAM

9:00 **Opening remarks from both sides**
Director of CRC: Professor Atsushi Fukuoka
Director of PCOSS: Professor Zhaoxiong Xie

9:10 **Professor Zhaoxiong Xie**
Preparation and Enhanced Catalytic Properties of Noble Metal and Metal Oxide Nanocrystals with High Energy Crystal Surfaces

9:40 **Professor Masatoshi Osawa**
The mechanism of electrocatalytic oxidation of formic acid and formate ion: A critical overview

10:10 **Professor Shigang Sun**
Design and Preparation of Electrocatatalysts for Direct Ethanol Fuel Cells

10:40 Break

11:10 **Assistant Professor Hiroko Ariga**
Surface structures and electronic states of Ni2P single crystal and their adsorption properties

11:25 **Assistant Professor Kenta Motobayashi**
Potential-dependent structure of Ionic liquid/metal electrode interface studied by SEIRAS

11:40 **Professor Mingshu Chen**
A Surface Science Approach to Understanding the Activation of Light Alkanes on Noble Metal Surfaces

12:10 Lunch

13:00 **Professor Takao Masuda**
Recovery of Petroleum-related Useful Chemicals from Inedible Biomass Wastes Using Iron Oxide Catalysts without any Hydrogen

13:30 **Associate Professor Gang Fu**
New Insights into Selective Oxidation and Selective Hydrogenation

14:00 **D3 Chuanxia Jiang**
Elimination of Ethylene at Low Temperature over Supported Pt Nanoparticles

14:15 **Postdoctoral Siddiki S M A Hakim**
Pt Nanocluster Catalyzed Dehydrogenation of Alcohols and Regioselective C-C and C-N Alkylation of Indole by Alcohols

14:30 **Associate Professor Yasuhito Koyama**
Efficient Polymer Reaction Using Macrocycle Catalyst as a Result of Wheel Translation along the Polymer Axle

14:45 **Postdoctoral Research Associate Hsieh Yi-Fang**
Second Ring Adducts of Pentacene: Preparation and Application

15:00 Break

15:30 **Professor Ye Wang**
Strategy for the Design of Efficient Cocatalysts for Photocatalytic Reduction of CO_2 in the Presence of H_2O

16:00 **Postdoctoral Research Associate Joanna Kuncewicz**
Visible Light-responsive Rhodium-modified Titania Photocatalysts: Influence of Rhodium Concentration on Mechanism and Activity

16:15 **Professor Weizheng Weng**
Photo-induced Transformation of O_2 to Peroxide Ions on the Surface of Lanthanide Sesquioxides

16:45 **Professor Shin Mukai**
Synthesis of Monolithic Microhoneycombs Having Catalytic Functions Using the Ice Templating Method

17:15 **D2 Zhang Zhenxin**
A New Octahedral Molecular Sieve Constructed by Polyoxometalates and Bismuth Linkers with Zeolite-like 3D Micropores

17:30 **Professor Jun-ya Hasegawa**
Computational chemistry for complex systems: environmental effect in proteins and solutions

18:00 **Closing remarks**

18:30 **Reception**

Organizer
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