

Novel Nanostructures and Catalysis

—*Seeking for Breakthrough*—

July 24 (Sat.) to 25 (Sun.), 2010

Venue: Toya Park Hotel Tensho (Lake Toya)

Co-chairs: Assoc. Prof. K. Hara and Assoc. Prof. M. Yamauchi

Co-organization: Catalysis Research Center, Hokkaido Univ. and FResHU F3 Project, Hokkaido Univ.

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Program:

Saturday, July 24

900-1100

Sapporo to venue (by bus)

1730-1830

Free Time

1120-1200 Session I

Manos Mavrikakis (Univ. Wisconsin)

"Fundamental Heterogeneous

Catalysis: From Reaction Mechanisms
to New Materials"

1830-2030

Dinner

2100-2230 Session IV

Poster Parade

Miho Yamauchi (CRC)

Kenji Hara (CRC)

Poster and Discussion

1200-1300

Lunch

1300-1500 Session II

Christophe Mingotaud (Univ. Toulouse)
"Catalytic Soft Interfaces in Organized
Media: From Micro-emulsions to
Monolayers"

Toshiharu Teranishi (Tsukuba Univ.)
"Structure-specific Optical Properties of
Inorganic Nanoparticles"

Katsuaki Konishi (Hokkaido Univ.)
"Molecular Communication at the
Organic-Cluster Heterogeneous
Interface"

Sunday, July 25

900-1100 Session V

Nanfeng Zheng (Xiamen Univ.)

"Multilevel Control of Metal
Nanostructures for Catalysis
Applications"

Hiroki Habazaki (Hokkaido Univ.)

"Platelet-type Carbon Nanofibers:
Template-assisted Synthesis and
Applications"

Kosei Ueno (Hokkaido Univ.)

"Photochemical Reactions on
Nano-engineered Gold Particles"

Hikaru Takaya (Kyoto Univ.)

"Multi Metal Catalyst Based on
Self-Assembly of Transition-Metal
-bound Peptides"

1530-1730 Session III

Marek Pruski (US DOE Ames Lab)
"Characterization of Nanostructured
Catalytic Materials using Advanced
Solid-State NMR Spectroscopy"

Hiroshi Kitagawa (Kyoto Univ.)
"Solid-State and Surface
Nano-Protonics in Metal-Organic
Systems"

1100-1500

Discussion, Lunch, Scientific Excursion

1500-1700

Venue to Sapporo via New Chitose
Airport (by bus)

Kei Murakoshi (Hokkaido Univ.)
"Catalytic Activity of An Individual
Single-Walled Carbon Nanotube
Using Surface-Enhanced Raman
Scattering"