January 26-27, 2012
Catalysis Research Center, Hokkaido University, Japan

- Zhi-Pan Liu (Fudan Univ., China)
  Solid-liquid interface catalysis: particle size, shape and activity from first principles
- Leone Spiccia (Monash Univ., Australia)
  Nanoparticulate manganese oxides as water oxidation catalysts
- Takeo Yamaguchi (Tokyo Institute of Tech.)
  Systematic material development for PEMFC catalysts, membranes and membrane electrode assemblies
- Henrik Grönbeck (Chalmers Univ. of Tech., Sweden)
  The active phase of palladium during methane oxidation: a combined DFT and surface x-ray diffraction study
- Yutaka Tai (AIST)
  Fabrication of effective Pt-Pd-Pt interface leading to CO oxidation below room temperature

- Susumu Saito (Hagoya Univ.)
  Towards construction of an interface between homogeneous and heterogeneous Catalysis
- Masatoshi Osawa (CRC, Hokkaido Univ.)
  Electrocatalytic oxidation of methanol, formaldehyde, and formic acid on Pt: a combined electrochemical and surface-enhanced infrared absorption (SEIRA) study
- Takashi Kamachi (Kyusyu Univ.)
  Combined theoretical and experimental approach to understand the reactivity of oxygen-dosed Pd nanoparticle catalyst for green organic syntheses in water
- Nobuo Kamiya (Osaka City Univ.)
  Structure and function of Mn-CaO5 cluster in oxygen-evolving photosystem II towards development of novel catalysts
- Yoshihisa Sakata (Yamaguchi Univ.)
  Improvement of the the photocatalytic activity of Ga2O3 toward the overall splitting of H2O
- Osamu Ishitani (Tokyo Institute of Tech.)
  Efficient photocatalytic reduction of CO2 using metal complexes and their hybrids with light harvesting systems
- Ken-ichi Tanaka (Saitama Institute of Tech.)
  How does the surface become active as catalyst - From a viewpoint of materials and chemical reactions -

Registration Fee: Free

Organizing Committee: Dr. Kenichi Shimizu (Chair), Dr. Ryu Abe (Co-chair)
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