

Program

Day 1 (October 30, 2014)

9:00 - 9:05 Opening Address **Fahmi Himo** (Stockholm University)
9:05 - 9:10 Welcome Address **Kiyotaka Asakura** (Hokkaido University)

Chair: Koichi Yamashita (Tokyo)

9:10 - 9:55 **Masatake Haruta** (Tokyo Metropolitan University)
CO Oxidation on Supported Gold Nanoparticles

9:55 - 10:30 **Graham J. Hutchings** (Cardiff University)
Catalysis with Gold-containing Nanoparticles

----- 10:30 - 11:00 Coffee Break -----

Chair: Mitsutaka Okumura (Osaka)

11:00 - 11:35 **Atsushi Fukuoka** (Hokkaido University)
Low-Temperature Oxidation of Ethylene over Platinum Supported on Mesoporous Silica

11:35 - 12:10 **Joachim Sauer** (Humboldt University)
Storage and Activation of Methane - Atomistic Understanding from Accurate ab Initio Energies

12:10 - 12:45 **Jens K. Nørskov** (Stanford University)
Deriving Catalytic Activity Descriptors

----- 13:00 - 14:30 Break -----

----- 14:30 Group Photo -----

Chair: Jun-ya Hasegawa (Hokkaido University)

14:50 - 15:25 **Hans-Joachim Freund** (Fritz Haber Institute)
Model Catalyst Design: A Material Science Perspective at the Atomic level

15:25 - 16:00 **Kiyotaka Asakura** (Hokkaido University)
In situ Structure Analysis of Solid Catalysts by Time-Resolved XAFS

----- 16:00 - 16:20 Coffee Break -----

Chair: Björn Åkermark (Stockholm)

16:20 - 16:55 **Jian-Ren Shen** (Okayama University)
Structural Basis for the Mechanism of Photosynthetic Water Oxidation

16:55 - 17:40 **Per E. M. Siegbahn** (Stockholm University)
Recent Findings Concerning the Mechanism for Water Oxidation in Photosystem II

17:40 - 19:30 Poster Session

