

5th Symposium on Soft Chemistry toward Functional Materials

グローバル COE シンポジウム「低温合成法による新機能性材料の創製（第5回）」
(*Kyoto University Global COE Program "Integrated Materials Science"*)

Date: February 14, 2008

Place: Katsura Campus Room A2-303 (Kyoto University, Japan)

10:35 Opening remarks (Takeshi Abe)

(Chair) Takeshi Abe

10:40 "Soft Chemistry Synthesis and Electrochemical Properties of Titanium Oxides"

Valerie Pralong (CRISMAT Laboratory ENSICAEN CNRS, France)

11:40 "Hydride Reduction Chemistry for Designing Unprecedented Iron Oxides"

Hiroshi Kageyama (Graduate School of Science, Kyoto University)

(12:10 - 13:30 Lunch)

(Chair) Hiroshi Kageyama

13:30 "Design and Fabrication of Nano/Micro-structured Materials for Energy Storage"

Cheng Huming (Institute of Metal Research, Chinese Academy of Sciences, China)

14:30 "Synthesis and Properties of Endohedral Fullerenes Encapsulating Molecular Hydrogen"

Yasujiro Murata (Institute for Chemical Research, Kyoto University)

15:00 "Hydrogen-Bonded Porphyrin-Fullerene Composites for Solar Energy Conversion"

Aiko Kira (Graduate School of Engineering, Kyoto University)

(15:20 - 15:40 Coffee Break)

(Chair) Kuniaki Murase

15:40 "Interfacial Reactions between Negative Electrodes and Concentrated Electrolyte Solutions in Lithium Batteries"

Soon-Ki Jeong (Soonchunhyang University, Korea)

16:10 "New Catalysts Based on Gold Nanoparticles for Direct Alcohol Fuel Cells"

Kohei Miyazaki (Graduate School of Engineering, Kyoto University)

16:30 "Controlled Structural Organization of Gold Nanoparticles on ITO Surface"

Om Prakash Khatri (Graduate School of Engineering, Kyoto University)

16:50 Closing Remarks (Hiroshi Kageyama)