

Second International Seminar on Nanoporous and Nanostructured Materials for Energy, Environment and Health

Date: Monday, September 14th, 2015

Venue: Conference Room 63-204 and 63-205, Waseda University, Tokyo, Japan.

Organized by Research Center for Mesoscale Materials, Waseda University

Co-organized by Top Global University Project: Unit for Energy and Nanomaterials, Waseda University

Scientific Committee:

French team: A. Ayrat, B. Boury, M. Wong Chi Man, Pôle Chimie Balard, Montpellier, France.

Japanese team: K. Kuroda, Y. Sugahara, A. Shimojima, Waseda University, Tokyo, Japan.

Local organizers: K. Kuroda, Y. Sugahara, A. Shimojima, H. Wada, Y. Kuroda.

[Program]

Chair: Kazuyuki Kuroda

9:40-9:45 Kazuyuki Kuroda (Department of Applied Chemistry, Waseda University, Japan)

“Introductory talk”

9:45-10:30 Michel Wong Chi Man (Ecole Nationale Supérieure de Chimie de Montpellier, France)

“Bridge silsesquioxanes constructs for versatile applications”

10:30-11:00 Yoshiyuki Sugahara (Department of Applied Chemistry, Waseda University, Japan)

“Element-blocks Prepared from Inorganic Nanostructures via Surface Modification: Preparation and Applications”

11:00-11:20 Coffee break

Chair: Yoshiyuki Sugahara

11:20-11:50 Shigeru Shimada (Interdisciplinary Research Center for Catalytic Chemistry, National Institute of Advanced Industrial Science and Technology (AIST), Japan)

“A Challenge in Silicone Chemistry: Progress in Alkoxysilane Syntheses and Details of the Condensation Reaction of Phenylsilanetriol”

11:50-12:35 Hubert Mutin (Institut Charles Gerhardt Montpellier, Université de Montpellier, France)

“Mesoporous mixed metal oxides and metal oxide-carbon nanocomposites by non-hydrolytic condensation”

12:35-13:45 Lunch

Chair: Michel Wong Chi Man

13:45-14:25 Masafumi Unno (Department of Chemistry and Chemical Biology, Gunma University, Japan)

“How to make highly ordered siloxanes: Recent development”

14:25-14:55 Atsushi Shimojima (Department of Applied Chemistry, Waseda University, Japan)

“Synthesis of Porous Silica-based Nanoparticles with Unique Shapes and Pore Architectures”

14:55-15:10 Coffee Break

Chair: Atsushi Shimojima

15:10-15:30 Yoshiyuki Kuroda (WIAS, Waseda University)

“Unique Anion Exchange Properties of Tripodal Ligand-Stabilized Layered Double Hydroxide Nanoparticles”

15:30-16:15 Peter Hesemann (Institut Charles Gerhardt de Montpellier, Université Montpellier, France)

“Ionosilicas: Periodic Mesoporous Organosilicas from Silylated Ionic Precursors”

16:15-16:20 Concluding Remarks Michel Wong Chi Man