

OIST SEMINAR
Prof. Masaya Sawamura
Hokkaido University,
Faculty of Science, Department of Chemistry

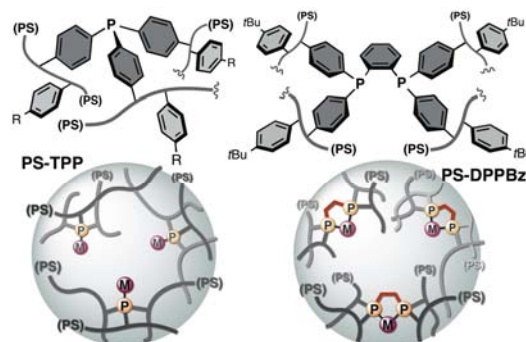
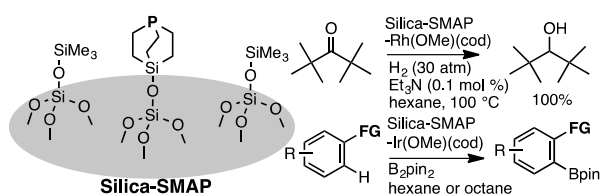
Date: Tuesday, August 21, 2018

Time: 14:00-15:00

Venue: B503, Lab 2, Level B

“Catalyst Design with Solid-supported Ligands and Metals”

To produce highly active catalysts that enable challenging organic reactions, various phosphines were immobilized on solid supports. The new solid-immobilized phosphines thus obtained were used as platforms to construct novel metal–ligand systems that allow efficient formation of coordinatively unsaturated highly reactive metal species. This lecture will present design, synthesis and utilities of a silica-supported cage-shaped phosphine Silica-SMAP. Extension of the concept toward using polystyrenes as solid supports will also be presented.


Prof. Masaya Sawamura

- 1989 Awarded the degree of Dr. of Engineering, Graduate School of Engineering under supervision of Professor Yoshihiko Ito, Kyoto University
- 1993-1994 Visiting Researcher at Harvard University (U.S.A.)
- 1989-1995 Assistant Professor, Kyoto University (Prof. Yoshihiko Ito)
- 1995 Assistant Professor, Tokyo Institute of Technology
- 1995-1996 Assistant Professor, The University of Tokyo
- 1996-1997 Lecturer, The University of Tokyo
- 1997-2001 Associate Professor, The University of Tokyo
- 2001- Professor, Department of Chemistry, Faculty of Science, Hokkaido University
- 2016- Hokkaido University Distinguished Professor

Awards:

- The Chemical Society of Japan Award for Young Chemists (1996)
- The Chemical Society of Japan Award for Creative Works (2012)
- SSOJ Nissan Chemical Industries Award for Novel Reaction & Method 2014 (2015)
- Nagoya Silver Medal (2017)