

CBC SEMINAR ANNOUNCEMENT



Professor Jason Ho Chun-Yu
The Chinese University of Hong Kong

Recent Progress in Greener Olefin Synthesis by NHC-NiH

Alkenes are the key primary chemicals for the preparation of classes of compounds and materials. Recent advances showed that various N-heterocyclic carbene ligands have distinguish electronic and steric properties, and the combinations of Ni-NHCs are particularly attractive as compared with Pd & P ligands in the alkene syntheses and bi-functionalization with remarkable selectivity.

In this talk, we wish to share our recent findings in developing new methodologies by using the NHC-Ni combination. This included: 1) a tail-to-tail cross-hydroalkenylation of vinylarenes and alpha-olefins, and 2) a new tool that might effectively shuffle off the classic -Si elimination and allow subsequent catalytic C-C bond formation.

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| Date: | 2nd August 2012 (Thursday) |
| Time: | 11:00am – 12:30pm |
| Venue: | NTU SPMS CBC Building Level 2, Conference Room |
| Host: | Professor Loh Teck Peng |