Advanced syntheses of a group of versatile and highly reactive building blocks, including the 2-substituted cyclopropylideneacetates 1a–d,[1] will be presented. Some synthetic applications towards various cyclopropyl-group containing amino acids and more complex structures including biologically active compounds like the analogues of TAN 1057 2,[2] and Demethoxy-fumitremorgine C 3, will be presented. In addition, versatile new accesses to variously substituted cyclopropylamines as well as the first enantioselective syntheses of the cyclopropyl-group containing natural products Belactosine A 4[3] and Hormaomycin 5[4] will be discussed.


Date: 27th February 2012 (Monday)
Time: 11:00am – 12:30pm
Venue: NTU SPMS CBC Building Level 2, Conference Room
Host: Professor Koichi Narasaka