In the last decade significant research has been directed towards development of catalysts for synthetic efficiency and atomeconomy processes. This talk has an overview of the developments in Precious Group Catalysts (Heterogeneous, Homogeneous) & Biocatalysis/enzymes. An outline of New ranges of highly active and selective catalysts which have been developed for various applications like Hydrogenations, Coupling and Chiral asymmetric synthesis applications. Biocatalysis/ Enzymes are an important asset to the catalytic toolbox for the production of fine chemicals and pharmaceuticals. The synthetic scope and catalytic activity of enzymes often complement chemical catalysis. Consequently, oxidoreductases are a valuable tool in organic chemistry for the synthesis of chiral alcohols. Besides high activity and selectivity of the biocatalyst for the application on an industrial scale the availability and robustness of the enzyme under process conditions are of key importance. The presentation also features the chemistries & application of these catalyst products/enzymes in the Fine Chemical and Pharmaceutical Industry.

CBC SEMINAR ANNOUNCEMENT

Dr Nitin Patil
Johnson Matthey
Catalysis and Chiral Technologies

Catalysis in Pharmaceuticals and Fine Chemicals

Date: 23rd July 2013 (Tuesday)
Time: 2:30pm – 3:30pm
Venue: NTU SPMS CBC Building Level 2, Conference Room
Host: Assoc Professor Roderick Bates