

Science Frontier Seminar

Prof. Ganesan Mani

Indian Institute of Technology Kharagpur

Title : Transition Metal Complexes
Bearing Newly Designed Ligands for
Catalysis

Time&Date : 16:30, June 24, 2024

Venue : G101 Science Hall



Abstract: Catalytic reactions such as hydrosilylation, reduction of atmospheric CO₂ to methoxyborane, transfer hydrogenation, and multicomponent reactions were studied by using Ni, Pd and Cu complexes bearing new pincer NHC, wide-bite angle dipyrromethane-diphosphines, pyrrole based sulfane and sulfone ligands. The differences in catalytic activity between nickel hydride and thiolate are discussed with the later involved in metal-ligand cooperation.



School of Science /
Graduate School of Science

Contact: Hiroshi Nakajima (Dept. Chem., Grad. Sch. Sci.)
e-mail: x21561n@omu.ac.jp