

INORGANIC SEMINAR
MONDAY,
JANUARY 18, 2016
4:00 P.M.
HUTCHISON HALL 473
DEPARTMENT OF
CHEMISTRY
UNIVERSITY OF
ROCHESTER



GUEST SPEAKER:
DR. JERZY KLOSIN
DOW CHEMICAL COMPANY
CORE R&D

“Development of Molecular Catalysts for the Production of Ethylene-Based Copolymers”

Abstract: The Dow Chemical Company is world’s largest practitioner of homogenous catalysis including production of polyolefins. Olefin polymerization with homogeneous catalysts allows for unprecedented control over polymer composition and microstructure. This talk will discuss the development of new molecular catalysts within Dow for the production of ethylene-based copolymers such as ethylene-styrene and ethylene-1-octene. Particular emphasis will be giving to the recent research aimed at modifying structures of catalysts to affect both the polymer molecular weight and the reactivity toward alpha-olefins during ethylene/alpha-olefins copolymerization reactions.



Host: Professor Michael Neidig, email: neidig@chem.rochester.edu