

Seminar

Topic: Key examples of catalytic wet (air or peroxide) oxidation taken from studies carried out at IRCELYON

Speaker: Prof. Claude Descorme, IRCELYON

Date & Time: 9:30-10:10 (am) Oct, 19, 2012 (Friday)

Venue: Meeting Room 308, IPE Mansion



Education

2001 Habilitation à Diriger des Recherches (HDR), University of Poitiers (FRANCE)

1996 Ph.D. (Doctorat) in Physical Chemistry, Claude Bernard University, Lyon 1 (FRANCE)

1993 Master of Science (DEA) in Kinetics and Catalysis, Claude Bernard University, Lyon 1 (FRANCE)

Research Experience

- 01/05 ... Institut de recherches sur la catalyse et l'environnement de Lyon (IRCELYON), CNRS, University of Lyon, VILLEURBANNE (FRANCE), CNRS Researcher.
Wastewater and sewage sludge treatment via Catalytic Wet Air Oxidation (CWAO).
Hydrogen production from ethanol via Steam Reforming.
- 01/04 – 12/04 TOTAL, ATOFINA – Centre de Recherche Rhône-Alpes, PIERRE BENITE (FRANCE).
Direct oxyfluorination of alkenes.
- 10/98 – 12/03 Laboratoire de Catalyse en Chimie Organique (LACCO), CNRS, University of Poitiers, POITIERS (FRANCE), CNRS Researcher.
Oxygen activation and mobility on oxides (oxygen storage, diffusion...)
Hydrogen production (Steam Reforming, Partial Oxidation) and purification (Preferential Oxidation).
- 1/97 - 2/98 University of California, Department of Chemistry, Pr. Somorjai's Group, BERKELEY (USA), Lavoisier Post-Doctoral Fellow.
Catalytic oxidation of ethane over palladium catalysts.
- 9/93 - 11/96 Laboratoire d'Application de la Chimie à l'Environnement (LACE), CNRS, University Claude Bernard Lyon 1, VILLEURBANNE (FRANCE), PhD student (CNRS/GDF project).
Catalytic reduction of nitrogen oxides by methane: post-combustion catalysts for natural gas engines.

Author of 62 scientific papers, 3 chapters of book, 1 patent, 6 invited lectures, 118 communications at national and international conferences.