



March 7-9, 2012

International Green Catalysis Symposium & Advanced Spring School on Green Catalysis

Titles of lectures

Pr. Matthias Beller, Leibniz-Institut für Katalyse e.V, Rostock, Allemagne

- 1. Bio-inspired Catalysis for a More Sustainable Organic Synthesis*
- 2. Molecular-defined Catalysts for Hydrogen Generation and Hydrogen Storage*

Dr. Pierre Braunstein, DR CNRS, Université de Strasbourg

The metal-ligand interplay: from stoichiometric to catalytic transformations

Dr. Christian Bruneau, Université de Rennes 1

Olefin and enyne metathesis for green modifications of plant oil and terpene derivatives

Pr. Jean-François Carpentier, Université de Rennes 1

Green Concepts for Ring-Opening Polymerization Catalysis

Pr. Chao Jun Li, McGill University, Montréal, Canada

- 1. Our Future Challenges of Making and Using Chemical Products*
- 2. Exploration of New Chemical Reactivities for Synthetic Efficiency*

Dr. Bruno Chaudret, DR CNRS, INSA, Toulouse

Surface Chemistry and Reactivity of Organometallic Nanoparticles

Pr. David J. Cole-Hamilton, University of St Andrews, Edinburgh, Scotland

Atom economic reactions using cascade catalytic reactions.

Dr. Henri Doucet, Université de Rennes 1

Palladium catalyzed C-H bond activation/functionalisation for heterocycles synthesis

Dr. Jean-Luc Dubois, Arkema, France

Long chain amino-acids from renewables resources

Dr. Philippe Dupau, Société Firmenich, Genève, Suisse

Organometallics and catalysis: Ruthenium-catalyzed selective hydrogenation for flavor and fragrance applications at Firmenich

Pr. Vladimir Gevorgyan, Department of Chemistry, University of Illinois - Chicago, USA

Transition Metal-Catalyzed C-H Activation Enables Efficient Annulation and Cross-Coupling Reactions

Dr. Anny Jutand, DR CNRS, ENS Paris

Contribution of Electrochemistry to Organometallic Catalysis

Pr. Fumitoshi Kakiuchi, Keio University, Japon
Catalytic C-H Functionalization of Aromatic Ketones and Its Applications

Pr. Walter Leitner, Institute for Technical and Macromolecular Chemistry (ITMC), RWTH Aachen University, Allemagne

1. *General (ca 60 min): Catalyzing Chemical Reactions and Collaborations for "Green Chemistry"*
2. *Specific (40 min): Tailor-Made Fuels and Products from Biomass - Challenges and Opportunities for Molecular Catalysis*

Pr. Michael A. R. Meier, Karlsruhe Institute of Technology (KIT), Allemagne.
Plant Oils: The Perfect Renewable Resource for Polymer Science ?!

Dr. H el ene Olivier Bourbigou, IFP – Energies Nouvelles, Lyon, France
Towards more sustainable processes for industry in the field of olefin transformation

Pr. Maurizio Peruzzini, ICCOM – CNR, Florence – Italie
Water soluble complexes and their application in catalysis

Pr. Michinori Suginome, Kyoto University, Japon
Chirality-Switchable Polymer-based Ligands for Catalytic Asymmetric Synthesis

Pr. Qi Lin Zhou, State Key Laboratory and Institute of Elemento-organic Chemistry, Nankai University, Tianjin, Chine
Asymmetric C-C Bond-forming Reactions with Chiral Spiro Catalysts