

**ANR SUSTAINABLE CHEMISTRY CONFERENCE**  
**18<sup>th</sup>-19<sup>th</sup> SEPTEMBER 2012**  
**Ecole Normale Supérieure, LYON, FRANCE**

**Tuesday 18<sup>th</sup> September 2012**

8H30-9H30 Registration – Poster installation

9H30-9H45 Introduction by ANR officials

9H45-10H45 Plenary speaker

« Ecodesign indicators : towards a more sustainable chemistry »  
**Guy-Noël Sauvion** (*Head of Evaluation and Ecoefficiency, Rhodia*).

10H45-11H45 Catalysis session

**CAMELOT**, Environmentally friendly catalysis using tetradentate organometallic ligands : catalytic systems using copper and/or ultra-dilute palladium for C-H & C-Cl activation (*CP2D 2009*).

**Jean-Cyrille Hierso** (*Institut de Chimie Moléculaire de l'Université de Bourgogne, Université de Bourgogne*).

**RuCHCAT**, Ruthenium(II) catalysts and C-H functionalisation (*BLAN 2009*).  
**Anny Jutand** (*Ecole Normale Supérieure, CNRS*).

11H45-12H45 Poster session

12H45-14H00 Lunch

14H00-15H30 Catalysis session (continued)

**CO2GREEN**, Carbon dioxide : a sustainable carbon source for chemical synthesis via transition metal catalysis (*CP2D 2008*).

**Alain Deronzier** (*Département de Chimie Moléculaire, CNRS*).

**CATOX-METHANE**, Catalytic oxidation of methane and light hydrocarbons under ambient conditions using bimetallic iron phthalocyanin-type ligands (*BLAN 2008*).

**Alexander Sorokin** (*Institut de Recherches sur la Catalyse de Lyon, CNRS*).

**CALIST**, The specific role of ionic liquids auto-organization in catalytic reactions (*CP2D 2007*).

**Agilio Padua** (*Institut de Chimie de Clermont-Ferrand, Université Blaise Pascal*).

## 15H30-16H00 Coffee break

## 16H00-17H30 Non-food uses of Biomass

**GUERBET**, Evaluation and fine-tuning of the acid-base properties of heterogeneous catalysts for Guerbet alcohols synthesis (*CP2D 2009*).

**Franck Dumeignil** (*Unité de Catalyse et de Chimie du Solide, Université Lille 1*).

**PRODULUZ**, A sustainable process of transformation and valorization of alfalfa : study of an intensive dehydration process and production of high added-value products (*CP2D 2007*).

**Pierre-Yves Pontalier** (*Laboratoire de Chimie Agro-Industrielle, ENSIACET Toulouse*).

**AEPRC2V**, An economic approach of the integration of socio-economical and technical dimensions in research programmes in « doubly green chemistry » (*CP2D 2009*).

**Martino Nieddu** (*Organisations Marchandes et Institutions, Université de Reims Champagne-Ardennes*).

## 17H30-19H00 Poster session + Wine reception

## Wednesday 19<sup>th</sup> september 2012

8H30-9H00 **Welcome**

9H00-10H00 **Plenary speaker**

“New routes to chemicals from waste bio-oils”

**Prof. David Cole-Hamilton** (*Irvine Professor of Chemistry, EastCHEM, University of Saint Andrews, Scotland, UK*).

10H00-10H30 **Industrial Chemistry and Processes session**

**NANOREMCAT2**, Recycling of homogeneous metathesis catalysts *via* nanofiltration or membrane reactor: how to achieve sustainable production (CP2D 2009) ?

**Murielle Rabiller-Baudry** (*Sciences Chimiques de Rennes, Université Rennes 1*).

10H30-11H00 **Coffee break**

11H00-12H30 **Industrial Chemistry and Processes session (continued)**

**RAPIC**, Low-cost, intensified Heat exchanger/reactor (CP2D 2007).

**Zoé Minvielle-Anxionnaz** (*Laboratoire d'Innovation pour les Technologies des Energies Nouvelles et les nanomatériaux, CEA, Grenoble*).

**HEXOSiC**, Development of a silicon carbide Heat exchanger/reactor (CP2D 2008).

**Richard Vivier** (*Société Bluestar Silicones France, Saint-Fons*).

**INBIOSYN SOLV**, Virtual laboratory for the design of biosourced synthons and solvents using a molecular inverse formulation approach (CP2D 2009).

**Vincent Gerbaud** (*Laboratoire de Génie Chimique, CNRS, Toulouse*).

12H30-14H00 **Lunch + poster session**

14H00-15H30 **REACH, Health and Environment session**

**INNOTOX**, Validation of *in silico* and *in vitro* test methods for the toxicological and ecotoxicological evaluation of substances and preparations (CP2D 2007).

**Ronan Bureau** (*Centre d'Etude et de Recherche sur le Médicament de Normandie, Université de Caen Basse-Normandie*).



**NESOREACH**, New “eco-compatible” REACH compliant solvents (CP2D 2009).  
**Bruno Andrioletti** (*Institut de Chimie et Biochimie Moléculaire et Supramoléculaire, Université Lyon I*).

**FLUOSENSIL**, Fluorogenic task-specific ionic liquid probes for heavy metal titration in water (CP2D 2008).  
**Isabelle Leray** (*Laboratoire de Photophysique et de Photochimie Supramoléculaire et Macromoléculaire, CNRS, Cachan*).

15H30-16H00 **Pause**

16H00-17H00 **Enzyme Engineering session**

**CRAZYPOLYSACCHARIDES**, Blind screening of enzymatic activity on a collection of polysaccharides with known and unknown structures (CP2D 2008).  
**William Helbert** (*Station Biologique de Roscoff, CNRS*).

**GLYCOBALLS**, *In vitro* synthesis of hyperbranched biopolymers and innovative nanoparticles using a bioinspired enzymatic toolbox (CP2D 2009).  
**Jean-Luc Putaux** (*Centre de Recherches sur les Macromolécules Végétales, CNRS, Grenoble*).

17H00-17H30 **Closing remarks**

**Patrick Cognet**, *head of the “sustainable chemistry” funding schemes of ANR.*

17H30 **END**