

## Confirmed Speakers

### Plenary lecture

#### **IL01 - When Heterogeneous Catalysis Drives Innovation in Fuel Cell Electrocatalysis**

Prof. Marian CHATENET  
(LABORATORY OF ELECTROCHEMISTRY AND PHYSICAL CHEMISTRY OF MATERIALS AND INTERFACES, LEPMI,  
GRENOBLE-INP, Grenoble, France)

### Keynote Speakers

#### **KL03 - Innovative Synthesis of Nanostructured Composite Materials by a Spray-Freeze Drying Process: Efficient Catalysts and Photocatalysts Preparation**

Prof. Stefania ALBONETTI  
(UNIVERSITÀ DI BOLOGNA, Bologna, Italy)

#### **KL01 - Preparation Of Pb-Free Pd-Catalysts for Continuous Semi-Hydrogenation of Alkynes in Vitamin Production**

Dr Jonathan MEDLOCK  
(DSM NUTRITIONAL PRODUCTS, Basel, Switzerland)

#### **KL02 - Advanced Transmission Electron Microscopy for Real-time Studies of Catalyst Preparation**

Dr Jovana ZECEVIC  
(UNIVERSITEIT UTRECHT, Utrecht, The Netherlands)

### Oral Communications

#### **OC17 - Preparation of Calcium Titanate Photocatalysts for Reduction of Carbon Dioxide**

Mr Akihiko ANZAI  
(KYOTO UNIVERSITY, Kyoto, Japan)

#### **OC11 - Triggering Catalytic Ignition of Ammonium Dinitramide-Based Monopropellants at Reduced Temperature: From Powdered to 3D-Printed Monolithic Catalysts**

Dr Yann BATONNEAU  
(UNIVERSITÉ DE POITIERS, Poitiers, France)

#### **OC20 - The Role of the Metal Complex - Support Interaction in the Formation of Platinum Properties In Pt/Al(Mg)O Catalysts**

Dr Olga BELSKAYA  
(IHP SB RAN, Omsk, Russia)

#### **OC26 - Preparation of Zeolite-Alumina Nanocomposites by Heterocoagulation and their Application as Support for Bifunctional Acid-Metal Catalysis**

Dr Juliette BLANCHARD  
(UNIVERSITÉ PIERRE ET MARIE CURIE, Paris, France)

#### **OC08 - Materials with Oriented Hierarchical Porosity as Catalyst Supports**

Ms Alejandra BUENO  
(IRCELYON, Lyon, France)

#### **OC28 - Hydrothermal Stability of Alumina : Role of Inorganic Dopants and Identification of Reactive Sites**

Prof. Xavier CARRIER  
(UNIVERSITÉ PIERRE ET MARIE CURIE, Paris, France)

#### **OC03 - Selective Catalytic Oxidation over Au-Pd/Titanate Nanotubes and the Influence of the Catalyst Preparation Method on the Activity**

Prof. David CHADWICK  
(IMPERIAL COLLEGE LONDON, London, United Kingdom)

## Confirmed Speakers

### **OC06 - Preparation of Transition Metal(Oxide) Nanoparticles Confined in the Second Pore Network of Mesoporous Scaffolds Using Melt Infiltration**

Dr Carmen CIOTONEA  
(UNIVERSITY OF LILLE, Villeneuve d'Ascq, France)

### **OC07 - Influence of the Oxygen Storage Capacity of Mesoporous Doped CeO<sub>2</sub> on the Catalytic Activity in the HCl Oxidation**

Mr Pascal COP  
(JUSTUS-LIEBIG-UNIVERSITY GIESSEN, Giessen, Germany)

### **OC15 - Impact of the Preparation Of V-Modified Hydroxyapatites on the Oxidative Dehydrogenation of Propane Reaction: Synergistic Effects**

Dr Guylène COSTENTIN  
(SORBONNE UNIVERSITÉ, LABO. DE RÉACTIVITÉ DE SURFACE ET STRUCTURE, Paris, France)

### **OC30 - Catalytic Activation of Al-Silica COK-14 through Alumination via Atomic Layer Deposition and a Novel Wet Ball Milling Technique**

Ing Michiel DE PRINS  
(KU LEUVEN, Heverlee, Belgium)

### **OC25 - Zeolite Shaping: Control of the Zeolite Acid Properties and Description of the Zeolite/Binder Interface**

Ms Coralie DEMARET  
(IFP ENERGIES NOUVELLES, Solaize, France)

### **OC32 - Synthesis of Platinum Nanoparticles and 3D Porous Nanostructures Using Atomic Layer Deposition**

Dr Jolien DENDOOVEN  
(GHENT UNIVERSITY, Gent, Belgium)

### **OC22 - Hydrotreating Catalyst Supported on Alumina Coated with Bio-Inspired Polymers**

Dr Elodie DEVERS  
(IFPEN, Solaize, France)

### **OC13 - Advanced Reactors for the Continuous Synthesis of Inorganic Particles**

Dr Philippe ELIAERS  
(CERTECH, Seneffe, Belgium)

### **OC19 - Why Don't we Follow the Calcination and Reduction Stages of Pd Nanocatalysts Supported on Alumina In Situ Directly in an Environmental Transmission Electron Microscope?**

Prof. Thierry EPICIER  
(UNIVERSITY OF LYON, Villeurbanne, France)

### **OC23 - Precision Preparation and Rational Molecular Engineering of Multifunctional Supported Catalysts**

Mr Antony FERNANDES  
(UNIVERSITÉ CATHOLIQUE DE LOUVAIN, Louvain-la-Neuve, Belgium)

### **OC01 - Variation of the Proximity Between Active Sites in Bifunctional Catalysts Applied to Dispersed Platinum Nanoparticles Supported on Chlorine Doped Gamma-Alumina**

Ms Ana Teresa FIALHO BATISTA  
(IFP ENERGIES NOUVELLES, Solaize, France)

### **OC14 - Development of Low Nickel Content Powder and Structured Catalysts for Dry Reforming of Methane**

Mr Quan Luu Manh HA  
(LEIBNIZ INSTITUTE FOR CATALYSIS, Rostock, Germany)

## Confirmed Speakers

### **OC02 - Preparation of Mesoporous Aluminosilicate Nanofibers with Low Si/Al Ratio as Catalyst for Hydrotreatment of Bio-Oil**

Mr Tommy HAYNES  
(UNIVERSITY OF LOUVAIN, Louvain-la-Neuve, Belgium)

### **OC12 - The Development of a 3D-Printed Stainless Steel Catalytic Oxidation Reactor**

Dr Jacco HOEKSTRA  
(KMWE, Eindhoven, The Netherlands)

### **OC05 - A Core-Shell Structured Ni-Fe Bifunctional Nanomaterial For Catalyst-Assisted Chemical Looping**

Mr Jiawei HU  
(GHENT UNIVERSITY, Ghent, Belgium)

### **OC09 - Up-Scaling the Production of Nanomaterials with Customized Properties Using Continuous Supercritical Flow Synthesis**

Dr Christian KALLESOE  
(DANISH TECHNOLOGICAL INSTITUTE, Taastrup, Denmark)

### **OC04 - Tailoring Particle Size in Cobalt and Cobalt-Manganese Based Fischer Tropsch Catalysts**

Mr Tobias KIMPEL  
(EINDHOVEN UNIVERSITY OF TECHNOLOGY, Eindhoven, The Netherlands)

### **OC10 - 3D-Printing of Catalytic Structured Materials**

Dr Jasper LEFEVERE  
(VITO, Mol, Belgium)

### **OC34 - Cold Plasma for Catalyst Preparation: How Does It Work?**

Prof. Changjun LIU  
(TIANJIN UNIVERSITY, Tianjin, China)

### **OC29 - Grafting Chemistry as a Tool to Understand Wet Impregnation Synthesis of Supported Metal Oxides**

Ms Alyssa LOVE  
(UNIVERSITY OF WISCONSIN-MADISON, Madison, United States)

### **OC16 - Bimetallic Fe-Ni/SiO<sub>2</sub> Catalysts: Identification of the Interplay Between Fe and Ni During the Preparation of Well-Defined Fe-Ni Nanoparticles**

Dr Eric MARCEAU  
(UNIVERSITÉ LILLE 1, Villeneuve d'Ascq, France)

### **OC18 - Preparation of Ni-Ga Bimetallic Catalysts by Water-in-Oil Microemulsions for Methanol Synthesis via CO<sub>2</sub> Hydrogenation**

Ms Paulina MELO BRAVO  
(UNIVERSIDAD DE CONCEPCION, Concepcion, Chile)

### **OC33 - Development of Continuous Method of Electroless Deposition for Preparation of Supported Bimetallic Catalysts**

Prof. John MONNIER  
(UNIVERSITY OF SOUTH CAROLINA, Columbia, United States)

### **OC35 - Electrostatic Adsorption of Metal Precursors for the Preparation of Highly Dispersed Heterogeneous Catalysts**

Prof. John REGALBUTO  
(UNIVERSITY OF SOUTH CAROLINA, Columbia, United States)

### **OC24 - Purely Lewis Acidic Aluminosilicates with Well-Defined Single Sites**

## Confirmed Speakers

Dr Ales STYSKALIK  
(UNIVERSITY OF MAZARYK, Louvain-la-Neuve , Belgium)

### **OC31 - New Synthesis Route of Heterogeneous Oxide Catalysts Based on the Use of Gliding Arc Atmospheric Plasma Discharge**

Dr Antoine TIYA DJOWÉ  
(UNIVERSITY OF YAOUNDÉ (CAMEROON) & UNIVERSITÉ CATHOLIQUE DE LOUVAIN, Louvain-la-Neuve, Belgium)

### **OC27 - Control of Alumina Textural Properties by Nanorods Morphology and Organization**

Ms Audrey VALETTE  
(IFP ENERGIES NOUVELLES, Solaize, France)

### **OC21 - The Influence of MAO Loading and Distribution on the Catalytic Performance of the Heterogenized Metallocene Olefin Polymerization Catalyst**

Ms Marjolein VELTHOEN  
(UTRECHT UNIVERSITY, Utrecht, The Netherlands)