



Cardiff Catalysis Institute Conference

15th – 16th January 2019

Large Shandon Lecture Theatre, Main Building

Tuesday 15th January 2019

12:00 Buffet Lunch (VJ Gallery)

12:45 **Opening remarks**
Graham Hutchings

Session 1: Graham Hutchings

12:50 **Catalysis from single site to nanoparticles**
Avelino Corma, ITQ

13:35 **Preparation and Uses of ZnO and Cu Nanoparticles: From Clusters to Catalysis**
Charlotte Williams

14.20 **Seeing the Active Site in Catalysis**
Bert Weckhuysen, Utrecht University

15.05 Coffee and Posters (VJ Gallery)

Session 2: Richard Catlow

15:35 **Catalytic Cleavage of C–C Inter-unit Linkages in Lignin Model Compounds: Towards Lignin Depolymerisation**
Susana Guadix Montero, CCI

16.00 **Modifying precursor phases for green methanol catalysts**
James Hayward, CCI

16.25 **New directions in porous materials**
Matt Rosseinsky, University of Liverpool

Wednesday 16th January 2019

Session 3: Mike Bowker

- 09.00 **Model Catalysts Design: A Material Science Perspective at the Atomic Level**
Hans-Joachim Freund, Fritz Haber Institute
- 09:45 **The Hydrothermal Growth of Metal Oxide Nanoparticles With Tailorable Morphology**
Josh Davies, CCI
- 10:10 **Gas phase valorization of glycerol over ceria nanostructures with well defined morphologies**
Louise Smith, CCI
- 10:35 Coffee and Posters (VJ Gallery)

Session 4: Duncan Wass

- 11.00 **Energy, Climate Change and the Chemical Industry**
Michael Bender, BASF
- 11:45 **Catalysis Engineering, a multi-level approach**
Jacob Moulijn, TU Delft
- 12:30 Lunch and Posters (VJ Gallery)
- 14:00 Conference closes