**Cardiff Catalysis Institute Conference**

**6-7th January 2015 – Julian Hodge Building**

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|  | **Tuesday 6th January 2015** |
| 12:00 | Buffet Lunch (Julian Hodge Foyer) |
| 12:45  12:50 | **Opening remarks**  Graham Hutchings  Session 1 Chair Kenneth Harris  **Cu3In2 - when atomistic descriptions break down** |
|  | *Sven Lidin, Lund University* |
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| 13:45 | **Identification of new functional materials – integration of computation and experiment** |
|  | *Matthew Rosseinsky, University of Liverpool* |
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| 14:40 | Coffee and Posters |
|  | Session 2 Chair Michael Bowker |
| 15:10 | **Georgeite: A rare gem for catalysis** |
|  | *Paul Smith, CCI* |
| 15:35 | **Acetylene hydrochlorination using gold-containing nanoparticles**  *Catherine Davies, CCI* |
| 16:05 | **Compositional analysis in an aberration corrected STEM – a powerful tool for advancing catalysis science** |
|  | *Chris Kiely, Lehigh University* |
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| 17:00  -18:00 | Posters with refreshments |
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|  | **Wednesday 7th January 2015** |
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| 8:45 | Session 3 Chair Philip Davies  **Catalysis Research at BASF: In Search of Innovation Solutions for a Sustainable Future** |
|  | *Saeed Alerasool, BASF* |
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| 9:40  10:05 | **New perspectives on metal-support interactions in Pt/titania catalysts**  *Sara Vieitez Calo, CCI*  **The interaction of Hydroxymethylfurfural with metal nanoparticles: A DFT study**  *Liam Thomas, CCI* |
| 10:30 | Coffee and Posters |
|  | Session 4 Chair Stanislaw Golunski |
| 10:50  11:15  11:40  12:35  14:00 | **Green methanol synthesis from the reductive cleavage of glycerol**  *Gemma Brett, CCI*  **Scalable synthesis of Lewis acidic zeolites for sustainable, liquid phase catalytic transformations**  *Ceri Hammond, CCI*  **Probing liquid and gas phase catalytic reaction mechanisms using in-situ spectroscopy and scattering techniques**  *Christopher Hardacre, Queens University*  Lunch and Posters  Conference closes |
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