

EPSRC Centre for Doctoral Training in Catalysis (CDT)

Spring Symposium

Tuesday 7th June 2016

9.00 to 16:00

Main Building, Cardiff University

09:00 Arrival: Tea & Coffee

VJ Gallery

09:30 Welcome – Graham Hutchings

Wallace Lecture Theatre

09:35 1st year PhD presentations

Chair: Duncan Wass

09.35 Davide Motta *Ir-based nanoparticles and molecular complexes for catalytic hydrogen generation*
Nikolaos Dimitratos (Cardiff), Ulrich Hintermair (Bath), Ceri Hammond (Cardiff)

09.50 Hubert Meissel *Ligands for Catalysis*
Paul Pringle (Bristol), Ruth Webster (Bath)

10.05 Hugh Hamilton *Transition metal frustrated lewis pairs in Catalysis*
Duncan Wass (Bristol), Rebecca Melen (Cardiff), Michael Hill (Bath)

10.20 Keiko Yakabi *From Plant to Plastic*
Ceri Hammond (Cardiff), Nikolaos Dimitratos (Cardiff), Antoine Buchard (Bath)

10.35 Korrin Saunders *Water Purification (CWAO)*
Stanislaw Golunski (Cardiff), Pawel Plucinski (Bath)

Chair: Pawel Plucinski

10.50 Leticia Ruiz *Combining computational Modelling*
David Willock (Cardiff), Stanislaw Golunski (Cardiff), Matthew Jones (Bath), Pawel Plucinski (Bath)

11.05 Lewis Bowman *Efficient Photocatalysis and photoanodes for solar fuel*
Salvador Eslava (Bath), Philip Davies (Cardiff)

11.20 Manuel Grasiņa *Synthesis of shape and size controlled nanoparticles*
Stuart Taylor (Cardiff), Graham Hutchings (Cardiff), Nikolaos (Cardiff), Matthew Jones (Bath)

11.35 Matthew O'Neill *Continuous synthesis of organic carbonates from CO₂*
Ulrich Hintermair (Bath), Sankar Meenakshisundaram (Cardiff)

11.50 Stephen Luckham *Insights into iron-catalysed cross coupling reactions*
Robin Bedford (Bristol), Damien Murphy (Cardiff), Randolph Kohn (Bath)

12:30 Networking lunch

VJ Gallery

13:30 1st year PhD posters

MRes poster presentations

Outreach demonstration

VJ Gallery

16:00 Event finish

EPSRC Centre for Doctoral Training in Catalysis (CDT)

12.15 – 16:00 Poster presentations

VJ Gallery, Main Building

1st year PhD Students 12.15-16:00

Davide Motta *Ir-based nanoparticles and molecular complexes for catalytic hydrogen generation* - Nikolaos Dimitratos (Cardiff), Ulirich Hintermair (Bath), Ceri Hammond (Cardiff)

Hubert Meissel *Ligands for Catalysis* - Paul Pringle (Bristol), Ruth Webster (Bath)

Hugh Hamilton *Transition metal frustrated lewis pairs in Catalysis* - Duncan Wass (Bristol), Rebecca Melen (Cardiff), Michael Hill (Bath)

Keiko Yakabi *From Plant to Plastic* - Ceri Hammond (Cardiff), Nikolaos Dimitratos (Cardiff), Antoine Buchard (Bath)

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Lewis Bowman *Efficient Photocatalysis and photoanodes for solar fuel* - Salvador Eslava (Bath), Philip Davies (Cardiff)

Manuel Grasina *Synthesis of shape and size controlled nanoparticles* - Stuart Taylor (Cardiff), Graham Hutchings (Cardiff), Nikolaos (Cardiff), Matthew Jones (Bath)

Matthew O'Neill *Continuous synthesis of organic carbonates from CO₂* - Ulirich Hintermair (Bath), Sankar Meenakshisundaram (Cardiff)

Stephen Luckham *Insights into iron-catalysed cross coupling reactions* - Robin Bedford (Bristol), Damien Murphy (Cardiff), Randolph Kohn (Bath)

MRes students 13:30-16:00

David Marchant *Asymmetric Photocatalysis in Chiral Nanoreactors* - Dave Carbery (Bath)

Emma Freeman *Nano-engineered Photocatalysis for solar fuels* - Salvador Eslava (Bath)

Gael Gobaille-Shaw *Transition Metal Oxides as Oxygen Reduction Electrocatalysis* - David Fermin (Bristol)

Jonthan Hall *Development of an enzyme-coupled organocatalytic system* - Louis Luk (Cardiff)

Kirstie Milne *Selectivity and lifetime effects in Sn-catalysed Baeyer-Villager oxidations* - Ceri Hammond (Cardiff)

Kurt Polidano *Design, Synthesis and Catalytic Application of P-containing Ligands* - Paul Pringle (Bristol)

Louis Morris *Earth Abundant Catalysis for Controlled Organometallic Polymer Synthesis* - Michael Hill (Bath)

Mark Sullivan *Synthesis of novel nanoparticles using a combination of conventional and microwave methodologies* - Nikolaos Dimitratos (Cardiff)

Mattia Manzotti *Merging organocatalysis and frustrated Lewis pairs. Novel two-step, one-pot procedure for the synthesis of 3-amino-2-methylpropanoate esters* - Rebecca Melen (Cardiff)

Naomi Markham *Sustainable liquid hydrogen carriers for automobile industry* - Pawel Plucinski (Bath)

Paulina Genzels *Heterogeneous Catalysis for Hydrogen Auto Transfer Reactions* - Sankar Meenakshisundaram (Cardiff)

Rose King *Catalytic upgrading of ethanol to advanced biofuels* - Duncan Wass (Bristol)

Taniya Shandil *Catalytic chirality generation: new strategies for organic synthesis* - John Bower (Bristol)