# CATALYSIS: FUNDAMENTALS AND PRACTICE, LIVERPOOL 17 - 21 July 2017

| | Monday 17 July 2017 | Tuesday 18 July 2017 | Wednesday 19 July 2017 | Thursday 20 July 2017 | Friday 21 July 2017 |
|---|---|---|---|---|---|
| 8.30 | Registration | | | | |
| 8.50 | Welcome **Jon. Iggo** ***(U Liverpool)*** | | | | |
| 9-10 | Principles of Homogeneous Catalysis **David Cole-Hamilton** ***(U St Andrews)*** | Catalysis in Bio-technology **Andreas Liese** ***(TU Hamburg)*** | Catalyst deactivation **John Birtill** ***(Highcliffe Catalysis Limited and U Glasgow)*** | Fundamentals of Catalytic Reaction Engineering **Jacob Moulijn,** ***(U Cardiff & TU Delft)*** | From Discovery to Production: Development and commercialization of a new MMA process **Graham Eastham,** ***(Lucite)*** |
| 10-11 | Principles of Heterogeneous Catalysis **S. Dave Jackson** ***(U Glasgow)*** | Catalysis for fuel cells **Alex Martinez Bonastre** ***(JM Fuel Cells)*** | Heirarchical systems **Augustin Martínez Feliu** ***(ITQ)*** | Catalyst characterization in an industry setting **Steve Bailey,** ***(JM Process Technologies)*** | *Operando* studies of catalytic reactions: pitfalls and benefits. **Fred Meunier,** ***(IRCELYON)*** |
| 11-11.20 | *Coffee* | *Coffee* | *Coffee* | *Coffee* | *Coffee* |
| 11.20-12.20 | Tricks of the Trade – Aspects of commercial catalyst manufacturing **Robert Terorde,** ***(BASF Cat.)*** | Engineering a process **François-X. Chiron** ***(Haldor Topsoe)*** | The Fundamentals of Catalysis on the Molecular Level. **Richard Catlow,** ***(UCL)*** | Synthetic Biotransformations **Nick Turner,** ***(U Manchester)*** | Cat in a Hot Tin Tube: Designing reactors to suit the catalysis **Hugh Stitt** ***(JM Process Technologies)*** |
| 12.30-2 | *Lunch* | *Lunch* | *Lunch* | *Lunch* | *Lunch* |
| 2-3 | Process Development: Scale-up of Homogeneous Catalytic Reactions **John Blacker,** ***(iPRD, ULeeds)*** | Chemical and Process Engineering in Catalysis – Workshop ***(Syndicate Activity led by Dave Law, BP) tbc*** | STM Applied to Surface Reactions **Mike Bowker,** ***(U Cardiff)*** | How to write A paper for a world class journal **Roel Prins** ***(ETH)*** | High Throughput Experimentation in Heterogeneous Catalysis Today **Alfred Haas,** ***(hte)*** |
| 3-4 | Catalysis in C-C bond forming **Duncan Wass,** ***(U Bristol)*** | | Free time | | Catalysis in sustainable energy and chemicals production. **Chris Hardacre,** ***(QUB)*** |
| 4-4.20 | *Coffee* | | | | Closing remarks |
| 4.20-5.20 | Computational quantum chemistry in homogeneous and bio-catalysis **Michael Buehl** ***(U St Andrews)*** | | | Protecting intellectual property **John Ridland** ***(JM Process Technologies)*** | Meeting ends |
| 6-9 | Poster Session & Mixer | | | *Conference Dinner* | |