

# New Approaches to Mitigating Catalyst Deactivation

5 March 2019, Burlington House (RSC), Piccadilly, London, W1J 0BA, UK

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## Introduction

Mitigating catalyst deactivation is a crucial issue facing the development of catalysts and processes for many globally important challenges and a strategically important area of academic and industrial catalyst development.

This 1-day *RSC Applied Catalysis Group* symposium will bring together academic and industrial speakers to share exciting developments and examples of mitigating catalyst deactivation in real world catalysts as well as their perspectives on the future of this stimulating field.

## Invited Speakers:

### **Enzyme immobilisation and operational stability**

*Francesca Paradisi (University of Nottingham)*

### **Sulphur Poisoning: How much do we really understand?**

*David Jackson (University of Glasgow)*

### **Next Generation FT catalyst: Activation and Deactivation Study**

*Roy Partington (BP)*

### **Kinetic Studies to Identify, Understand and Mitigate Catalyst Deactivation in Homogeneous Catalysis**

*Jordi Bures (University of Manchester)*

### **Catalyst performance in the hydrogenation of sulphur containing petrochemical feedstocks**

*Bennie Reesink (BASF)*

### **Stabilised supported gold complexes for VCM production**

*Peter Johnston (JM)*

### **Catalyst Deactivation in Homogeneous Hydrogenation**

*Hans de Vries (Liebnitz Institute)*

## Programme

The event will include perspective talks from a mix of industrial and academic invited speakers, as well as the opportunity to network and for students/younger members to present posters:

09:30	Poster Setup
10:00	Registration, coffee & poster session
10:45	Presentation session 1
12:15	Buffet lunch, networking & poster session
13:30	Presentation session 2
15:30	Afternoon tea, networking & poster session
16:15	Presentation session 3
17:50	Wine reception

## Call for posters

The deadline for poster submissions is 18:00, 01st January 2019. Students are encouraged to submit *via* email a short poster abstract (250 words maximum using the template on the [website below](#) to the committee: [acg.event@durham.ac.uk](mailto:acg.event@durham.ac.uk)). There are a limited number of poster spaces available.

## Registration and Website

[www.rsc.org/events/detail/32535/new-approaches-to-mitigating-catalyst-deactivation](http://www.rsc.org/events/detail/32535/new-approaches-to-mitigating-catalyst-deactivation)

	£ Early bird (until 31 Jan.)	£ Standard (after 31 Jan.)
RSC member	105	135
Non-member	120	150
Students (RSC member)	30	60
Students (non-member)	40	80

Cancellation Deadline: 01<sup>st</sup> December 18

## Bursaries

We are pleased to offer free registration for the first 10 students who are accepted to present a poster (first-come, first-served).

## Exhibition Opportunities and Sponsorship

We rely on the generosity of our sponsors in order to keep registration costs as low as possible! There will also be a small exhibition of relevant trade stands. Please contact us ([acg.event@durham.ac.uk](mailto:acg.event@durham.ac.uk)) for details of further sponsorship / exhibition opportunities.

## About the ACG

This event is organized by the RSC Applied Catalysis Group (ACG). The Applied Catalysis Group aims to promote both hetero- and homo-generous catalysis through a range of activities including seminars, conferences and other professional activities related to chemical catalysis.

## Organizing Committee

Simon Beaumont (*Durham University*); Martin Hayes (*Johnson Matthey*); David Jackson (*University of Glasgow*); Stuart Taylor (*Cardiff University*); Keith Whiston (*Invista*).