

Applied Catalysis in the Circular Economy

7 March 2023, Burlington House (RSC), Piccadilly, London, W1J 0BA, UK

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Introduction

Novel processes utilising renewable and sustainable feedstocks, process byproduct re-use/valorisation and polymer recycling are crucial to achieve a truly circular economy. These processes have created the need for new active and stable catalytic technologies that allow transformation of new substrates, also in the presence of impurities.

This 1-day RSC Applied Catalysis Group symposium will bring together academic and industrial speakers to share exciting developments and examples on the relevant role that catalysis plays to achieve carbon neutrality in real world as well as their perspectives on the future of this stimulating field.

Invited Speakers:

CO₂ recycling into fuels and chemicals

Crina Corbos (JM)

Aspects of Catalysis in the Chemical Recycling of Polyolefins

Christoph Dittrich (SABIC Technology & Innovation)

Lytic polysaccharide monooxygenases and their use in polysaccharide degradation

Luisa Ciano (University of Nottingham)

Catalysts that create valuable everyday materials from waste CO₂

Michael Kember (Econic Technologies)

Chemical Recycling of Problematic Plastics

Arthur Garforth (University of Manchester)

Catalysis for chemical recycling of polyesters

Matthew Davidson (University of Bath)

The Role of Catalysis in Sustainable Fuels from Waste Products'

James Patterson (BP)

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 September 2022. Students are encouraged to submit *via* email a short poster abstract (250 words maximum using the template on the [website below](#) to the committee: keith.whiston@kes.global. There are a limited number of poster spaces available.

Registration and Website

<http://www.rsc.org/events/detail/73785/applied-catalysis-in-the-circular-economy>.

	£ Early bird (until 15 Aug.)	£ Standard (after 15 Aug.)
RSC member	110	140
Non-member	130	155
Students (RSC member)	35	60
Students (non-member)	45	80

Cancellation Deadline: 01st September 22

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 (keith.whiston@ks.global) 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 all fields of catalysis through a range of activities including seminars, conferences and other professional activities related to chemical catalysis.

Organizing Committee Keith Whiston (*KTS*); Martin Hayes (*Johnson Matthey*); Stephen Wainwright (*Johnson Matthey*); Stuart Taylor (*Cardiff University*); Joshua Henshaw (*BASF*); Juan Maria Gonzalez Carballo (*Drochaid Research Services*); Xiaolei Fan (*University of Manchester*)