

RSC Symposium 2024

Resource Innovation and Technical Advances in the Specialty Chemicals Sector

19-20th June 2024, Messe Düsseldorf, Germany

In the modern world alternative disruptive process technologies coupled with alternative sources of chemicals and materials are being explored to improve processes by replacing hard-target materials or traditional production processes, or both. Particular attention has been paid to extracting value from waste (especially materials that pollute the environment) and to recycling/ reusing/ repurposing activities which offer many extra benefits, ranging from a cheaper source of key precursor compounds to completely new processing technologies. In other areas the study of natural resource utilisation to access novel chemistry offers an attractive alternative to current practices.



This two-day international symposium organised by the RSC Specialty Chemicals Sector will be held in conjunction with the [Chemspec Europe 2024 exhibition](#), organised by Mack Brooks Exhibitions Group.

There will be a programme of internationally acclaimed speakers, mostly from industries and organisations making pioneering advances in the science, understanding and development of new approaches to processing and synthesis.

Day 1 – Wednesday 19th June

Session 1 Chair: Sarah Hickingbottom, Futurebridge

10:00 – **“How to speed up API development using flow chemistry”**
10:30 Dr Guillaume Gauron, EMEA Technical Sales Manager Reactor Technologies, Corning SAS

10:30 – **“Exploring Efficient Routes for Precious Metals Recovery from Complex Homogeneous Systems”**
11:00 Dr Steve Colley, Technical Director, Mastermelt Ltd

11:00 – **“A Case Study on Sonichem’s Ultrasonic Fractionation of Biomass”**
11:30 Miranda Lindsay-Fynn, Commercial Director, Sonichem

Session 2

12:00 – **“Continuous Processing for a Continuous Future: ETERNAL’s Sustainable Practices”**
12:30 Paz Sebastia-Luna, AIMPLAS – Technological Institute of Plastics

12:30 – **“Batch-to-Continuous Case Studies for Specialty Chemical Manufacturing”**
13:00 Ben Egelske, Sr. Chemical Engineer, Applied Catalysts

Session 3

- 14:00 – **“Black Powders & Spheres: Precious Metal Catalysts for Efficient Production of Value-Added Chemicals”**
14:30
Artur Gantarev, Global Technical Sales Manager –Chemical Catalysts, Heraeus Precious Metals GmbH
- 14:30 – **“Visualized whole system understanding for Resource Innovation in Speciality Chemicals”**
15:00
Robert H. Peeling, Britest Limited
- 15:00 – **“A practical toolbox for deprotection and fluorination of organic molecules”**
15:30
Dr Lorenzo Orsini, R&D Director, Alkeemia
- 15:30 – **“Ethenolysis as a new tool for the chemical industry”**
16:00
Dr Andreas Kohl, Head of Specialty Chemicals and Catalysts, Verbio SE

Day 1

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Day 2 – Thursday 20th June

Session 4

- 10:00 – **“Odour profiling of samples to optimise the prototyping design and production process of hotmelt adhesives”**
10:30
Rita Ribau Domingues, Senior Consultant, Olfasense GmbH
- 10:30 – **“Supply Chain Resilience Realised using Continuous Manufacturing & Decentralised Production”**
11:00
Dr Charlotte Wiles, Chemtrix BV
- 11:00 – **“Developing new manufacturing processes with ‘old’ enzymes”**
11:30
Dr Marc Hayes, Senior Business Development Manager, Enzymaster Deutschland GmbH

Session 5

- 12:00 – **“Continuous production of a functional consumer care product through process innovation”**
12:30
Professor Xiong-Wei Ni, FIChemE, FRSC, Founder and CSO, NiTech Solutions Ltd
- 12:30 – **“The use of alternative sources of energy in flow chemistry and the development of automatized microfluidic systems for the high-throughput synthesis of active ingredients”**
13:00
Julien DAUBIGNARD, Ing., PhD, Institut Carnot IPGG Microfluidique
- 13:00 – **“Flow chemistry as a process technology in industry – Miprowa reactors revolutionize chemical processes”**
13:30
Dr. Rafael Kuwertz, Ehrfeld Mikrotechnik GmbH

Day 2

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