

# Royal Society of Chemistry Symposium 2014

## Waste Not, Want Not Profit from Sustainable Chemistry

June 18<sup>th</sup>

### Design for Circular Economy

- 10.30 Design for a circular economy - a company pathway to the challenge of critical raw materials  
*Prof David Peck, Ind Des Eng. Delft University of Technology, The Netherlands*
- 11.00 Closed Loop Emotionally Valuable E-waste Recovery Research project  
*Dr Janet Scott, Bath University, UK*
- 11.30 'Whats in my stuff'  
*Dr Hywel Jones, Sheffield Hallam University, UK*

### Sustainable Processes

- 12.00 Opportunities for the development of sustainable production processes  
*Charlotte Wiles, Chemtrix BV, UK*
- 12.30 Chlorination and Sulfonation - Surprisingly Sustainable  
*Joerg Schrickel, CABB AG, Switzerland*

13.00 **Lunch Break**

### Sustainable Processes (contd)

- 13.30 Profit from Sustainable Chemistry - Application of Biocatalysis to Improve Sustainability in Industrial Production  
*Pascal Duenkelmann, evocatal GmbH, Germany*
- 14.00 Functionalised Silicas – Tools for Sustainable Chemistry  
*Dr Richard Black, PhosphonicS, UK*
- 14.30 Holistic Project Management - How to add value by continuous improvement along the process chain  
*Boris E. Bosch, Saltigo GmbH, Germany*
- 15.00 Holistic evaluation of processes to create more sustainable solutions  
*Peter Saling BASF SE, Germany*

### Scarce Element Recovery

- 15.30 Capture your metals and release hidden value – innovative developments in Metal Scavenging  
*Lance Pryce, Johnson Matthey, UK*

16.00 **Close**

**June 19<sup>th</sup>**

### **Scarce Element Recovery (contd)**

- 10.30 Materials Security Innovation Opportunities  
*Catherine Joce, CIKTN, UK*
- 11.00 Approach on substance management and substitution – Case studies on certain CRM phase-outs  
*Matti Rahko, Nokia, Finland*

### **Waste Valorisation**

- 11.30 Recovery, custom processing & responsible disposal – talk will include Value added waste stream examples  
*Dr Allan Jensen, Chemoxy, UK*

### **Solvent Gas Recovery & Recycling**

- 12.00 Chemical purification companies hold more and more an important role in the value chains of chemical and pharmaceutical industries  
*Paul Kriekemans, DNCP, Belgium*
- 12.30 Solvent Recycling - Sustainability in Practice  
*Adisa Azapagic, Ethos Research, Manchester, UK and  
Bruno Freitag, European Solvents Recycler Group, Belgium*

- 13.00 **Close**