

Critical Elements Day

Solutions to the Challenges of Matching Increasing Demand with Declining Mineral Resources

Thursday, 23rd November 2017

Green Chemistry Centre of Excellence (GCCE), Department of Chemistry, University of York

9.30 – 10.15	Registration / Coffee
10.15 – 10.25	Introduction
10.25 – 10.55	Elemental Sustainability and Importance of Critical Element Recovery <i>Dr Andrew Hunt, Khon Kaen University, Thailand</i>
10.55 – 11.35	Nickel Farming. How Phytocat is Linking Green Chemistry to Agricultural Development <i>Professor Chris Anderson, Massey University, New Zealand</i>
11.35 – 11.50	Coffee
11.50 – 12.10	Bio-Based Mesoporous Materials: Starbons® <i>Jennifer Attard, GCCE, University of York</i>
12.10 – 12.30	Synthesis of Bio-Derived Carbon-Silica Composites for the Selective Recovery of Gold from Acidic Solutions <i>Konstantina Sotiriou, GCCE, University of York</i>
12.30 – 12.45	Recovery of Waste Palladium(0) from Cross-Coupling Reactions: Reactivation as N-Heterocyclic Carbene Palladium(II) Precatalysts <i>Professor Ian Fairlamb, University of York</i>
12.45 – 13.50	Lunch / Posters
13.50 – 14.20	Critical Considerations for Critical Metals <i>Piat Piatkiewicz, Non-Ferrous Alliance</i>
14.20 – 14.50	Mid-Infrared Spectroscopy for Determining Nickel Content of Metal Hyperaccumulator Plants <i>Professor Mark Waterland, Massey University, New Zealand</i>
14.50 – 15.00	Conclusion and Meeting Close