



Extractive Industry Geology Conference, Exeter 2022

Provisional Programme

	Lecture theatre 1	Lecture theatre 2
Day 1		
Thursday 7th July	<p>Opening Plenary Session</p> <p>Welcome by Conference Chair: Simon McCurdy, Evolution Geological</p> <p>Opening Address by Prof. Stephen Hesselbo, Head of Camborne School of Mines.</p> <p>South-West England Tectonics and Resources (Robin Shail)</p> <p><i>The Ansel Dunham Lecture</i> : Critical Mineral Resources for the Energy Transition (Karen Hanghøj, Director, BGS)</p> <p><i>Discussion</i></p>	
	<p>Geotechnics (1) Session (Chair: John Sergeant)</p> <p>Creation of the slot for the suspended conveyor at Bardon Hill Quarry (Jeremy Baldock)</p> <p>The use of pulse Ground Penetrating Radar (pGPR) in identifying potential subsidence events and water hazards in underground mines. (David Griffiths)</p> <p>Mine to Mill – A New Dawn (Thomas Clifford)</p> <p><i>Discussion</i></p>	<p>Regulation Session (Chair: Liv Carroll)</p> <p>The origins of legal title to minerals and the tests applied to determine if something is a “mineral” in the eyes of the law. (Stephen Hadley)</p> <p>An updated understanding of Environmental Permitting for the quarrying sector in the UK (Chris Berryman)</p> <p>Abstraction Licensing Reform in the UK Ball Clay Sector – lessons learned during the 2019 transition and preparation period. (Phillip Burris)</p> <p><i>Discussion</i></p>
Lunch break		
	<p>Resources (1) Session (Chair: Emma Goode)</p> <p>Colour is in the eye of the beholder...or is it? Colour quantification from digital core photo analysis (Robert Goddard)</p> <p>The Geology of Quaternary Silica Sand Resources in Cheshire - a Fresh Analysis (Alan Thompson)</p> <p>Could The Imposition Of Biodiversity Net Gain Regulations Further Constrain Access To Mineral Resources? (Neil Humphreys)</p> <p><i>Discussion</i></p>	<p>Geochemistry in the Minerals Industry (Chair: Clive Mitchell)</p> <p>Unconventional Lithium resources outside of Cornwall? (Alex Finlay)</p> <p>The use of chemostratigraphy for sites affected by subsidence from shallow mine workings (Leigh Sharpe)</p> <p>Can a Chemo-mechanical Model Predict Rock Mechanical Properties of Limestone Open-Hole Chip Samples (Paul Jennings)</p> <p><i>Discussion</i></p>
	<p>Resource Development Session (Chair: Peter Scott)</p> <p>Update on the Hemerdon Tungsten Mine (Ross Facey)</p> <p>The South Crofty Project, Cornwall (Aaron Wilkins / Lauren Beveridge)</p> <p>A Case Study on the Implementation and Benefits of Improved Scheduling in Industrial Minerals Quarrying (Mark Scrutton)</p> <p>De Lank Granite Quarry in Cornwall - A brief History and Future Development (Simon Rees)</p> <p><i>Discussion</i></p> <p>DAY 1 CLOSE</p>	<p>Hydrogeology Session (Chair: Duncan Wardrop)</p> <p>Conover Quarry – Hydrogeological Conceptualisation of a Mineral Deposit (Penny Jenkinson)</p> <p>Investigation of the hydrogeology of a Carboniferous Limestone quarry to inform future water management in a closed aquifer unit (Laurence Brown)</p> <p>Application of 3D geological modelling in extractive industries (Alexandra Miller)</p> <p>Hydrogeology of El Ayro in Tacna – Peru (Juan Rivera)</p> <p><i>Discussion</i></p>
Day 2		
Friday 8th July	<p>Climate Change and Minerals Plenary Session (Chair: Alan Thompson)</p> <p>Weathering the Storm - Exploring the quarrying sector's resilience to the impacts of climate change and its role in supporting climate change adaption in the UK. (Jim Davies)</p> <p>Graphite Resources in Africa: Carbon for Decarbonisation (Clive Mitchell)</p> <p>The potential for UK mineral resources of battery raw materials for zero emission vehicles (Paul Lusty)</p> <p>Driving the UK's Energy Transition (Sally Worbey)</p> <p><i>Discussion</i></p>	
	<p>"Back to Basics" Workshop Session (Chair: Chris Woodhouse)</p> <p>The Nitty Gritty of Sand and Gravel Exploration (led by Duncan Wardrop)</p> <p>Quarry Dewatering and Abstraction Licensing - the New Era (led by James Dodds)</p> <p>The Basics of Quarry Design (led by Gary Buchanon)</p>	<p>Resources (2) Session (Chair: Alexandra Miller)</p> <p>The United Nations framework classification: What it is and why you should care (Tom Bide)</p> <p>Waste deep in opportunities: trends in industrial minerals recycling (Mike O' Driscoll)</p> <p>Problems with use of Natural Stone for Thin Cladding Panels (Alan Cobb)</p> <p><i>Discussion</i></p>
Lunch break		
	<p>EIG CONFERENCES AGM (starts at 1:30pm)</p> <p>Geotechnics (2) Session (Chair: Craig Arditto)</p> <p>Slope Stability Analysis in Fractured Rock – Approaches and Recommendations (Tom Styles)</p> <p>Back-analysis and calibration of input parameters of 3d rockfall software at Qiddiya, Saudi Arabia and a number of UK quarries (Adrian Wilkinson)</p> <p>Life after mineral extraction: 3 case studies of the technical challenges and regulatory requirements (Naomi Lee)</p> <p><i>Discussion</i></p> <p>Conference Summing Up and Close - Simon McCurdy</p>	