



17th EIG Conference

EDGE HILL UNIVERSITY, LANCASHIRE : 5th - 8th SEPTEMBER 2012

5 September : CONFERENCE DAY 1 (Field Trips and Arrival)

12.00 to 17.00	Exhibitors set up
14.00 to 18.30	Reception and key collection (Performing Arts building)
19.00 to 20.30	Icebreaker Reception (Faculty of Health)
20.30	Icebreaker close: Dinner venues available in Ormskirk. See website for list of establishments
21.00	Doors close on Icebreaker venue

6 September : CONFERENCE DAY 2

07.30	Breakfast
07.00 to 08.00	Exhibitors set up
08.00 to 09.00	Reception and key collection (Faculty of Health)
08.15 to 08.45	Presenters briefing and presentation check

LECTURE THEATRE H1

9.00	Welcome and Introduction: Craig Arditto, EIG 2012 Conference Chairman	
9.10	Opening Address: Person: Steve Igoe, Pro Vice-Chancellor (Resources) of Edge Hill University	
9.15	Keynote Presentation Title: The National Planning Policy Framework and its effect on the minerals industry in the UK Author: Ken Hobden	
9.40	The EIG 2012 Keynote 'Ansel Dunham' Lecture Title: A once and future extractive history of Britain Person: Andrew Bloodworth	
10.15	Session 1 : Geotechnics Keynote Presentation	
10.15	Title: The role, purpose and aim of Quarries National Joint Advisory Committee (QNJAC) and its Geotechnical, Face and stockpile Operations Subcommittee Author: Viv Russell	
10.40	Title: A practical approach to rockfall management Author: Simon Collins	

11.05 to 11.30 Tea/coffee - with opportunity to view trade stands and posters

Session 2 : Local Geology

11.30	Title: The Geology and Mineral Resources of North West England Author: Geoff Thomas
11.55	Title: A whistle stop tour of Lancashire's Mineral Wealth – past, present and future. Author: Catherine Lewis
12.20	Title: Williamson Tunnels, Edge Hill, Liverpool: An example of Georgian and early Victorian quarry restoration Author: Gerry Lucas

12.45 to 13.45 Lunch - with opportunity to view trade stands and posters

LECTURE THEATRE H1

Session 3 : Environmental

13.45	Title: Low cost quarry management producing high gain biodiversity: Using GIS to quantify effective quarry management regimes that tick all the sustainability boxes at a price you can afford Author: Gerry Lucas
14.10	Title: The Business of Geodiversity. Author: Tom Clifford
14.35	Title: SETARMS – Sustainable and environmental treatment and re-use of marine sediment Author: Eleanor Van-Veen

LECTURE THEATRE H2

Session 4 : Aggregates- Sand & Gravel

13.45	Title: A new sand and gravel map for the UK Continental Shelf to support sustainable planning Author: Tom Bide
14.10	Title: Defining Sand and Gravel Deposits - the use of Electrical Resistivity Imaging (ERI) and other Geophysical Tools Author: Barry Baldina
14.35	Title: River terrace sand and gravel volume determination using three-dimensional electrical resistivity tomography Author: John Chambers

15.00 to 15.30 Tea/coffee - with opportunity to view trade stands and posters

Session 5 : Hydrogeology (Karstic)

15.30	Title: Quarrying and Karstic Hydrogeology; The Challenges of Conceptualisation, Assessment and Mitigation Author: Alan Edwards
15.55	Title: Are your groundwater monitoring boreholes deep enough – a case study at Lafarge Cement's Caudon Limestone Quarry Author: Stephen Barnes
16.20	Title: Deepening of Torr Quarry – Assessing the Hydrogeological Impacts Author: Stephen Hobbs

Session 6 : Industrial Minerals

15.30	Title: Industrial waste material: a rare earth element resource? Author: Alex Finlay
15.55	Title: Stone Mining on the Isle of Portland Author: Mark Godden
16.20	Title: Sustainability and economic drivers in the UK Brick Manufacturing Sector; Past Present and Future Author: Andrew Smith

LECTURE THEATRE H1

16.35	Title: Impact of changes to water related legislation upon the Extractive Industry Author: Duncan Wardrop
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17.00 EIG Annual General Meeting - all invited

18.30 to 19.30 Pre-Dinner Drinks Reception (Sage Hall Quadrangle) - Music from 18.45

19.30 to 01.00 Conference Dinner (Sage Hall - followed by bar until late in Hale Hall)

7 September : CONFERENCE DAY 3

07.30 to 09.00 Breakfast

08.00 to 09.00 Registration

LECTURE THEATRE H1

Session 7 : Policy and Places

9.00	Title: Geology in high places: how do geologists and government interact Author: Fian McEvoy
9.30	Title: EO-MINERS: monitoring the environmental and societal impact of the extractive industry using Earth Observation Author: Stephen Grebb
9.55	Title: Managing Landscape Change with respect to Future Mineral Extraction in North Yorkshire Author: Alan Thompson

LECTURE THEATRE H2

Session 8 : New Mineral Developments

9.00	Title: UK Shale Gas Exploration and Monitoring Solutions Author: Hugh Clarke
9.30	Title: Potash – recent exploration developments in North Yorkshire Author: Frederick Smith
9.55	Title: Metal mining in South-west England: past production, current activity and future prospects Author: Richard Scrivener

10.20 to 11.00 Tea/coffee - with opportunity to view trade stands and posters

Session 9 : Quarry resources & aggregate quality

11.00	Title: Structural mapping and modelling of Dolyhir Quarry, Powys as a basis for a refined reserve assessment and quarry development strategy Author: Ian Brewer
11.25	Title: Petrographic Characterisation of Potentially Deleterious Sulphide-Bearing Aggregates Author: Alan Bromley
11.50	Title: Aggregates prone to causing pyrite-induced heave: How they can be avoided Author: Michael Maher
12.15	Title: Voids within quarries - how to detect, survey and manage them. A case study Author: Craig Arditto

Session 10 : Environmental

11.00	Title: What lurks beneath? - The application of Part 2A of the Environmental Protection Act 1990 to legacy sites Author: Matt Uttley
11.25	Title: Enhancing washing plant efficiency through the introduction of effective water and sludge management technologies Author: Stefan Hunger
11.50	Title: Recent dust sampling developments Author: Hugh Datson
12.15	Title: An assessment of the potential respiratory health hazard of quarrying volcanic deposits Author: Sabina Michnowicz

12.40 to 13.45 Lunch - with opportunity to view trade stands and posters

Session 11 : Geotechnics

13.45	Title: Designing for rockfall in quarries Author: Tom Clifford
14.10	Title: Effects of mine workings on brick pit slopes Author: Alan Cobb
14.35	Title: Topley Pike Quarry: a geotechnical case study Author: Ian Thomas
15.00	Title: Recent advances in remote geological and geotechnical surveying Author: Adrian Wilkinson

Session 12 : Hydrogeology

13.45	Title: Application of hydro ecological relationships for assessing quarry impacts Author: David Bradley
14.10	Title: Sustainable Water Management – Implications for UK Mineral Extraction (Title TBC) Author: Paul A. Ellis, A. Tait, and M. Streetly
14.35	Title: Interpretation of groundwater data in the vicinity of a long established sandstone Author: Rick Brassington
15.00	Title: Assessing the hydraulic performance of Tailings Management Facilities Author: Hollie Garrick

LECTURE THEATRE H1

15.30	Title: Summing Up Author: Craig Arditto, EIG 2012 Chairman
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15.45 to 17.00 Close Tea & Coffee

17.00 Trade stands cleared and venue closed.

8 September : CONFERENCE DAY 4 (Field Trips)

07.30 to 09.00 Breakfast

09.00 See your field trip itinerary for timings