

UKUH Research Seminar Series 2020

Seismicity - Monitoring and Modelling		
Session Chair: Professor Mike Kendall	Tom Kettley University of Oxford Dr James Verdon Bristol University	<i>Preston New Road seismicity: PNR-2 interpretations and analysis</i>
Petrophysics		
Session Chair: Professor Mike Kendall	Kieran Blacker University of Leicester Professor Ernest Rutter University of Manchester	<i>ORMPIMS - Organic Rich Mudstone Petrophysical Integrated Models: a workflow for the formation evaluation of organic rich mudstones and shales</i> <i>Experimental investigations of petrophysical properties of shales – Acoustic Velocity and permeability correlations.</i>
Social Science Theme 2 Local Cases		
Session Chair Professor Paul Stretesky	Dr Stacia Ryder University of Exeter Dr Anna Szolucha Northumbria University	<i>Meaningful participation or ‘box-ticking’ exercise? Experiences & perceptions of community engagement at proposed shale gas sites in Woodsetts & Great Altcar.</i> <i>Local experiences of shale gas development</i>
Rock Mechanics		
Session Chair Dr Mohamed Rouainia	Mr Tom Charlton Newcastle University Dr Robin Thomas Imperial College London	<i>Multiscale geomechanical characterisation of shale</i> <i>Interaction between hydraulic fractures and pre-existing fractures and faults”</i>
Air Quality and Decarbonisation		
Session Chair Professor Robert Ward	Dr Grant Allen University of Manchester Dr Peter Slorach University of Manchester	<i>Characterising air quality and greenhouse gas impacts of the shale gas industry and their implications for the UK</i> <i>Any role for natural gas? Assessing the environmental sustainability of decarbonising UK heating by 2050”.</i>

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Seismicity – Surface Impacts		
Session Chair: Dr Brian Baptie	Dr Joanna Holmgren Bristol University	<i>Challenges in estimating microseismic source parameters from high-frequency borehole data"</i>
	Dr Gemma Cremen (formerly C4) University College London	<i>Assessing Nuisance Risk from Seismicity Induced by UK Shale Gas Development"</i>
Resources		
Session Chair: Professor Al Fraser	Professor Colin Snape University of Nottingham	<i>How best to assess shale gas resources – high pressure water pyrolysis?</i>
	Mr Andy Kingdon British Geological Survey	<i>Implications of the in-situ stress regime on natural and induced fracturing in the UK.</i>
Social Science Theme 3 Lived Experiences		
Session Chair: Professor Michael Bradshaw	Dr Jennifer Dickie & Dr Adam Varley University of Stirling	<i>Who the frack cares? Using Twitter network analysis to explore the UK shale gas debate</i>
	Dr Laurence Williams University of Sussex	<i>Effective participation? Assessing the design, practice and experience of formal public participation in shale gas development decision-making</i>
Social Science Theme 1 Surveys		
Session Chair: Professor Patrick Devine-Wright	Dr Darrick Evensen University of Edinburgh	<i>Evolution of UK public perceptions of shale gas extraction: The effects of time and information</i>
	Dr Abigail Martin University of Sussex	<i>Understanding how UK publics view shale gas development and energy governance</i>
Geochemistry and Hydrogeology		
Session Chair: Professor Rob Ward	Marco Bianchi British Geological Survey	<i>Hydrogeological characterisation of the deep Sherwood Sandstone aquifer: implications for contamination risk assessment</i>