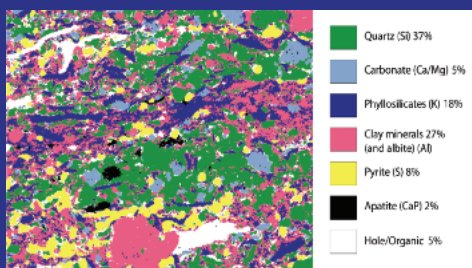




Geomechanical and Petrophysical Properties of Mudrocks

16-17 November 2015

The Geological Society, Burlington House, London



Confirmed Keynote Speakers include:

Julia Gale

University of Texas, USA

Alexandra Amann-Hildenbrand

Aachen, Germany

Peter Lee

University of Manchester, UK

Jeff Wilson

James Hutton Institute, UK

Andrew Aplin

Durham University, UK

Convenors:

Julian Mecklenburgh

Manchester University, UK

Ernie Rutter

Manchester University, UK

Zoe Shipton

Strathclyde University, UK

Kevin Taylor

Manchester University, UK

LAST CHANCE TO REGISTER

A surge of interest in the geomechanics and petrophysical properties of mudrocks (shales) has taken place in recent years following upon the development of a shale gas industry in the United States and with the prospect of similar developments in the UK and elsewhere. Compared to most other rock types, geomechanical and microstructural studies on mudstones are more demanding owing to their fine grain size, complex mineralogy and difficulties in handling. The need to develop an industry that is efficient and satisfies public concerns demands that the fullest possible understanding of the mechanical and petrophysical behaviour of these rocks be obtained and applied to engineering and environmental questions.

The scope of this meeting encompasses studies of strength and frictional behaviour, time-dependent creep, hydraulic fracture development, permeability, electrical conductivity and acoustic wave propagation. These can be inferred from laboratory measurements, new imaging techniques such as FIB-SEM, X-ray tomography and acoustic emission, and field/borehole data. All of these properties are extremely sensitive to mineralogy, microstructure, diagenetic history and rock anisotropy. Contributions are welcomed from academia and from industry that help develop understanding of the behaviour of these rocks.



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#yearofmud

Further information

For further information about the conference please contact:

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