



The Geology of Unconventional Gas Plays

5-6 October 2010

PROGRAMME

Tuesday 5th October	
8.30	Registration and Coffee
9.00	Welcome
9.05	Keynote Speaker: Richard Chuchla Unconventional Gas Resources: A Perspective and Outlook
9.35	Keynote Speaker: Ken Chew European Unconventional Gas Plays
10.05	Keynote Speaker: Daniel Jarvie Worldwide Shale Resource Plays and Prospects
10.35	Coffee and Poster Session
10.55	Keynote Speaker: Brian Horsfield Shale Gas in Europe: Some Pragmatic Perspectives
11.25	Fivos Spathopoulos Tectonic and Palaeoclimatic Controls on Black Shale Distribution and Richness in Europe
11.50	Ursula Hammes Paleogeomorphology and Sea-Level-Fluctuation Controls on Development of Shale-Gas Deposits: An Example from the Upper Jurassic Haynesville and Bossier Shales, East Texas, USA
12.15	Lindsay Elliott Beach Energy Cooper Basin Shale Gas Review
12.40	Lunch and Poster Session
13.30	Keynote Speaker: Terry Engelder Challenges Presented to Gas Producers by the Tectonic Fabric Carried Within the Marcellus Gas Shale of the Appalachian Plateau
14.00	Julia Gale Natural Fractures in Shales: Timing, Sealing, Mechanisms of Formation, and Relevance for Shale-Gas Reservoirs
14.25	Guillaume Backe Geomechanical Characterization of Unconventional Play in the Cooper Basin, Australia: An Integrated Approach Using Well Bore Analysis, Seismic Mapping and Fracture Modelling
14.50	Richard Herbert Geological Controls on Well Productivity and Reservoir Performance in Select North American Shale Gas Plays



15.15	Coffee and Poster Session
15.35	Ursula Hammes Review and Preliminary Classification of Matrix Pores in Mudrocks
16.00	Sarah Davies Sedimentological Controls on Petrophysical Responses in Mudstones: Implications for Shale Gas
16.25	Mike Lovell Petrophysics in Unconventional Gas Reservoirs
16.50	Mark Cottrell A Combined Approach for Optimising Production from Low Permeability Unconventional Gas Plays
17.15	Michael Lewis The Application of Specialized "Unconventional" Techniques - Back to the Rocks
17.45	Wine Reception and Posters



Wednesday 6th October

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8.30	Registration and Coffee
9.00	Welcome
9.05	Keynote Speaker: Stephen P. Cumella Important Characteristics of Rocky Mountain Tight Gas Accumulations
9.35	Peter Eichhubl Timing and Stratigraphic Distribution of Natural Fractures in Tight Gas Reservoirs in the Piceance Creek Field, Colorado, USA, Based on Fluid Inclusion and Fracture Scaling Analyses
10.00	Steve Laubach Contrasts in Fracture Array Intensity, Connectivity and Porosity Associated with Faults in Tight Fluvial and Marine Sandstones: Evidence from Outcrop Analogs and Core
10.25	Steve Davies Numerical Simulation of Controls on the Distribution of Residual Gas in Tight Gas Sandstones
10.50	Coffee and Poster Session
11.10	Peter Eichhubl Characterization and Modeling of Pore-Scale Flow Pathways in Tight Gas Sandstone, Piceance Basin, Colorado
11.35	Kaush Rakhit Anatomy of an Emerging Resource Play: The Triassic Montney Formation in Western Canada
12.00	Balazs Badics Mako Trough Basin-Centered Gas Accumulation: Myth or Reality? Investigated by a 3D Basin Modelling Study
12.25	David Hume An integrated Method to Identify Pervasive Biogenic Gas Trapped in Shallow, Low Permeability Sandstones
12.50	Lunch and Poster Session
13.40	Keynote Speaker: Andrew Scott Historical Perspective and Future Opportunities for Worldwide Coalbed Methane Development
14.10	Jeremy Lockett Rediscovering the Geology of the South Wales Coalfield for CBM Exploration
14.35	Mike Martin Sedimentology and Stratigraphy of an Intra-Cratonic Basin CBM Play: Walloon Coal Measures of the Surat Basin, Eastern Australia
15.00	Coffee and Poster Session
15.20	Keynote Speaker: Graham Westbrook Geophysical Exploration for Gas Hydrate: Detection and Quantification
15.50	Keynote Speaker: Timothy Collett Petroleum Systems Based Gas Hydrate Prospecting in the Gulf of Mexico



16.20	Michael Max Hydrate Petroleum System Approach to Hydrate Natural Gas Exploration and Extraction
16.45	Antonio Fernando Menezes Freire Tectono-Stratigraphic Control on the Umitaka Spur Gas Hydrates, Joetsu Basin, Eastern Margin of Japan Sea
17.15	Conference Ends

POSTER PROGRAMME

Joao Afonso

Electrical Resistivity Measurements in Coal: Assessment of Coal-Bed Methane Content, Reserves and Coal Permeability

Lucy Bishop

The Geology Behind the Success; CSG in the Bowen-Surat Basin, Australia

Antonio Fernando Menezes Freire

Influence of Gas Hydrate Dissociation and Methane Seeps on the Geochemistry of Seafloor Sediments of Joetsu Basin, Eastern Margin of Japan Sea

Jennifer Graham

Temporal and Spatial Variability in Carboniferous Mudstones: Implications for Shale Gas Source Rock Development

Sven Koenitzer

Primary Biological Controls on UK Lower Namurian Shale Gas Prospectivity: Understanding a Major Potential UK Unconventional Gas Resource

Sam Matthews

Petroacoustic Modelling of Heterogeneous Sandstone Reservoirs