



Modelling Sedimentary Basins and their Petroleum Systems

3-4 June 2010

PROGRAMME

Thursday 3 June	
08.30	Registration and Coffee
9.00	Welcome
9.05	Keynote: Nicky White Crustal Modelling Challenges
9.40	Muriel Thibaut 3D Advanced Basin Modelling Workflow
10.05	Karsten Kroeger The Role of Crust and Mantle in the Reconstruction of Heat-Flow in Sedimentary Basins, an Example from the Taranaki Basin, New Zealand
10.30	Coffee and Poster Session
10.50	Jorham Contreras Seismic Stratigraphy and Integrated Reverse-Basin and Forward Stratigraphic Modelling of the Southern Brazilian Margin (Campos, Santos and Pelotas Basins)
11.15	Stephan Duppenbecker Petroleum Systems Dynamics of the South Caspian Basin
11.40	Session Summary Discussion
11.50	Poster Summaries – Session One
12.05	Lunch and Poster Session
13.20	Keynote: Joe Cartwright Geophysical evidence for highly focused fluid flow in sedimentary basins
13.55	James Maynard Forward Modelling the Miocene Stratigraphy of an Unconventional Basin Centred Hydrocarbon Play, Pannonian Basin, Hungary
14.20	Pete Burgess Application of Stratigraphic Forward Modelling to Exploration Problems
14.40	Coffee and Poster Session



15.05	Sebastien Rohais Coupling 3D Structural Restoration with Stratigraphic Modelling in Rifted Margins, Suez Rift, Egypt
15.30	Anne Domzig 3D Structural Restoration And Forward Turbidite Modelling To Predict Sand Deposition Patterns On Restored Palaeo-Bathymetric Surface: A Case Study In The North Sea
15.55	Fiona Whitaker 3D Forward Modelling of Carbonate Platform Sedimentology and Diagenesis
16.20	Session Summary Discussion
16.30	Reception



Friday 4 June

08.30	Registration and Coffee
9.00	Keynote: Andy Bell Charge and Flow Modelling: It's Not Only About Geochemistry
9.35	Robert Ondrak Reconstructing the HC-Filling History of a Haltenbanken Oil Field, Mid-Norway on Basin and Reservoir Scales
10.00	Anna Scotti Experimental Validation of Multicomponent Hydrocarbon Differential Expulsion from Source Rock
10.25	Coffee and Poster Session
10.45	Ulf Boeker Evaluation of Gas Migration History Through Integration of Multidisciplinary Laboratory and Field Based Measurements
11.10	Chris Clayton Incorporation of Biogenic Gas Generation into Petroleum System Models
11.35	Session Summary Discussion
12.00	Poster Summaries – Session Two
12.15	Lunch and Poster Session
13.30	Keynote: M. C. Cacas Hydrocarbon Mass Balance at Basin Scale with Integrated Generation and Migration Modelling
14.05	Jonathan McQuilken A Workflow Solving Migration Problems with Combined Structural and Petroleum Systems Modelling: Case Studies from Offshore Brazil and Onshore Trinidad
14.30	Michael Cheng Calibration and Prediction of Petroleum Charge Scenarios – An Example from the Norwegian Barents Sea
14.55	Coffee and Poster Session
15.15	Matilde Dalla Rosa Petroleum System Calibration Under Uncertainty Constraints
15.40	Douglas Moore Exploration-Phase 2D Basin Modelling to Highlight Key Risks, Focus Technical Tasks and Potentially Reduce Time to Drilling: Devil's Hole Basin, UK North Sea
16.05	Robert Ondrak Hydrocarbon Leakage Indicators on The Angola Oceanic Basin, Deep-Offshore West African Margin: Seismic Interpretation and Numerical Modelling
16.30	Session Summary Discussion
16.45	Conference Ends



POSTER PROGRAMME

Session One

Michael Drews

Enhancing Seal Quality Prediction by Modelling Spatial Permeability Distributions of Meter-Scale Fine-Grained Sediments

Jingsheng Ma

Upscaling Compaction Relationships for Basin Modelling

Muriel Thibaut

Full High Resolution Basin Model and Local Grid Refinement – Pros and Cons

Session Two

Jean-Paul Callot

Basin Modelling in Foothills: A Coupled Thrustpack-Ceres Study of the Kanau-Kutubu-Mubi-Wage Cross Section (Papua New Guinea Fold-and-Thrust Belt)

Jorham Contreras

Seismic Stratigraphy and Numerical Basin Modelling of the Southern Brazilian Margin (Campos, Santos and Pelotas Basins)

William Prendergast

Plate-Scale 3D Mapping in Exploration Workflows