

Badleys Badley Geoscience News

Issue 50 , February 2012

AAPG ACE 2012

The 2012 AAPG Annual Convention & Exhibition, 22-25 April, Long Beach



We will be exhibiting in booth **1303** with our Upstream Technology Alliance partner Midland Valley. This year, Brett Freeman, Michiel van Noorden and Graham Yielding will be available for hands-on demonstrations of TT6 with the latest new features such as the corner-point gridding, or questions on any structural geological issue. Nick Kusznr and Andy Alvey will be present for discussions of the OCTek project, and any other basin modelling issues.

We will also be presenting at the conference:

- *Monday morning oral session: Theme 2, 11:30*
N. J. Kusznr, B. W. Horn, J. Granath, A. Alvey: East African Margin Ocean-Continent Transition Structure and Location: Offshore and Onshore.
- *Tuesday afternoon oral session: Theme 2, 15:45*
A. Alvey, N. J. Kusznr, A. M. Roberts: Using Satellite Gravity Inversion to Map Rifted Margin Crustal Thickness: A Leading-Edge Technology for Emerging Frontiers.
- *Wednesday morning poster session: Theme 10*
N. J. Kusznr, A. Alvey: Laptev and East Siberian Arctic Crustal Thickness and Oceanic Lithosphere Distribution from Gravity Inversion.

Upcoming features in TrapTester 6.1

Coming soon...



This year we will release our latest upgrade, TT6.1, which will include new features and enhancements to the TrapTester system. TT6.1 will be released to all maintained clients. One of the main enhancements is the upgrade to the EarthGrid system,

IN THIS ISSUE

- **AAPG ACE 2012**
- **Upcoming features in TT6.1**
- **Badleys training courses**
- **OCTek update**

BADLEYS CALENDAR

AAPG ACE 2012

22 - 25 April
Long Beach, USA

Badleys will have a strong presence at the AAPG to be held in Long Beach, USA. We will be exhibiting with our Upstream Alliance partner Midland Valley. More details in this newsletter. Visit the AAPG [website](#) for more info.

Fault-seal & TrapTester training courses 2012

25 - 29 June
Badleys HQ
Hundleby, UK

We will be running our annual Fault-Seal Analysis and Introduction to TrapTester in-house training courses in June. See this newsletter and our [website](#) for more details.

AAPG ICE 2012

16 - 19 September
Singapore

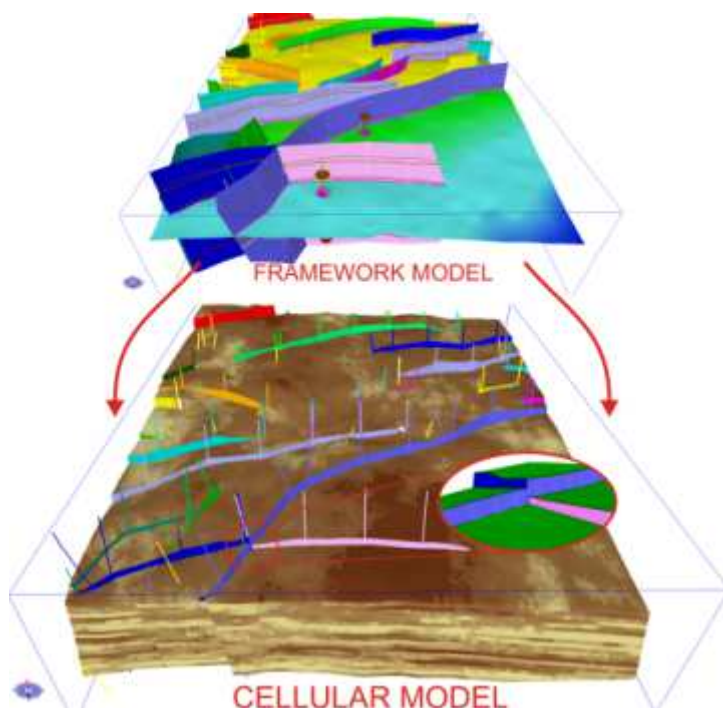
Badleys will be exhibiting and presenting at the 2012 International AAPG Conference. More details will follow in future newsletters. Visit the AAPG ICE [website](#) for more info.

which is described in more detail below. In addition, our next release will include:

- OpenSpirit Link: A totally revamped OpenSpirit link permitting cross-platform data transfer into TT.
- Volume Editor - Centralised Data Manager: All Modules now use a single Data-Manager window for data loading.
- Data-Offset Tool: Extended to handle more fault & horizon object types and included as a standard feature in the TT-Utilities menu.
- Well Editor: New well curve processing tool to allow computation of discretised attributes such as net-to-gross.
- Plus - many minor enhancements, upgrades and improvements.

Corner-Point Gridding & Property Modelling

The EarthGrid Module introduces a system to generate corner-point grids from a TrapTester structural model. Given a completed structural model, the process involves minimal user input; choose faults, horizons, ...done! This new functionality allows users to preserve their structurally valid, interlocked fault-horizon framework model through to a static geocellular model which is ready for flow simulation. A key aspect of the functionality is the use of fault-fault branchlines to condition the grid geometries, allowing the creation of corner-point grids that honour the existing TrapTester structural model. Using petrophysical well logs, the geocellular models can be populated with reservoir attributes in order to produce 3D petrophysical models. The petrophysical models can be produced using deterministic methodologies (including Kriging and Multi-level B-Splines) and stochastic simulators (including sequential Gaussian simulation).



3rd Central & North Atlantic Conjugate Margins Conference 2012

22 - 24 August
Trinity College
Dublin, Ireland

Prof. Dr. Nick Kusznir will be presenting at this conference, which is designed to attract and bring together representatives of industry, academia, and others interested in the relationships between margin evolution and petroleum systems. More info can be found on the conference [website](#).

Deep-water continental margins conference

1 - 2 October
Burlington House
London, UK

Alan Roberts will be presenting at this conference, which is bringing together geologists, geophysicists, mathematical and physical modellers seeking to understand the evolution of continental margins and their importance in economic terms. More info can be found on the conference [website](#).

3rd Fault & Top Seal Conference 2012

1 - 3 October
Montpellier, France

The 3rd International Conference on Fault and Top Seals will inform participants of the state of the art in fault and top seal analysis for both research and industry applications. More details on this conference will follow in future newsletters. More info can be found on the conference [website](#). Badleys is sponsoring the meeting and will have a strong presence.

Industrial Structural Geology: Principles, Techniques and Integration

28 - 30 November 2012
Burlington House
London, UK

Badleys will have a strong presence at this three-day conference, which aims to explore the rich legacy of structural geology which forms the

Conversion of a structurally valid framework model into a corner point grid is now possible, honouring the branch-line geometry. Also, the geocellular models can be populated with reservoir attributes (such as Vshale).

foundation for current best practice in industry. More info can be found on the conference [website](#).

Badleys training classes

25-29 June 2012



We would like to draw your attention to our in-house training courses taking place 25-29th June. If you are new to Fault-Seal Analysis and TrapTester, or simply want to refresh your skills, there are still places available to join us here in Lincolnshire.

Fault-Seal Analysis



The two-day Fault-Seal Analysis course will take place on 25-26th June, and provides participants a thorough overview of methods and structural techniques for evaluating sealing faults. The emphasis is placed on the application of an objective methodology to the analysis of sub-surface data. The course is essential for geologists, geophysicists and reservoir engineers.

TrapTester 6 Training Course

The three-day TrapTester training course will take place on 27-28-29th June. It introduces participants to structural framework modelling, fault-seal analysis and geological risk evaluation using our TrapTester 6 software. The course provides an introduction to the TrapTester software and is designed for geoscientists and geologists who are interested in fault trap analysis.

If you wish to register for one or both course(s), please [contact us](#) or phone us at +44 (0) 1790 753472. Visit our [website](#) for more information.

OCTek Atlantic, Asia-Pacific and Indian Ocean complete. OCTek Arctic in progress



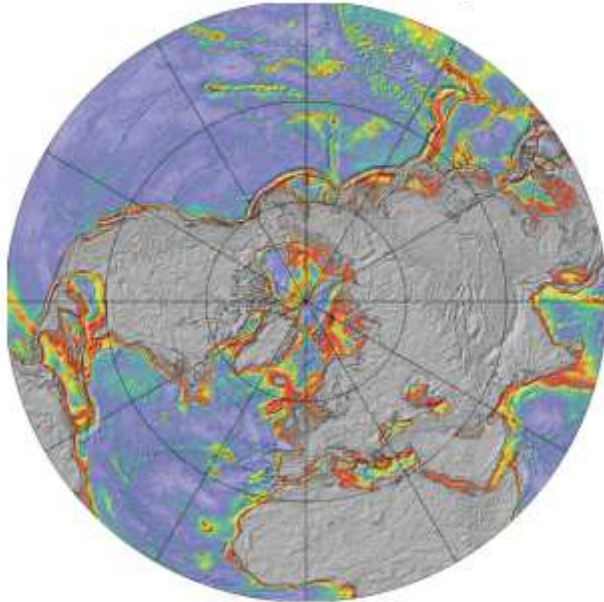
The OCTek project is a collaboration between Badley Geoscience and Prof. Nick Kusznir of Liverpool University. The project aims to map the Ocean-Continent-Transition at global rifted margins, using a proprietary gravity inversion technology.

Three individual studies are now available, Atlantic, Asia-Pacific and Indian Ocean. The reports for these studies provide maps

and grids of crustal thickness, moho depth and stretching factors for all basins and margins in the study areas.

Our next study, currently in progress, is OCTek Arctic-North Atlantic, which will cover the full Arctic area and extend south to meet the Atlantic study, thus covering the Greenland and Norwegian margins.

OCTek crustal thickness for the northern hemisphere



In addition to the individual OCTek studies we have also completed a first-pass map of global crustal thickness for all offshore areas of the planet. We will be exhibiting this at future conferences and exhibitions and we are happy to talk about applying the OCTek methodology in any offshore areas which might be of interest to you.

If you would like to know more about any of the OCTek reports or the OCTek project in general please contact Alan Roberts by **email** or by phone (+44 1790 753 472).

Further background information can be found on our website and in the publications and documents available from this **page**.

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