



Issue 29, June 2008

## Announcement from Badleys and Midland Valley on behalf of the Upstream Technology Alliance

Following the recent [acquisition](#) of Upstream Technology Alliance member IES - Integrated Exploration Systems Ltd by Schlumberger Ltd., the founding members of the Upstream Technology Alliance, Badley Geoscience Ltd. and Midland Valley Exploration, would like to emphasise that Badleys and Midland Valley have not been acquired by Schlumberger Ltd. and continue to operate as independent companies.

With IES now part of the Schlumberger organisation, joint marketing efforts with IES within the framework of the Upstream Technology Alliance will come to an end.

However, Badleys and Midland Valley look forward to continuing their work with IES on a technical level to evolve further the combined workflows and model exchange as well as continued collaboration on joint products.

Badleys and Midland Valley will be maintaining and strengthening a Structural Geology Alliance and are expanding areas of mutual benefit and interest in our Alliance. Highlights for this year include our new initiatives with academic partners - in fundamental research in structure and tectonics, and in teaching the next generation of professionals.

## New Technical Associate

Pete Boulton, Agent Australian Region

After many years of technical collaboration Badleys is pleased to announce that Pete Boulton has become a new technical associate and will be the official representative of Badleys in Australia.

Pete Boulton graduated with honours from Leeds University in 1976 and gained his PhD from the National Centre for Petroleum Geology and Geophysics, South Australia in 1996. For his undergraduate studies, he specialised in structural geology and for his PhD he specialised in seals. In 1986 he moved to Australia after working onshore UK with BP for 3 years and became a lecturer at the University of South Australia during the lean years.

Here he taught structural field geology for 10 years while doing his PhD. Pete then spent five years with Origin Energy and it was while working on the southern margin of Australia in 1997 he was introduced to Badleys and their products. He continued this relationship for 7 years in his role as Chief Petroleum Geoscientist with Primary Industries and Resources South Australia (PIRSA), specialising in using structural geology and geomechanical concepts for validating and providing better seismic interpretation as well as creating new play ideas. Pete is still an adjunct staff member of the Australian School of Petroleum, where he supervises postgraduates. Recently he has started his own company (GINKGO ENPGNG) and now holds the agency for Badley Geoscience Ltd in the Australian region.



Pete with his wife Maggi (GINKGO ENPGNG Business Manager)

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# Update on TrapTester 6 Release

## New additions to the TrapTester Licence Packages

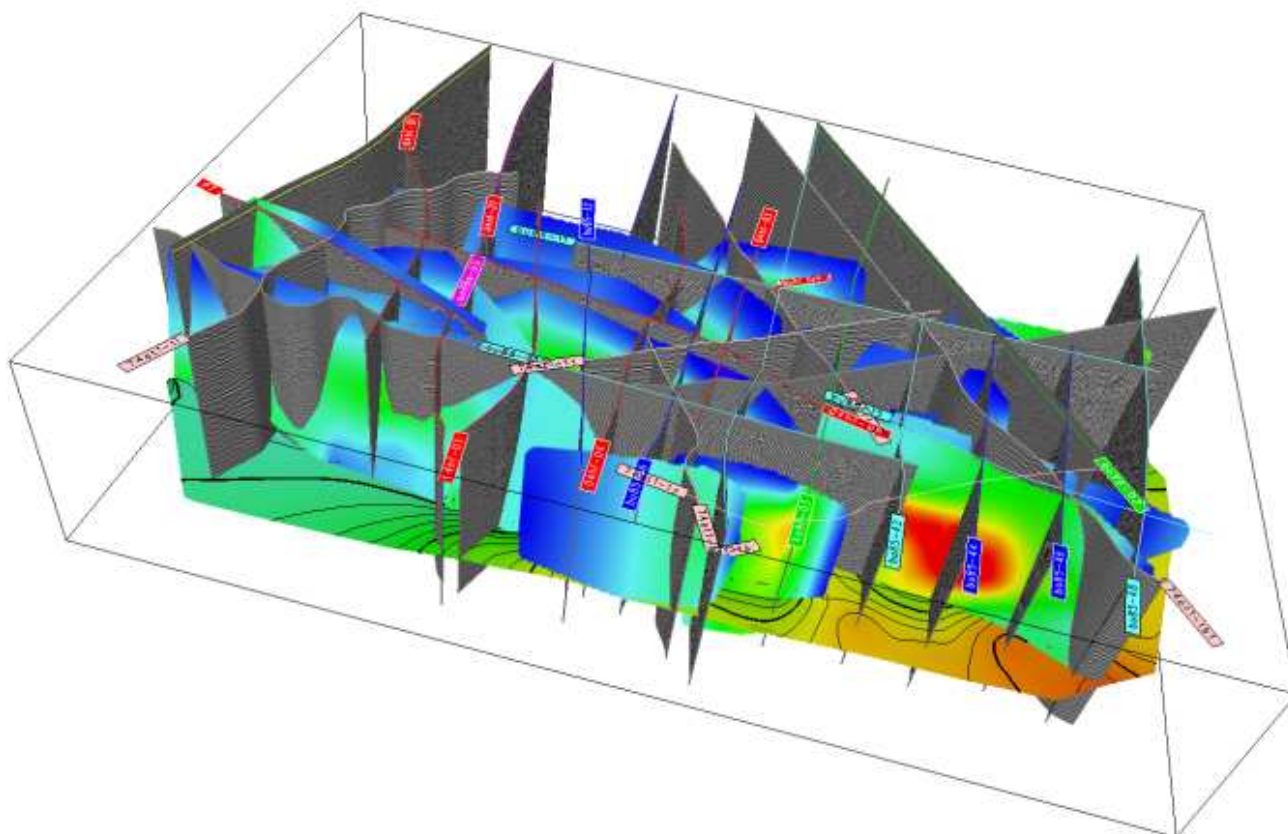
Awaiting the upcoming release of **TrapTester 6** later this year, we present an overview of some of the major new features that will extend the capabilities of the system and enhance existing workflows:

### TT-QC

TT-QC comprises a combination of modules, designed for structural quality control, validation and modelling of 2D and 3D seismic interpretation.

### TT-TransGen

A major new feature in the upcoming **TrapTester 6** release will be the integration of the advanced structural geological, fault property and two-phase flow modelling currently available in TransGen3. The results of single and batch run models are made available to reservoir simulators in the form of transmissibility modifiers.



*TT-QC uses a variety of structural techniques to help you validate your interpretation.*

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### TrapAnalyst

TrapAnalyst is our new faulted trap delineation and analysis tool, and is a great addition to the fault-seal analysis workflow. TrapAnalyst provides a method of abstracting spatial, geometric and attribute information from a suite of faults, typically defining reservoir compartments, into a report in tabular form for the purpose of assessing structural traps. Users can automatically find the critical leak-points (and potential hydrocarbon fill) for complex compartments.

### Horizon and fault contouring

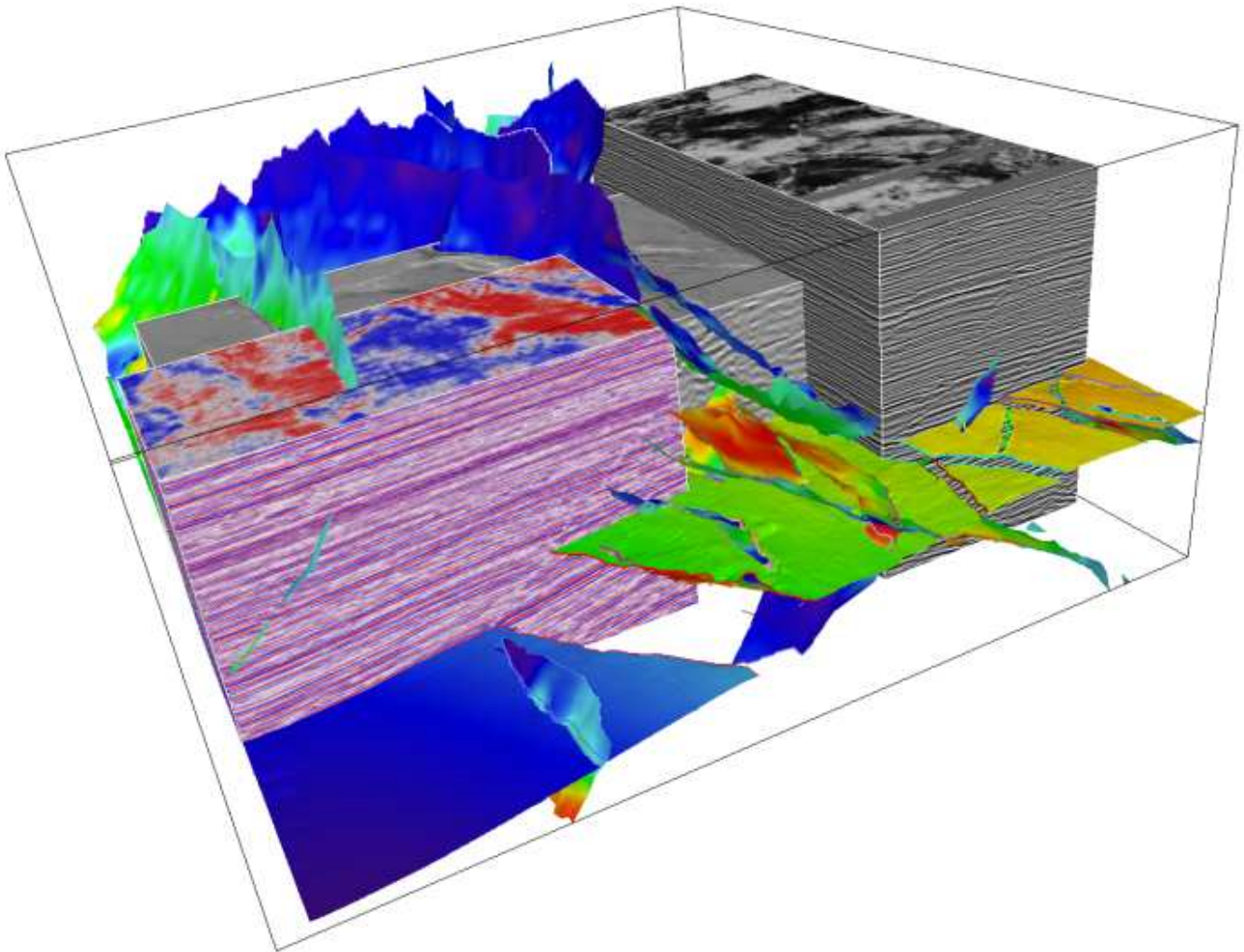
Since its release as beta-version within TrapTester 5.4, users have had the option of creating horizon and/or fault contour maps. **TrapTester 6** introduces an upgraded version of contouring horizon and/or fault surfaces, now with a fully integrated workflow.

### CubeXPlorer

CubeXPlorer is a completely new infrastructure within TrapTester, enabling the loading, management, visualisation and interpretation of large volumes of seismic data. Features include:

- Multiple volumes, multiple probes;
- True volume rendering and the use of transparency for optimal visualisation of internal seismic structures;
- Shared memory system for optimal volume management and persistence across Volume Editor sessions;
- Arbitrary sizes of volumes and probes;
- Interactive moving and resizing of probes.

For more information on the new features please [contact us](#). We are always happy to discuss any aspects of the TrapTester product suite.



*CubeXPlorer.*

## Out and About

Alan Roberts will be presenting at the upcoming "Rift Renaissance" meeting of the Geological Society of London to be held in the Museum of Natural Sciences IMAX Theater, Houston, USA, on 19-21 August 2008. Alan will deliver a talk titled:

"Mapping crustal thickness and the ocean-continent-transition in the Santos and Campos Basins, Brazilian South Atlantic" with co-authors **Nick Kuszniir** (Liverpool University), **Mark Thompson** and **Kevin Boyd** (BP).

Michiel van Noorden and Pete Bretan have been giving TrapTester training courses in Houston in April and May, while Dave Quinn provided training in Pau in May. Our in-house Fault-Seal Analysis and TrapTester courses at our offices in Lincolnshire were well attended.

Along with Midland Valley Exploration and Integrated Exploration Systems (IES), Badleys attended the AAPG Conference & Exhibition, held this year in San Antonio on 20-23 April. A technical update and demos of the TrapTester 5.4 suite were presented to delegates.

Also, at the AAPG meeting, Brett Freeman delivered a presentation about reducing the structural uncertainty in poor 2D seismic data. If you would like more information about Brett's talk, please contact us.



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