



**An AAPG GTW ON PORE PRESSURE PREDICTION – SPECIAL FOCUS: ASIA PACIFIC**  
Singapore, 28-29 October 2010

<b>PRELIMINARY PROGRAM</b>	
<b>Overview</b>	The goal of this workshop is to gain knowledge to improve understanding of reservoirs where pore pressure and the mechanical properties of the rocks play important roles.
<b>WEDNESDAY 27 OCTOBER 2010</b>	
4.00 – 6.30 pm	<b>ADVANCE REGISTRATION</b>
6.30 – 8.30 pm	<b>ICEBREAKER RECEPTION</b>
<b>THURSDAY 28 OCTOBER 2010</b>	
8:00 – 9.00 am	<b>OPENING SESSION</b>
8.00 am	<b>Welcome, Introduction and Opening Remarks</b>
8.15 am	<b>Plenary Presentation :</b> <i>Richard Swarbrick, GeoPressure Technology</i> : Pressure Frontiers: Prediction in Challenging Areas
9.00 – 10.15 am	<b>SESSION 1: Overpressure Origins</b>
Chairs	David Darby, GNS Science Peter Van Ruth, Woodside
9.00 am	<i>Philip Heppard, ConocoPhillips</i> : The Normal Compaction of Clay Rocks is Fundamental for Understanding Overpressure
9.25 am	<i>Richard Lahann, GeoPressure Technology</i> : Kaolinite Diagenesis: A Previously Unrecognized Cause of Fluid Overpressure?
9.50 am	<i>Mark Tingay, University of Adelaide</i> : Origin of Overpressure and Pore Pressure Prediction in the Baram Province, Brunei
10:15 – 10.45 am	<b>Coffee Break and Posters</b>

10.45 am – 12.25 pm	<b>SESSION 2: Understanding Overpressure</b>
Chairs	Nader Dutta, Schlumberger Sanjeev Bordoloi, Baker Hughes (GMI)
10.45 am	<i>Agus Ramdhan, Durham University</i> : Overpressure and compaction in the Peciko Field, Lower Kutai Basin
11.10 am	<i>Neil Goulty, Durham University</i> : Overpressure in the Lower Kutai Basin - a Radical Reappraisal
11.35 am	<i>Rex Butler, Senergy Australia</i> : A Regional Pore Pressure Model for the Browse Basin
12.00 pm	Speakers' Questions and Open Discussion
12.25 - 1:30 pm	<b>Buffet Lunch</b>
1.30 – 3.00 pm	<b>SESSION 3: Overpressures in the Asia Pacific Region</b>
Chairs	Andrew Buffin, Senergy Roger Young, e-Seis Inc
1.30 pm	<i>Ong See Hong, GeoMechanics International</i> : Influence of Natural Fractures on Stimulation and Production in Unconventional Reservoirs
1.55 pm	Presentation to be advised
2.20 pm	<i>Mark Webster, Consultant</i> : Overpressures in Taranaki Basin: Distribution, Causes and Implications for Exploration
2.45 pm	Open Discussion and Introduction to Breakout Sessions
3:00 – 3:30 pm	<b>Coffee Break and Posters</b>
3:30 - 5:00 pm	<b>SESSION 4: Breakout Sessions and Day One Discussion</b>
3.30 pm	Breakout Discussions (2 groups) Chair Group A : Richard Swarbrick, GeoPressure Technology Chair Group B : Nader Dutta, Schlumberger
4.00 pm	Wrap-Up of Breakout Discussions
4.10 pm	Summary of Breakout Discussion Group A
4.30 pm	Summary of Breakout Discussion Group B
4.50 – 5.00 pm	Day One Closing Remarks
7:00 – 10.00 pm	<b>GTW Group Dinner</b>

<b>FRIDAY 29 OCTOBER 2010</b>	
8:00 – 10:00 am	<b>SESSION 5: Frontiers of Pore Pressure Prediction</b>
Chair	Ong See Hong, GeoMechanics International (TBC) Brent Couzens-Schultz, Shell
8.00 am	<b>Plenary Presentation:</b> <i>Nader Dutta, Schlumberger</i> : Pore Pressure Prediction: Recent Advances, Lessons Learned and the Road Ahead
8.45 am	<i>Patrizia Cibir, ENI</i> : Pore Pressure Prediction in HP/HT Environment by Seismic Velocity and Impedance Fields
9.10 am	<i>Roger Young, e-Seis</i> : Frequency-Based Pore Pressure, An Alternate Approach
9.35 am	<i>Peter Van Ruth, Woodside</i> : Pore Pressure Prediction from 4D AVO Analysis in the Enfield Field, Australia (TBC)
10:00 – 10:30 am	<b>Coffee Break and Posters</b>
10.30 am – 12.30 pm	<b>SESSION 6: Case Studies – Asia Pacific</b>
Chair	Neil Goulty, Durham University Rashidah Abd. Karim, Petronas (TBC)
10.30 am	<i>Brent Couzens-Schultz, Shell</i> : Pore Pressure Prediction in the Offshore Sabah Deepwater Foldbelt
10.55 am	<i>Jayesh Kumar Mehta, Stuart Wright</i> : Reducing Risk in HPHT Operations Through Narrowing the Margin Between Geoscience and Well Engineering
11.20 am	<i>Yang Jiao, Petrochina Hangzhou Research Institute of Geology</i> : Using Seismic Velocity and Attributes in Pore Pressure Prediction in Frontier Areas
11.45 am	<i>Agus Tjengdrawira, GeoMechanics International</i> : Overpressure Origin and Prediction Strategy from Petrophysical Data; A Case Study from North Sumatra Basin, Indonesia.
12.10 pm	Speakers' Questions and Open Discussion
12.30 – 1.30 pm	<b>Buffet Lunch</b>
1:30 – 3.00 pm	<b>SESSION 7: Petrophysics of Pore Pressure</b>
Chairs	John Turvill, Ikon Science Phil Heppard, ConocoPhillips

1.30 pm	<i>Sanjeev Bordoloi, GeoMechanics International</i> : Importance of Incorporating Geological Understanding in Pore Pressure Modeling
1.55 pm	<i>Andrew Buffin, Senergy Australia</i> : Petrophysics and Pore Pressure: Pitfalls and Perfection
2.20 pm	<i>Rick Cody, e-Seis Inc.</i> : A 3D Pre-Drill Mud Log Increases the Accuracy of the Basis of Design & Flattens a Well's Learning Curve
2.45 pm	Open Discussion
3:00 – 3.30 pm	<b>Coffee Break and Posters</b>
3.30 – 5.00 pm	<b>SESSION 8: Open Discussion : Moving Forward</b>
Chairs	Richard Swarbrick, GeoPressure Technology Mark Tingay, University of Adelaide
3.30 pm	IPOD Analysis (Issues, Problems, Opportunities and Directions)
4.30 pm	Open Discussion: Where do we go from here?
4.50 pm	GTW Closing Remarks
5.00 pm	Optional (at own cost) : Drinks at a nearby Pub

### **Poster Presentations**

- Pore Pressure Prediction: Recent Advances, Lessons Learned and the Road Ahead  
*Nader Dutta, Schlumberger*
- Overpressure and compaction in the Peciko Field, Lower Kutai Basin  
*Agus Ramdhan, Durham University*
- Evaporite dissolution and pore fluid pressure as controls on diagenesis in complex fluvial HPHT reservoirs  
*Nguyen Binh, Durham University*
- Using Seismic Velocity and Attributes in Pore Pressure Prediction in Frontier Area  
*Yang Jiao, Petrochina Hangzhou Institute of Geology*
- An Application of Logistic Equation to Compaction Process of Mudstone; Revisits to Classics of Athy (1930) and Burst (1969)  
*Hiroshi Honda, Inpex*