



Queensland Section



## FESQ-SPE-DNRM Technology Day

**Date:** Wednesday, 5 October 2016 – Save the date!

**Time:** 9:00 am to 16:30 pm. Networking drinks from 16:30 pm to 18:30 pm

**Registration:** Please register online at <http://www.spe-qld.org>

**Place:** 80 George St, Brisbane  
Auditoriums 1 & 2 – Queensland Government Conference facilities

**Cost:** **\$25 for members, \$15 for students and \$40 for non-members,**  
**Lunch, Afternoon tea and drinks will be provided**

**Theme/objectives:**

- Advancement of innovative technologies in the mining, petroleum and gas industries
- Simulation models, workflows and case histories applied in Queensland
- Recent developments in the science of petrophysics
- Informal networking for (postgraduate) students and professionals

***Don't miss out to witness the Wireline Tools, laboratory apparatus and University of Queensland Center of Coal Gas Student Research poster session***

**9:00 – 9:30** Registration & meet and greet

**9:30 – 10:00** Keynote address - Professor Chris Greig, Director, UQ Energy Initiative

**10:00 – 16:00** Presentations from local industry and academia leaders including

- **Thomas Flottmann** (Principal Geologist, Unconventional Technologies, Origin)
- **Tony Hill** (Principal Geologist, SA Dept. of State Development, Energy Resources Div.)
- **Andy Hall** (Principal Petrophysicist, Pentagram)
- **Emma Tavener** (Team Leader Geomechanics, Santos)
- **Tim Hopper** (Consultant, Surtron & Managing Director, NMR Services Australia)
- **Paul Renouf** (Lead Petroleum Engineer, WestSide)
- **Phil Jolly** (Reservoir Engineer, Arrow Energy)
- **Ashish Datey** (Senior Petrophysicist, Schlumberger)
- **Professor Jim Underschultz** (Chair of Petroleum Hydrodynamics, UQ CCSG)
- Poster presentations by (Graduate) Student covering a variety of topics in the local and regional mining, petroleum and unconventional gas industries.

**16:00 – 16:30** Closing - Tony Knight (Chief Geologist, Department of Natural Resources and Mines)

*Presentation details can be found on page two.*





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### Program:

**9:30 – 10:00 Keynote address - Professor Chris Greig, Director, UQ Energy Initiative**

*Bio: Professor Chris Greig, a Chemical Engineer, leads both the UQ Energy Initiative and the Dow Centre for Sustainable Engineering Innovation. He held executive roles in construction, mining and clean energy industries in Australia and abroad over a career spanning 25 years. He is a Non-Executive Director of Seymour Whyte Limited and has held various other corporate and Government board positions including as Deputy Chairman of Gladstone Ports Corporation.*

**10:00 – 10:30 Thomas Flottmann** - Wireline Log manifestation of plate tectonics and structural settings – impact on CSG field development

**10:30 – 11:00 Tony Hill** - HyLogging unconventional petroleum core from the Cooper Basin, South Australia

**11:00 – 11:30 Andy Hall** - Using Capillary Pressure Data to Improve Water Saturation Estimates

**11:30 – 12:30 Lunch and Poster Presentations**

**12:30 – 13:00 Emma Tavener** - Mechanical earth modelling for hole stability and fracture stimulation applications in Bowen/Surat

**13:00 – 13:30 Tim Hopper** - Slimhole NMR Tools: New applications of an old technology

**13:30 – 14:00 Paul Renouf** - Simulation - Reserves - Field Development Planning: Linking it together From a Small CSG Operator's Perspective

**14:00 – 14:30 Afternoon Tea and Posters**

**14:30 – 15:00 Phil Jolly** – The use of Data Analytics in the CBM Industry

**15:00 – 15:30 Ashish Datey** – De-risking Wireline logging in CSG wells

**15:30 – 16:00 Professor Jim Underschultz** - Fault seal analysis and applications to understanding risk of CSG development impacting adjacent aquifers.

**16:00 – 16:30 Closing - Tony Knight** (Chief Geologist, Department of Natural Resources and Mines)

Posters, covering a variety of topics in the local and regional mining, petroleum and unconventional gas industries, will be presented by (Graduate) Students.



Queensland  
Government

In collaboration with the Queensland Government's Geological Survey of Queensland.