

Effective and Sustainable Hydraulic Fracturing – HF2013

**ISRM Specialized Conference
20-22 May 2013
Brisbane, Australia**

The International Conference for Effective and Sustainable Hydraulic Fracturing (HF2013) was held 20-22 May 2013 in Brisbane, Australia.

The goal of HF2013 was to advance hydraulic fracturing technology that is effective in its purpose and sustainable in its impacts on communities and environments by bringing together hydraulic fracturing experts not only from the oil and gas industry, but also from other application areas of hydraulic fracturing such as mining and geothermal energy production.

HF2013 was attended by 120 delegates and its program consisted of 6 keynote lectures, 10 industry and research exhibits, and 47 technical presentations that correspond to full length papers which were published in an open access electronic proceedings (link provided below). Topics included hydraulic fracturing of naturally fractured formations, well completions and fracture initiation, induced seismicity, experimental investigations, and coupled modelling. Beyond this mix of traditional and currently hot topics in hydraulic fracturing research, there were papers on applications in mining and also on regulations, risk, and communities.



The conference program provided a unique mix of mainstream topics with emerging topics, complimentary areas, and input from sources that are often not tapped by oil and gas industry targeted conferences. Keynotes and technical presentations included

contributions from both academics and practicing engineers. The resulting discussions, which included an “open microphone” session at the end of the conference’s second day, were dynamic and the subject of extensive positive feedback from the participants.

The open access proceedings reflect this dynamic collection of contributors from a wide range of backgrounds, making the volume unlike any other previously compiled collection of papers on hydraulic fracturing.

HF2013 was a Specialized Conference supported by the International Society for Rock Mechanics (ISRM) via the Australian Geomechanics Society and hosted by Australia’s Commonwealth Scientific and Industrial Research Organisation (CSIRO). Organisational support was also provided by the University of Utah’s Energy and Geoscience Institute (EGI) and the American Rock Mechanics Association (ARMA). Itasca was the conference Gold Sponsor and additional sponsorship was provided by Shell E&P and the University of Oklahoma.

The proceedings can be downloaded for free at:

<http://www.intechopen.com/books/effective-and-sustainable-hydraulic-fracturing>

Effective and Sustainable Hydraulic Fracturing. AP Bungler, J McLennan and R Jeffrey (eds.), ISBN 978-953-51-1137-5, Hard cover, 53 chapters, 1000 pages, (Intech) 2013.