

ISRM-ARMA Workshop on Petroleum Geomechanics Testing

ARMA and the ISRM have started a new series of workshops which will focus on **Rock Properties for Petroleum Geomechanics Applications**. This is part of a broader initiative that has the goals of harmonizing industry workflows through the development of a best practice manual, and raising the awareness of the importance of high quality geomechanical analyses as an integral part of sub-surface characterization and reservoir management.

The first one day Workshop will take place before the formal ARMA 2012 sessions, and we invite you to contribute with presentations and/or through your participation in the discussions. The plan is to make this Workshop a regular event for the coming years. The aim is to explore how to efficiently obtain quality rock properties relevant to field development planning (FDP), for design issues such as hydraulic fracture design, borehole stability, sand production, reservoir compaction and stress path issues, cold and produced water re-injection, cuttings re-injection, thermal stimulation and rock fluid interaction during aggressive fluid injection.

This first workshop will focus on coring and testing issues including, coring guidelines and best practices, minimising core damage, identifying core damage, sample preparation and handling, 'best-practice' testing protocols, index testing, non-standard tests (e.g. creep, high temperature, high pressure, reactive fluids, fractured rock) and the use of analogue materials. We will defer a number of important issues to future workshops, such as: quantifying measurement error/uncertainty, log-property correlations, developing 3-D Mechanical Earth Models (using 3-D seismic data for spatial interpolation of rock mechanics properties), and optimizing the testing programs.

There will be no formal written articles in this 1st workshop. However, it is our intention to make all presentations available (subject to release by the presenter) on a webpage in the ISRM website. All participants are also encouraged to bring along posters in support of the discussions and/or provide written contribution/suggestions to the broader ISRM community through the same webpage. In addition, contributions of formal papers to the proceedings of the main conference are encouraged.

It is the intention, within four years, to compile the outcome from these workshops into the comprehensive ***ISRM Suggested Methods for Rock Testing in Petroleum Geomechanics***. You are cordially invited to join us in this endeavor. Please contact any of the following to express your interest:

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