

# EAGE

EUROPEAN  
ASSOCIATION OF  
GEOSCIENTISTS &  
ENGINEERS

FIRST ANNOUNCEMENT

# International Workshop on Geomechanics & Energy

The Ground as Energy Source and Storage

26-28 November 2013  
Lausanne, Switzerland

## Committee

Lyesse Laloui

*Chairman*

Bertrand François

*Chairman*

Lars Andresen

Peter Connolly

Robert Charlier

Dave Dewhurst

Alessio Ferrari

Tomasz Hueckel

Paul Marshall

(Swiss Federal Institute of  
Technology (EPFL))

(Université Libre de  
Bruxelles)

(Norwegian Geotechnical  
Institute)

(Chevron Energy Technology Co)  
(Université de Liège)

(CSIRO Earth Science and  
Resource Engineering)

(Swiss Federal Institute of  
Technology (EPFL))

(Duke University)

(Nagra)

[www.eage.org](http://www.eage.org)

## About the workshop

Geomechanics plays an important role in the utilization of conventional or alternative energy sources and in the development of sustainable energy management. The understanding and the prediction of the mechanical behaviour of geomaterials involved in the exploitation or the storage of energy resources request robust sciences. This could be summarized as follows:

- Facing the limited fossil fuel resources, the way we exploit the hydrocarbon reservoir must be optimized.
- Alternative sources of energy must be promoted and developed to reduce the worldwide dependency of fossil fuel.
- Energy exploitation also means waste production. The ground offers a possible host environment as a definitive solution for the storage of those wastes, providing that the interaction between waste and earth are predictable and safe. Similar concepts could be applied to CO<sub>2</sub> sequestration.

Consequently, the development of the energy sector, sustainably and in harmony with the geological environment, requires rigorous understanding and assessment of the highly coupled geomechanical response of the geo-system.

The goal of the workshop is to discuss the most recent contributions of geomechanics to various fields of energy. The workshop will provide a comprehensive contribution, which has the potential to become reference material for engineers and scientists involved in the design and the exploitation of energy geosystems. High-quality scientific work and contributions in innovative applied-oriented technologies will be encouraged.



## Who should attend?

We hope this workshop will have general appeal to everybody involved in geomechanical engineering of energy geo-systems. It includes experts, companies, contractors, installers, academic researchers, PhD students and post-graduate students facing the need for a deeper understanding of the highly coupled response of geomaterials in interaction with energy infrastructures or waste storage.

## Venue

The workshop will take place at the Swiss Federal Institute of Technology (EPFL) in Lausanne, Switzerland.

## Call for papers

The call for papers deadline is 20 June 2013. To submit an abstract or for more information, go to [www.eage.org](http://www.eage.org).

## Topics

The workshop sessions are planned to be structured around three themes:

1. Hydrocarbon Exploration and Production: naturally and hydraulically fractured reservoir, wellbore stability, unconventional energy sources (shale gas, methane hydrate), subsidence, fault reactivation, etc.
2. Interactions between Wastes and Earth: nuclear waste disposal, CO<sub>2</sub> sequestration
3. Geothermal Energy: shallow and deep geothermal energy, heat exchanger geostructures

## Contact

For more information or enquiries about this workshop please visit the event's website ([www.eage.org](http://www.eage.org)) or contact the EAGE Head Office via [eage@eage.org](mailto:eage@eage.org).

We hope to see you in Lausanne!