

The background of the entire poster is a photograph of the Atomium structure in Brussels, Belgium. The structure consists of three large spherical nodes connected by a network of white tubular beams. One node in the upper center has a flag on top. Another node in the lower left is shown with water splashing out of it. The sky is a pale blue with some light clouds. The overall image has a teal/green color overlay.

# EAGE

EUROPEAN  
ASSOCIATION OF  
GEOSCIENTISTS &  
ENGINEERS

FIRST ANNOUNCEMENT AND  
CALL FOR ABSTRACTS

## Second EAGE Workshop on Geomechanics and Energy

The ground as energy source and storage

3-5 November 2015  
Brussels, Belgium

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

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## About the workshop

Hydrocarbon resources as well as alternative sources of energy present in the ground, must be extracted properly from a geo-system that is highly complex. Also, the ground offers a possible host environment as a temporary or definitive solution for the storage of energy or wastes.

The host ground can be strongly impacted by the activity of extraction or storage. In order to keep a high efficiency of the exploited reservoir and to maintain the stability of the system, the mechanical behaviour of the geosystem must be controlled. 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 geosystem.

Coupling, heterogeneity, uncertainty, anisotropy, non-linearity, irreversibility, space and time multi-scale processes are common features that should be properly tackled if we wish to fully characterize, understand, quantify and predict the behavior of those geosystems.

The inaugural conference of this series (the First International Workshop on Geomechanics and Energy) took place in Lausanne (Switzerland) in November 2013 and attracted more than 90 participants from 18 countries, universities, research centres and industries.

This Second International Workshop on Geomechanics and Energy will be held in Brussels (Belgium), on 3-5 November 2015. It will provide a forum for scientists and practicing engineers alike to present the most recent contributions of geomechanics to various fields of energy.

The specificity of this workshop is that it gathers various topics that may seem apparently disconnected but that share joint tools for each application. So, the focus will mainly lie on the cross-disciplinary point of view that links the different topics.

The call for abstracts is open now. Each accepted paper will be requested for presentation during the workshop (oral or poster). The workshop will take place across three days, including an ice-breaker reception and a social dinner.

We look forward to welcoming you all to Brussels in November 2015.

Prof. L. Laloui\* and Prof. B. François\*\*

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\*\* Université Libre de Bruxelles

## Who should attend?

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

## Call for abstracts

In order to submit an abstract, please go to [www.eage.org/event/geomechanics-energy-2015](http://www.eage.org/event/geomechanics-energy-2015). Read the information and instructions carefully, prior to submitting. Please be informed that the call for abstracts deadline is 10 June 2015.

## Topics

The areas of interest are related to geomechanical application in the subsurface extraction of energy and the storage of waste, including the different levels of investigations: in-situ investigation, laboratory experiment, constitutive modelling and numerical modelling.

High-quality scientific work and contributions in innovative applied-oriented technologies will be encouraged. Specific topics of interest include, but not limited to:

- 1) Hydrocarbon Exploration and Production:
  - a) Naturally and hydraulically fractured reservoirs
  - b) Wellbore stability
  - c) Unconventional energy sources (shale gas, methane hydrate)
  - d) Subsidence
  - e) Fault reactivation
- 2) Underground storage
  - a) Nuclear waste disposal
  - b) CO<sub>2</sub> sequestration
  - c) Gas underground storage
- 3) Geothermal Energy
  - a) Shallow and deep geothermal energy
  - b) Heat exchanger geostructures

## Important dates

Call for Abstracts Open	01 October 2014
Deadline Call for Abstracts	10 June 2015
Second Geomechanics and Energy Workshop	03-05 November 2015

## About the city

The workshop will take place in Brussels, Belgium. For more detailed information about the highlights of the city and how to get there, please visit our event's website.

## Sponsorship

The workshop offers a range of high-visibility sponsorship opportunities. For more information, please refer to the 'Sponsoring Guide' that is available on the workshop website or contact us at [sponsoring@eage.org](mailto:sponsoring@eage.org).

## Contact

For more information or enquiries about this workshop please visit the event's website ([www.eage.org/event/geomechanics-energy-2015](http://www.eage.org/event/geomechanics-energy-2015)) or contact the EAGE Head Office via [conferences@eage.org](mailto:conferences@eage.org).

We hope to see you in Brussels!







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