

# International Symposium on Energy Geotechnics

Universitat Politècnica de Catalunya (UPC)

Barcelona, Spain. June 2<sup>nd</sup> to 4<sup>th</sup> 2015

ISSMGE TC308 on Energy Geotechnics





# ISSMGE TC308 on Energy Geotechnics



## About the Barcelona Symposium on Energy Geotechnics (SEG2015)

*On behalf of the Technical Committee (TC308) on Energy Geotechnics of the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE) you are kindly invited to attend the ‘Symposium on Energy Geotechnics’ to be held in Barcelona, Spain, on June 2-4, 2015. The Symposium venue will be the Universitat Politècnica de Catalunya (UPC) in Barcelona, Spain. This is the first Symposium of this type and it will provide an excellent opportunity to present your own research in this subject, participate in the discussion panels, learn from leading experts in this topic, and expand your knowledge in this area.*

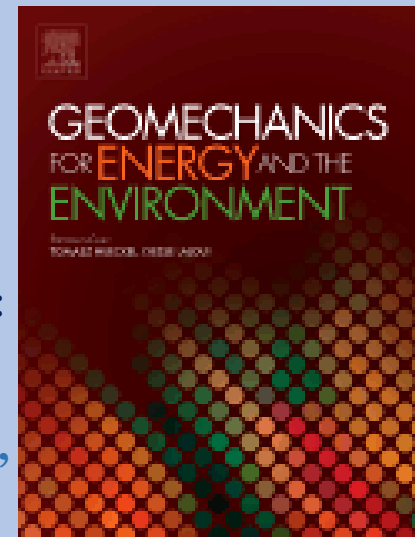
Geotechnical engineering has expanded its domain into the field of Energy Geotechnics. This branch of geotechnical engineering will play a fundamental role in the near future due to the increase in energy demands in the next decades associated with economic development and population growth worldwide. Geotechnical engineering is at the core of the energy challenge.

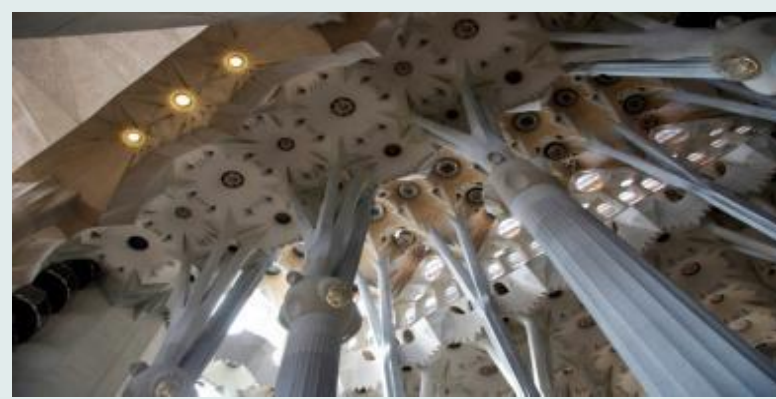
### The following main topics will be covered in this Symposium:

- Gas Hydrate Sediments
- Unconventional Hydrocarbon. Hydraulic Fracturing
- Energy Geo-Structure and Storage of Thermal Energy in the Ground
- Energy Geo-Storage
- High Level Radioactive Waste Disposal
- Carbon Dioxide Geological Storage
- Fundamentals of Geo-Energy
- Other geotechnical activities related to the energy sector

Authors of selected abstracts will be offered the opportunity of fast publishing of their full length papers in:

**“Geomechanics for Energy and the Environment”**





## Program Overview

- Position papers
- Discussion panels
- Invited speakers
- Technical presentations
- Networking opportunities: breaks, lunches & dinner.

World leading experts in Energy Geotechnics will be acting as Speakers and Panelists.

**Registration:** 250 Euros (include coffee breaks, lunches and gala dinner).

**2.5 days Symposium. LIMITED PLACES**



## Organizing Committee

- Marcelo Sanchez, Texas A&M Univ. (USA)
- Enrique Romero, Univ. Politècnica de Catalunya (Spain)
- Antonio Gens, Univ. Politècnica de Catalunya (Spain)
- Sebastia Olivella, Univ. Poltècnica de Catalunya (Spain)

## International Technical Committee

- Eduardo Alonso, Univ. Politècnica de Catalunya (Spain)
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- Rick Chalaturnyk, Univ. of Alberta (Canada)
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- Pierre Delage, Ecole des Ponts Paristech (France)
- Leonardo Guimaraes, Univ. Federal de Pernambuco (Brazil)
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- Tomasz Hueckel, Duke Univ. (USA)
- Usama Karim, University of Twente. NL (Iraq)
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- Jean-Michel Pereira, Ecole des Ponts Paristech (France)
- Philippe Reiffsteck, Terrrasol (France)
- Salah Sadek, American Univ. of Beirut (Lebanon)
- Carlos Santamarina, Georgia Institute of Technology (USA)
- Tom Schanz, Ruhr-Univ. Bochum (Germany)
- Greg Siemens, Royal Military College of Canada (Canada)
- Kenichi Soga, Univ. of Cambridge (UK)
- Tae Sup, Yonsei University (Korea)
- Mario C. Torres-Suarez, Univ. Nacional de Colombia (Colombia)
- Maria Victoria Villar, CIEMAT (Spain)
- Frank Wuttke, Christian-Albrechts-Universität zu Kiel (Germany)
- Weimin Ye, Tongji University (China)



## Abstract submission

- Please submit your extended abstracts (2 pages) before **February 27<sup>th</sup> 2015** (please follow the enclosed template)
- Please submit it to:  
[coordinador.360@upc.edu](mailto:coordinador.360@upc.edu)

## Secretariat for registration issues

<http://congress.cimne.upc.es/seg2015/frontal/Registration.asp>

## Questions? Please contact:

Marcelo Sanchez: [msanchez@civil.tamu.edu](mailto:msanchez@civil.tamu.edu)

Enrique Romero: [enrique.romero-morales@upc.edu](mailto:enrique.romero-morales@upc.edu)



**Welcome to Barcelona SEG2015 !**



# Tentative Program Schedule

Time	8:45 - 9:00 am	9:00 - 10:40 am				10:40 - 11:10 am	11:10 am - 12:50 pm				12:50 - 2:00 pm	2:00 - 3:40 pm				3:40 - 4:10 pm	4:10 - 5:50 pm				From 6:00 pm
Tuesday June 2 <sup>nd</sup> 2015	Opening	High Level Radioactive Waste Disposal				Coffee break	Energy Geo-Structure and Storage of Thermal Energy in the Ground				Lunch	Carbon Dioxide Geological Storage				Coffee break	Gas Hydrate Sediments				TC308 meeting
	15'	PP 40'	IP 20'	IP 20'	PS 20'	30'	PP 40'	IP 20'	IP 20'	PS 20'	70'	PP 40'	IP 20'	IP 20'	PS 20'	30'	PP 40'	IP 20'	IP 20'	PS 20'	
Wednesday June 3 <sup>rd</sup> 2015		Energy Geo-storage				Coffee break	Unconventional Hydrocarbon. Hydraulic Fracturing				Lunch	Others geotechnical activities related to the energy sector				Coffee break	Fundamentals of Geo- Energy				Gala dinner
		PP 40'	IP 20'	IP 20'	PS 20'	30'	PP 40'	IP 20'	IP 20'	PS 20'	70'	PP 40'	IP 20'	IP 20'	PS 20'	30'	PP 40'	IP 20'	IP 20'	PS 20'	
Thursday June 4 <sup>th</sup> 2015	Technical Session				Coffee break	Technical Session				Panel and Closure	PP: Position Paper presentation IP: Invited Paper presentation PS: Panel Session										

## SYMPOSIUM SPONSORED BY:



**Càtedra UPC-Endesa Red**  
Victoriano Muñoz Oms

