

## Invitation

Authors willing to participate in this symposium are kindly invited to submit their abstracts starting from 15 May, 2013. All rock mechanics and rock engineering related papers are welcome for submission. The abstracts have to be written in English and they should sum up the contents of the paper. In particular they should include the objectives of the paper, the basic results and its main achievements.

## Abstract submission

An abstract may contain a maximum of 300 words and one figure. The abstract should include the title of the paper, the name(s) and affiliation(s) of the author(s), the e-mail address of the corresponding author and 3-4 keywords.

The abstracts should be prepared in Adobe Acrobat (PDF) format. Submission should be through the Symposium website and authors are requested to assign their papers to one of the Symposium topics. All abstracts and papers will be peer reviewed.

Authors are kindly invited to present their papers in person (orally or poster) at the Symposium. If finally accepted, one of the authors of the paper will be requested to pay the registration fee.

## Important Dates

**Abstract submission starts:** May 15, 2013

**Abstract submission deadline:** October 10, 2013

**Notification of acceptance:** October 31, 2013

**Full paper submission deadline:** December 15, 2013

**Notification of acceptance:** January 31, 2014

**Revised full paper submission deadline:** February 15, 2014

## Venue



EUROCK 2014 will be hosted in the 'Centro Social Novacaixagalicia Vigo'. This building accounts for more than 10,000 m<sup>2</sup> of surface. It is located in an outstanding architecture jewel of the XIXth century. It is located right in the center of Vigo and many relevant hotels of the town are located nearby.



**Centro Social  
Novacaixagalicia**  
Policarpo Sanz, 24 - 26.  
36202 Vigo  
Pontevedra (Spain)

Vigo: Gateway to the Atlantic

## CONTACT:

### Organizing Committee:

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### Technical Secretariat:

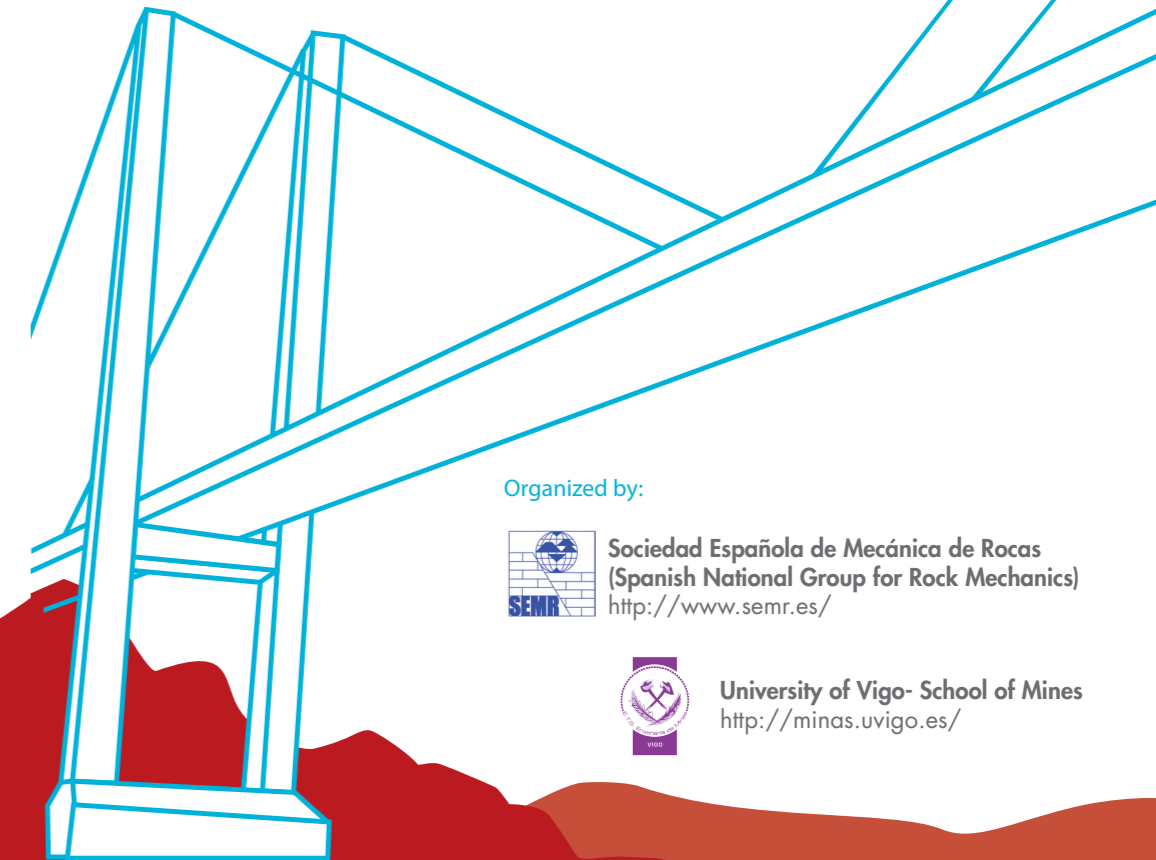
**Ángela Masso,**  
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# EUROCK VIGO 2014

**Rock Mechanics and Rock Engineering: Structures on and in rock masses**  
European Rock Mechanics Symposium (EUROCK2014)

Vigo (Spain) 27-29 May 2014

[www.eurock2014.com](http://www.eurock2014.com)



Organized by:



Sociedad Española de Mecánica de Rocas  
(Spanish National Group for Rock Mechanics)  
<http://www.semr.es/>



University of Vigo- School of Mines  
<http://minas.uvigo.es/>

## Committees (available in the web page)

### Symposium Chairman:

**Leandro Alejano** (Univeristy of Vigo)

### Symposium Co-chairman:








**Áurea Perucho** (SEMR, CEDEX)

## Theme & Topics

The Congress will cover the entire scope of rock mechanics and rock engineering, with the emphasis on ROCK ENGINEERING AND ROCK MECHANICS: STRUCTURES ON OR IN ROCK MASSES. The main topics include but are not limited to the following:

- Rock properties and testing methods
- Rock mass characterization
- Rock mechanics for infrastructures
- Mining rock mechanics
- Design methods and analysis
- Monitoring and back analysis
- Excavation and support
- Rock engineering in quarrying
- Preservation of natural stone and rock weathering
- Case histories
- Petroleum engineering and hydrofracking
- CO<sub>2</sub> storage
- Applicability of EUROCODE-7 in rock engineering

## Keynote Lectures

Nick Barton (Norway, Brazil)	Shear strength of rock, rock joints and rock masses: some problems and solutions	
Anna Maria Ferrero (Italy)	Rock mass characterization by means of advanced survey methods	
Xia-Ting Feng (China)	Case histories of rock engineering projects in China	
Claudio Olalla (Spain)	Foundations on rock masses	
Derek Martin (Canada)	The impact of brittle behaviour of rocks on excavation design	
José Lemos (Portugal)	Representation of rock discontinuities in safety analysis of large dams	
Carlos Carranza-Torres (USA)	Numerical modelling in rock engineering	

## Provisional planning

	Sunday 25 <sup>th</sup>	Monday 26 <sup>th</sup>	Tuesday 27 <sup>th</sup>	Wednesday 28 <sup>th</sup>	Thursday 29 <sup>th</sup>	Friday 30 <sup>th</sup>
MORNING			Opening Session # 1	Plenary Session # 7	Plenary Session # 13	
			Parallel Sessions # 2 & 3	Parallel Sessions # 8 & 9	Parallel Sessions # 14 & 15	
			Lunch Break			
AFTERNOON	Short courses	Short courses & Workshop	Plenary Session # 4	Plenary Session # 10	Plenary Session # 16	Technical visits
			Parallel Sessions # 5 & 6	Parallel Sessions # 11 & 12	Parallel Sessions # 17 & 18	
					Symposium closure	
EVENING		Welcome reception		Banquette		

## Short Courses

### ONE DAY SHORT-COURSE: 26<sup>TH</sup> MAY 2014

#### Rock mechanics solutions for ornamental rock protection & archaeological site conservation

**Course director: José Delgado Rodrigues**

*The objective of this course is to establish a dialogue between rock mechanics and conservation of architectural and archaeological sites with the objective of identifying, in the field of geotechnical engineering, applied technologies or novel theoretical premises able to analyze, diagnose and treat conservation problems of the rocks used in architectural heritage.*

### TWO-DAY SHORT COURSE: 25<sup>TH</sup> & 26<sup>TH</sup> MAY 2014

Possible course: Numerical modeling in rock mechanics  
Contents to be determined.

## WorkShop

#### "Applicability of EUROCODE-7 to foundation and slope design in rock engineering"

**Workshop Chairman: John Harrison**

*The objective is to discuss the experiences of verification of rock mechanical design by calculations, adaption of prescript measures and observation methods according to the new Eurocode-7 for future development and implementation.*

## Field trips

At least 2 one-day field trips and technical visits in the vicinity of Vigo will be organized for the 30th May 2014, including:

- 1) Underground slate mine & Las Médulas (Roman Gold mining area)
- 2) Railway tunnel and granite quarries in near town O Porriño
- 3) Dam construction site in Northern Portugal

## Social events

The Congress will organize a traditional banquet and a welcome reception is also contemplated. A program for accompanying persons will be offered including at least 2 one-day tours to Santiago and near-by villages.