

EAGE

First Announcement and Call for Abstracts

— FIRST —
CONFERENCE ON
GEOPHYSICS
FOR MINERAL
EXPLORATION
AND MINING

**NEAR SURFACE
GEOSCIENCE**
CONFERENCE & EXHIBITION



Introduction

The First EAGE Conference on Geophysics for Mineral Exploration and Mining provides an international forum for sharing the recent advances, trending topics, and novel methods of the use of geophysical techniques in the mining industry. Although European research groups have contributed significantly to the development and application of geophysical methods, this will be the first conference with a focus on geophysics in mineral exploration and mining, organized by EAGE in Europe.

We encourage contributions from all over the world, especially those with a European focus and application. Emphasis will be placed on emerging geophysical techniques for mineral exploration, novel interpretation schemes, and challenging case studies.

The aim of the conference is to promote international cooperation on geophysical methods that lead to sustained mineral exploration and development.

Organizing Committee

Michael Zhdanov (Chair)	University of Utah/TechnoImaging LLC
Xavier Garcia (Co-chair)	CSIC - Institute of Marine Sciences
George Apostolopoulos	National Technical University of Athens
Oliver Kuras	British Geological Survey
Jean Legault	Geotech
Alireza Malehmir	Uppsala University
Kazuya Okada	Sumiko Resources Exploration & Development
Louis Plolome	Spectrem
Valentina Socco	Politecnico di Torino
Michael Welch	Danish Technical University

Technical Programme

The technical programme includes a variety of oral and poster presentations on a broad selection of geophysics for mineral exploration and mining related topics. Should you wish to contribute to the technical programme, please refer to the First Conference on Geophysics for Mineral Exploration and Mining website: www.eage.org/event/mineral-exploration-2016.

Call for Abstracts

The call for abstracts will open on 15 September 2015. The deadline for submitting extended abstracts is **15 April 2016**. All extended abstracts must be submitted in standard format and will be peer-reviewed before final selection by the scientific committee.



Topics

For the First Conference on Geophysics for Mineral Exploration and Mining, we will accept papers on the following topics:

- Physical Properties of Mineral Deposits and their Geophysical Signatures
- Ground and Airborne Potential Field Methods;
- Ground and Airborne EM Methods
- Hyperspectral Remote Sensing
- 3D Inversion for Mining and Mineral Exploration Methods;
- Downhole and In-Mine Geophysical Methods
- Ground and Airborne Spectral Induced Polarization Methods
- Seismic Imaging of Mineral Deposits and their Host Environment
- Emerging Geophysical Techniques for Mineral Exploration
- Joint Inversion and Integration of Multimodal Geophysical Data.
- Deep Exploration Under Cover
- Geophysical Studies of Deposits Hosting Critical Raw Materials
- Integration of Geophysics and Geochemistry
- Geophysical Monitoring of Mining Activities

Important Dates

Call for Abstracts Open	15 September 2015
Deadline Early Exhibition Rate	1 March 2016
Registration Open	1 April 2016
Deadline Call for Abstracts	15 April 2016
Deadline Early Registration	15 July 2016
Deadline for Registration	31 August 2016
Near Surface Geoscience 2015	4-8 September 2016

Near Surface Geoscience 2016

The first Conference on Geophysics for Mineral Exploration and Mining is part of a larger event called Near Surface Geoscience 2016. This event consists of the 22nd European Meeting of Environmental and Engineering Geophysics, the second Applied Shallow Marine Geophysics Conference, and the first Conference on Geophysics for Mineral Exploration and Mining.

The conferences have their own technical programme and aim to attract people specialized in the conference topics, as well as people with a broader interest in Near Surface Geoscience. The combination of conferences offers participants from different disciplines a chance to follow a technical programme specialized in their area of expertise while also being exposed to other disciplines.

Delegates will register for the conference of their interest. The registration gives them access to the technical programme of that specific conference. Moreover, they are free to also attend the technical programmes of the other conferences and visit the exhibition. The social programme, consisting of a welcome reception and a conference dinner, is also included in each conference registration.

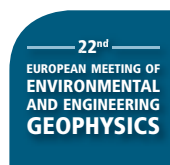
The exhibition is the central place where companies display products and services that are relevant to all three component conferences. The coffee breaks and welcome reception take place at the exhibition and provide excellent networking opportunities in an informal setting.

Near Surface Geoscience Overview

Near Surface Geoscience Workshops	4 September 2016
22 nd European Meeting of Environmental and Engineering Geophysics	5-7 September 2016
Second Applied Shallow Marine Geophysics Conference	5-7 September 2016
First Conference on Geophysics for Mineral Exploration and Mining	5-6 September 2016
Near Surface Geoscience Exhibition	5-7 September 2016
Near Surface Geoscience Field Trips	8 September 2016



Parallel Conferences



22nd European Meeting on Environmental and Engineering Geophysics

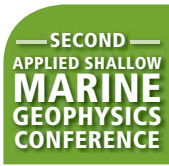
Much has changed in our science and in our profession since the meeting was last held in the “Head and Hearth of Catalonia,” the impressive cultural centre and major tourist destination that is Barcelona. Eighteen years ago in 1998, the 4th Meeting of Environmental and Engineering Geophysics was a focal point for a small but rapidly growing community of researchers and professionals with a keen interest in near-surface geophysics and its wide range of applications.

Fast forward to 2016, a new generation of geophysicists returns to Barcelona as a strong, well-established, and forward-looking division of EAGE, having attracted more than 3300 affiliated members and contributing measurably to the overall success of our Association. In particular, it is most satisfying to see the Near Surface Geoscience meeting going from strength to strength in its modern format – as we are now able to incorporate an even wider range of subjects and professional interests under the Near Surface Geoscience umbrella.

The 22nd Meeting of Environmental and Engineering Geophysics aims to showcase the state of the art in geophysical methodology; highlight the latest innovation in theory, algorithm development, data processing, modelling and interpretation; and chart out the road ahead for the future of our science. Our commercial exhibitors will present the latest achievements in geophysical equipment, technology, and services.

Local Advisory Committee

Albert Casas (<i>Chair</i>)	University of Barcelona
Beatriz Benjumea	Institut Cartogràfic i Geològic de Catalunya
Sara Figueras	Institut Cartogràfic i Geològic de Catalunya
Juanjo Ledo	University of Barcelona
Alex Marcuello	University of Barcelona
Vega Pérez	Universitat Politècnica de Catalunya
Lluís Rivero	University of Barcelona



Second Applied Shallow Marine Geophysics Conference

Developing a detailed understanding of the shallow geology (seabed and overburden) is essential for a proper and safe assessment of site conditions for all types of fixed marine installations and infrastructure. Modern survey approaches commonly make extensive use of geophysical methods and integration with other datasets, including geotechnical and geomechanical to provide this information. Following the success of the *Applied Shallow Marine Geophysics* conference in Athens, 2014, professionals from academia, service companies, operators, and offshore energy companies will reconvene in Barcelona to further present and discuss the state of the art in characterizing the shallow overburden from coastal areas to the deep sea.

Organizing Committee

Maarten Vanneste <i>(Chair)</i>	Norwegian Geotechnical Institute
John Arthur	Top-Hole Site Studies
Eric Cauquil	TOTAL
Carl Fredrik Forsberg	Norwegian Geotechnical Institute
Ken Games	Gardline
Andy Hill	BP Houston
Marion Jegen-Kulcsar	GEOMAR - Helmholtz Centre for Ocean Research
Richard Salisbury	Fugro GeoConsulting
Leiv R. Stensen	STATOIL
Mark E. Vardy	National Oceanography Centre Southampton

Workshops and Field Trips

Near Surface Geoscience 2016 will offer workshops and field trips. The workshops are scheduled on Sunday 4 September and the field trips on Thursday 8 September 2016. More information will follow soon. Please refer to the event websites to stay updated.

Exhibition and Sponsoring

Near Surface Geoscience 2016 offers an exhibition of approximately 225 m² exhibit space (net). Together with the technical programmes, the exhibition will be held in the Palau de Congressos de Catalunya from 5-7 September 2016. Should you be interested in participating at this event as an exhibitor, please refer to the EAGE website or contact us at exhibition@eage.org.

Besides the exhibition programme Near Surface Geoscience 2016 offers a wide variety of sponsoring opportunities. As a sponsor, you will have dedicated exposure at the event. If you are interested in sponsoring this event, please refer to the EAGE website or contact us at sponsoring@eage.org.

Venue

The Near Surface Geoscience 2016 conference will be held at the Palau de Congressos de Catalunya in Barcelona.

Palau de Congressos de Catalunya
Av. Diagonal 661-671
08028 Barcelona, Spain

About Barcelona

Barcelona is the capital of Catalonia and the second largest city in Spain. The city is a cosmopolitan Mediterranean city that incorporates in its urban street pattern Roman remains, medieval districts, and the most beautiful examples of Modernism and 20th century avantgarde art. Barcelona is an important cultural centre and a major tourist destination and has a rich cultural heritage. Particularly renowned are the architectural works of Antoni Gaudí and Lluís Domènech i Montaner, which have been designated UNESCO World Heritage Sites.

Contact

For more information or enquiries please visit the event website www.eage.org/event/mineral-exploration-2016, or contact the EAGE Europe Office via nearsurface@eage.org.