

EAGE

CONFERENCE & EXHIBITION

NEAR SURFACE GEOSCIENCE'22

18-22 SEPTEMBER 2022 | BELGRADE, SERBIA

28th

European Meeting of
Environmental and
Engineering Geophysics

4th

Conference on Geophysics
for Mineral Exploration
and Mining

3rd

Conference on
Airborne, Drone and
Robotic Geophysics

PROGRAMME & CATALOGUE

MAIN SPONSOR



WWW.NSG2022.ORG

#NSG2022   

WELCOME TO THE NEAR SURFACE GEOSCIENCE CONFERENCE & EXHIBITION 2022

28th

European Meeting of
Environmental and
Engineering Geophysics

4th

Conference on Geophysics
for Mineral Exploration
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Robotic Geophysics

About the Programme

With this Programme & Catalogue we will help you make the most of your attendance. It contains all necessary information about the technical programme, exhibition, workshops, field trips, social programme and field demonstrations.

This year's event incorporates the following meetings:

- 28th European Meeting of Environmental and Engineering Geophysics
- 4th Conference on Geophysics for Mineral Exploration and Mining
- 3rd Conference on Airborne, Drone and Robotic Geophysics

All full conference delegates have access to the Technical Programme (on-site and online) of each of the three meetings, exhibition, field demonstrations and social programme (Icebreaker Reception and Conference Evening), excluding workshops and field trips.

The Exhibition is the central place where companies from all disciplines display their products and services.

The Coffee Breaks and Icebreaker Reception take place at the Exhibition and provide excellent networking opportunities in an informal setting.

FACTS

LOCATION

BELGRADE

FOR THE FIRST TIME!

SESSIONS

45

PRESENTATIONS

182

SPEAKERS

153

EXHIBITORS

29

General information

Local Advisory Committee

Snežana Komatina (Chair)	AGES
Magdalena Marković Juhlin (Co-chair)	Uppsala University
Marko Vanić (Co-chair)	Scientific-Technological Center NIS-Naftagas
Monika Ivandić	Uppsala University
Milan Milošević	Energoprojekt - Hidroinženjering a.d.
Victor Mocanu	University of Bucharest
Raffaele Persico	University of Calabria
Klodian Skrame	Polytechnic University of Tirana
Florina Tuluca	University of Bucharest

Programme Overview

Sunday 18 September

09:00-17:00	Workshop 1: 2D and 3D Seismic Data Processing Focused on the Near Surface
09:00-17:00	Workshop 2: Geotechnical Applications of Geosciences

Monday 19 September

09:45-11:00	Opening Session
11:00-19:30	Exhibition Open
11:30-17:15	Technical Programme
17:30-19:30	Icebreaker Reception

Tuesday 20 September

09:00-17:00	Exhibition Open
09:00-15:20	Technical Programme
15:20-17:00	Field Demonstrations
19:30-23:30	Conference Evening

Wednesday 21 September

09:00-16:00	Exhibition Open
09:00-17:00	Technical Programme
17:15-18:00	Closing Session
18:00-22:00	Field Trip 1: Geologists at Walk - Witchery of the Old Fortress

Thursday 22 & Friday 23 September

08:00-20:00	Field Trip 2: Western Serbia - A Never-ending Story
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Opening Hours EAGE Registration & Helpdesk

Sunday 18 September	08:30-17:30
Monday 19 September	08:30-17:30
Tuesday 20 September	08:00-17:00
Wednesday 21 September	08:00-17:00

Credentials

You are required to wear your name badge at all time. Use of a badge by a person not named on the badge is grounds for confiscation.

Venue

NSG2022 is held at Crowne Plaza Belgrade. This modern venue is in the heart of the New Belgrade business district, within 10 minutes' drive from the main city centre attractions, like the Belgrade Fortress, and 15 minutes' drive from the Belgrade Nikola Tesla Airport.

Crowne Plaza Belgrade

Vladimira Popovića 10
Belgrade 11070
Serbia

Health & Safety

A health and safety leaflet is integrated in your badge. It provides information regarding health and safety during the event. First Aid locations are available throughout the venue.

In case of emergency, always follow the instructions given by the staff of the venue and/or emergency services. Use the emergency exits to leave the building. Stay calm and avoid panic.

Catering

Coffee/tea breaks are included in the registration fee for all registered delegates and will be served at the Exhibition. For any questions, please go to the Registration & Helpdesk.

Wi-Fi

You will have free access to Wi-Fi throughout the venue.

Virtual Platform Access

EAGE's virtual event platform will be the meeting hub of all delegates where everyone can:

- Access to the live-streamed Opening Session, Technical Programme and Closing Session
- Network with peers worldwide through the networking functionalities
- Rewatch recorded sessions during and after the event
- And more!

To access the virtual event platform, you need to use the automatic login link EAGE sent to you. If you cannot see or click on the automatic login link, we have also sent you a plain link, for which you need to login with the Username & PIN communicated to you previously.

Social Media

Stay connected with EAGE through our social media channels on Facebook, LinkedIn and Twitter, and join the conversation with **#NSG2022**.

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**BENEFIT FROM A DISCOUNTED
FEE BY SIGNING UP BEFORE
31 OCTOBER 2022!**



GET 2022

3RD EAGE GLOBAL ENERGY TRANSITION
CONFERENCE & EXHIBITION

7-9 NOVEMBER 2022 • THE HAGUE, THE NETHERLANDS

TOPICS

- OFFSHORE WIND ENERGY
- CCUS
- ENERGY STORAGE
- GEOTHERMAL ENERGY
- INTEGRATION
- SOLUTIONS & SOCIETY
- CROSS-USES OF SKILLS AND TECHNIQUES
- ENVIRONMENT & SUSTAINABILITY
- GEORESOURCES IN THE FUTURE

**EXPLORE THE FUTURE
OF ENERGY TRANSITION!**

Schlumberger



EAGEGET.ORG

Highlights of the Week



Opening Session

Monday 19 September | 09:45-11:00

Location: Room A

Join us for the Opening Session where we will kick off the event by exploring the future of the Near Surface Division and the continued sustainability of the wider near surface-related field.

Field Demonstrations

Tuesday 20 September | 15:20-17:00

Location: in front of the venue main entrance

All delegates are invited to attend the special exhibits presented to you by our exhibitors in an informal setting. Enjoy a pleasant afternoon while the most cutting-edge products in near surface technology are put to the test in front of you. The field demonstrations are held just outside the venue.

Closing Session

Wednesday 21 September | 17:15-18:00

Location: Room A

Join us as we look into the takeaways of this year's Near Surface Geoscience, and what's awaiting you in next year's edition.

Social Programme

Icebreaker Reception

Monday 19 September | 17:30-19:30

Location: Exhibition

Meet with exhibitors, catch up with your colleagues and expand your network while enjoying delicious finger food and drinks.

Conference Evening

Tuesday 20 September | 19:30-23:30

Location: Kalemeganska Terasa (Belgrade Fortress)

Join us for an informal evening with dinner and dancing with your colleagues. **Make sure you pick up your conference evening invitation and ribbon at the Registration & Helpdesk in the conference venue!**

Exhibition

We welcome all delegates to the Exhibition; the central meeting place at NSG2022 running parallel to all three parallel meetings. Come and meet with exhibitors, learn about new technology and products, expand your network and see the future of the near surface field!

Opening Hours

Monday 19 September	11:00-19:30
Tuesday 20 September	09:00-17:00
Wednesday 21 September	09:00-16:00

EAGE Community Hub

The EAGE Community Hub #51 is the one-stop-shop for all that EAGE has to offer. Come by to meet the people behind our communities, membership, student activities and much more.

Mentoring Programme

Monday 19 September | 13:00-14:00

Tuesday 20 September

10:30-11:00 & 13:00-14:00

Mentoring is a great way to learn for both the mentee and the mentor! Pass by the EAGE Community Hub to learn more and sign up for the 2022-2023 EAGE Mentoring Programme!

CV Advice

Tuesday 20 September

10:30-11:00 & 13:00-14:00

Stand out from the crowd! Get advice on effective ways to create a strong CV.

Exhibition Tour

Tuesday 20 September | 12:00-13:00

Meet a selection of exhibiting companies and find out what they have in store. Participating is the perfect way to get better acquainted with the industry.

**Starting point: EAGE Community Hub*

Technical Programme at a Glance

The technical programme consists of oral and poster presentations on a broad range of near surface related topics. Technical Programme information is accurate as of 30 August 2022. For the most up-to-date information, please refer to the Event App or website www.NSG2022.org.

MONDAY - 19 SEPTEMBER 2022					
28 TH EUROPEAN MEETING				4 TH MINERAL EXPLORATION AND MINING	3 RD AIRBORNE, DRONE & ROBOTIC
	Room A	Room B	Poster Area	Room C	Room D
09:45	Opening Session				
11:00	Coffee Break				
11:30	SPECIAL SESSION: Applied Geophysics Case Studies from the Balkans	Modeling, Inversion and Data-Processing in Near-Surface Geophysics I		Seismic Methods in Mineral Exploration I	KEYNOTE: Airborne, Drone & Robotic Geophysics
12:50	Lunch Break				
14:00	Geophysics in Studies for Geothermal Energy and CO2 Storage	Environmental Geophysics - Geohazard and Anthropogenic Hazard Studies I	POSTER: 28 th European Meeting Combined	Rock Physics of Mineral Deposits I	Airborne EM Technology
15:20	Coffee Break				
15:50	Best of SAGEEP - Online only	Modeling, Inversion and Data-Processing in Near-Surface Geophysics II	POSTER: Applied Geophysics Case Studies from the Balkans	Ground, Borehole, and Airborne IP Methods	Data Integration & 3D Modelling
17:30	Icebreaker Reception				

TUESDAY - 20 SEPTEMBER 2022					
28 TH EUROPEAN MEETING				4 TH MINERAL EXPLORATION AND MINING	3 RD AIRBORNE, DRONE & ROBOTIC
	Room A	Room B	Poster Area	Room C	Room D
09:00	Geophysics in Engineering Geology and Geo-Technical Investigations I	New Technologies, Developments and Research Trends	POSTER: Groundwater Exploration and Hydrogeophysics	Geophysical Methods in Mining Engineering	Drone EM Technology
10:40	Coffee Break				
11:10	Archaeogeophysics	Modeling, Inversion and Data-Processing in Near-Surface Geophysics III		ERT, IP and HEM Methods	General Drone Technology, Including Magnetics & Remote Sensing
12:50	Lunch Break				
14:00	Groundwater Exploration and Hydrogeophysics I	Modeling, Inversion and Data-Processing in Near-Surface Geophysics IV	POSTER: Geophysics in Engineering Geology and Geo-Technical Investigations	Seismic Methods in Mineral Exploration II	
15:20	FIELD DEMONSTRATIONS				
19:30	Conference Evening				



WEDNESDAY - 21 SEPTEMBER 2022

28 TH EUROPEAN MEETING				4 TH MINERAL EXPLORATION AND MINING	
Room A		Room B	Poster Area	Room C	Room D
09:00	Geophysics in Engineering Geology and Geo-Technical Investigations II	Environmental Geophysics - Geohazard and Anthropogenic Hazard Studies II	POSTER: Modeling, Inversion and Data-Processing in Near-Surface Geophysics	AI and Machine Learning in Mineral Exploration and Mining	General Session I
10:40	Coffee Break				
11:10	Integrated Approaches in Near-Surface Geophysics	Modeling, Inversion and Data-Processing in Near-Surface Geophysics V	POSTER: Environmental Geophysics - Geohazard and Anthropogenic Hazard Studies	Seismic Methods in Mineral Exploration III	General Session II
12:50	Lunch Break				
14:00	Geophysical Investigations in Karst Terrains	Modeling, Inversion and Data-Processing in Near-Surface Geophysics VI		Rock Physics of Mineral Deposits II	Best of KEGS - Online only
15:20	Coffee Break				
15:50	Groundwater Exploration and Hydrogeophysics II			JOINT SESSION with Airborne Drone & Robotic Geophysics: Airborne EM for Mineral Exploration & Mining	
17:15	Closing Session				

EAGE Event App

Make your attendance even better with the EAGE Event App! By downloading the App you can:

- Access the extended abstracts
- View live sessions online
- View the list of exhibitors
- Network with fellow delegates
- Find travel advice, social programme information
- And more!

Scan the appropriate QR code for your device to download the App.



IOS



Android

The NSG2022 App is sponsored by Intelligent Resources Inc.

NSG2022 Papers on EarthDoc and the Event App

EarthDoc is EAGE's online geoscience database and enables you to browse through thousands of event papers and journal articles online. EAGE members have free access to EarthDoc.

The event papers of the three meetings are available online. Go to www.earthdoc.org and log in with your EAGE membership credentials. If you are yet to be processed as an EAGE member, you can also access the papers via the Event App.

Thanks to...

All our reviewers and technical committees of all three parallel meetings, for their immeasurable assistance in preparing the technical programme of NSG2022. A big thank you to our Local Advisory Committee for the valuable input and constant support, as well as to everyone chairing a session, convening a workshop and leading a field trip. Without the help of our volunteers and community, EAGE would not be able to continue to expand and improve on enriching events, such as NSG2022.



Sponsors

(as of 30 August 2022)

Main Sponsor



Event App



List of Exhibitors

(as of 30 August 2022)

Aarhus Geoinstruments	45
Abitibi	39
Advanced Geosciences Europe S.L.	30
ALT	31
DMT	31
EAGE Community Hub	51
EEGS	24
EIWT	38
EMergo sri	35
Geodevice	34
Geofizika d.o.o. Ljubljana	29
Geolitic Technologies Inc	12
Geometrics Inc.	6
Geonics	14
Geopartner Geofizyka	7
Geotomographie GmbH	23
Geovista Ltd	27
I•GIS	28
ImpulseRadar Sweden AB	44
IRIS Instruments	22
Kontur	13
Loupe Geophysics Pty Ltd	37
Parallel Geoscience	26
Scientific-Technological Center NIS-Naftagas	50
Seequent	36
Sensys	11
SkyTEM Surveys ApS	9
SmartSolo Inc.	32
SPH Engineering	10

Contact

For further up-to-date information, please check our website www.NSG2022.org, the Event App, or contact EAGE staff at the Registration & Helpdesk or at the EAGE Community Hub #51.



Workshops

Workshop 1: 2D and 3D Seismic Data Processing Focused on the Near Surface

Sunday 18 September | 09:00-17:00

In this workshop you will learn how to process several types of near surface seismic data: 2D and 3D High-resolution Seismic Data; Combined Reflection/Refraction Processing, and Marine Ultra High Resolution Seismic.

Workshop 2: Geotechnical Applications of Geosciences

Sunday 18 September | 09:00-17:00

This workshop is designed to enhance the collaboration between geosciences and ground/geotechnical engineering. Join and learn about physical properties and geotechnical parameters, GPR for airfield pavement investigation, the use of geophysical survey in geotechnical engineering practice, and more.

Field Trips

Field Trip 1: Geoscientists at Walk - Witchery of the Old Fortress

Wednesday 21 September | 18:00-22:00

We will start from Kalemegdan Fortress, visiting the natural monument - the profile of the marine Neogene sandbank - where a true natural rarity and the unique remnant of the Mediterranean phase is represented. We will continue with discovering the underground at Kalemegdan Fortress where the most hidden secrets of this city are revealed.

Field Trip 2: Western Serbia - A Never-ending Story

Thursday 22 & Friday 23 September | 08:00-20:00

Go on a two-day trip by bus, boat and train with steam locomotive at the Europe's most attractive narrow gauge museum railway, Šargan Eight. You will learn a lot about the geological diversity and heritage of Serbia, together with discover magnificent nature, monasteries, archaeological sites, wineries, and ethno villages.

Please check the event App and website for all updates on Workshops and Field Trip schedules.

REGISTRATION FOR FIELD TRIPS WILL DEPEND ON PARTICIPATION AND TICKET AVAILABILITY. ASK OUR STAFF AT THE REGISTRATION & HELPDESK FOR DETAILS.

EAGE

INCLUDING



CALL FOR ABSTRACTS IS OPEN!

**SUBMIT YOUR PAPERS
BEFORE 15 JANUARY 2023**

2023

**EAGE
ANNUAL**


84TH CONFERENCE & EXHIBITION

VIENNA | AUSTRIA




**SECURING A
SUSTAINABLE FUTURE
TOGETHER**



5-8 JUNE 2023
EAGEANNUAL.ORG



SEE YOU NEXT YEAR IN EDINBURGH!

#NSG2023   

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