XI INTERNATIONAL GEOMECHANICS CONFERENCE

16 – 20 September 2024
Astera Hotel & SPA, Golden Sands Resort
Bulgaria
Dear Ladies and Gentlemen,

Dear colleagues,

I am pleased to invite you on behalf of the Organizing Committee and personally on my behalf to take part in the **XI International Geomechanics Conference**, which will be held from 16 to 20 September 2024 in the Astera Hotel & SPA, Golden Sands Resort, Bulgaria.

This year's edition of the conference is the eleven, organized from over 25 years and this once again proves the authority and importance of this scientific forum. The main theme of the conference is New challenges of geomechanics.

The topics of the conference include the full range of fundamental issues on physical and mechanical properties of rocks, stress and strain of rock mass, measurement in geomechanics and remote methods, stability assessment, blasting and seismic impacts, dynamic rock pressure tests, ecology and environmental protection, education. We hope that the thematic topics will provoke your interest again and will be a precondition for many discussions.

The discussion during the conference of the research results will allow for the application of geomechanical methods related to the development and use of underground space in the mining industry, construction, industrial and public buildings, transport facilities and others.

With your participation in the forum you will contribute to raising the scientific level of the **XI International Geomechanics Conference** and strengthening business and personal contacts.

We look forward to seeing you at the XI International Geomechanics Conference!

**Assoc. Prof. Dr. Eng. Kremena Dedelyanova**
Chairperson of the Scientific and technical union of mining, geology and metallurgy
Organizers

Scientific and Technical Union of Mining, Geology and Metallurgy

Federation of the Scientific Engineering Unions in Bulgaria

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- University of Mining and Geology "St. Ivan Rilski"
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- University of Chemical Technology and Metallurgy
- Geological Institute, Bulgarian Academy of Sciences
- University of Transport "Todor Kableshkov"
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With media partners

Journal Mining and Geology
Journal Geology and Mineral Resources
Newspaper Rudnichar
Publishing house Ore and Metals, Russia
Newspaper Science and Society
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University of Mining and Geology St. Ivan Rilski
University of Mining and Geology St. Ivan Rilski
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Prof. Kemal Cetin - Turkey
Prof. Garri Litvinskii - Ukraine
Topics
1. Physical and mechanical properties of rocks and soils.
2. Stress and strain state of rock mass and soils. Interaction between rock mass and engineering structures.
5. Geotechnical research and geostructures.
7. Education and qualification.

Instruction to the authors

Abstracts
- Abstracts must be in English and limited to 100 words. Text must be in Arial Narrow, 12 pt, Italic.
- Deadline for submission of abstracts – 30. 04. 2024

Papers
- Volume – up to 8 standard pages, A4 Format (210x297mm), including figures, tables and references with margins: top – 30 mm, bottom, left and right – 20 mm. Papers will be at one of official languages – Bulgarian, English, Russian;
- Font of main text – Arial Narrow, 12 pt., line spacing Single Space.
- Title – centered, bold capital letters, 12 pt. Below the title follows names of author/s, address, affiliation, position and E-mail address;
- Subtitles in text – centered and underlined;
- Figures – black-and white computer graphics placed in the respective position within the text field.
- Color figures and pictures are not accepted!
- Tables – numbered on the right (font size 10 pts, italic);
- Formulae – numbered on the right of the formula (in brackets);
- Measurement units – according to the International System of Units (SI);
- Notes – marked by stars (*) in text and placed in the bottom of the respective page;
- References – in the text of the report the references must be in brackets. At the end of the report the references are arranged in alphabetical order, numbered.
- Deadline for submission of papers – 1. 07. 2024

Two papers for one author are allowed.

Duration of the paper presentation:
- Plenary paper – 15 min.
- Oral presentation – 12 min.

Please send the papers by e-mail in DOC format!

You can publish your paper (up to 2 papers per author) in IOP Conference Series: Earth and Environmental Science indexed in Scopus, Web of Science and others. All papers must within the IOP EES scope (https://iopscience.iop.org/journal/1755-1315/page/scope). Papers for IOP publishing must follow the journal guidelines (https://publishingsupport.iopscience.iop.org/author-guidelines-for-conference-proceedings/).

Participation types/forms
- Plenary sessions;
- Exhibition;
- Company presentation-
- Oral presentation;
- Discussion;
- Business meeting.
**Official languages**

The official languages of the conference will be **Bulgarian, English and Russian**. Simultaneous translation will be provided.

**Registration desk**

The registration desk is going to be situated in the lobby of the Astera Hotel & SPA, Golden Sands Resort, Bulgaria. It is going to be open on 16 September 2024 from 10:00 to 19:00 h. Conference time is scheduled from 09:00 to 15:00 h.

**Registration fee (EURO)**

<table>
<thead>
<tr>
<th></th>
<th>Before 1.08.2024</th>
<th>After 1.08.2024</th>
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<tbody>
<tr>
<td><strong>Author</strong></td>
<td>250</td>
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<tr>
<td><strong>Author (IOP)</strong></td>
<td>400</td>
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<td><strong>Second paper (IOP)</strong></td>
<td>200</td>
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<tr>
<td><strong>Participant without paper</strong></td>
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<td>400</td>
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<tr>
<td><strong>Exhibitor</strong></td>
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<td>400</td>
</tr>
<tr>
<td><strong>Student, PhD student</strong></td>
<td>100</td>
<td>-</td>
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The registration fee includes admission to plenary sessions and exhibition, materials of the conference including Proceedings volume, Welcome cocktail, coffee and drinks during the coffee breaks, Gala dinner.

The registration fee Author (IOP) includes publishing in the IOP Conference Series: Earth and Environmental Science.

Students and PhD students are not going to receive the Proceedings volume.

Students and PhD students willing to publish their articles must provide a reference letter by academic rank scientists.

Only articles by authors who paid their registration fee until August 1, 2024, are going to be published.

**Exhibition and advertising**

Companies and organizations can advertise their products and activities during the conference at an exhibition in the lobby of the Astera Hotel & SPA. The fee for the exhibition is 150 EURO/m² (minimum exhibition area - 2 m²). Exhibitors pay Exhibitor registration fee too.

Advertising during the conference is possible in the form of a company presentation – price 80 EURO/min.

Advertising in the Proceedings volume is possible at the cost of 1000 EURO - Color / Format A4.
**Hotel accommodation (BGN)**

<table>
<thead>
<tr>
<th>Hotel</th>
<th>Single room</th>
<th>Double room</th>
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</thead>
<tbody>
<tr>
<td>Astera Hotel &amp; SPA ****</td>
<td>170</td>
<td>230</td>
</tr>
<tr>
<td>standard room</td>
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</table>

The accommodation is on the base Ultra All Inclusive. Booking of the room in the hotel will be provided after receiving the filled registration form on e-mail address: mdgm@fnts.bg until 1 August 2024. Payment for accommodation will be possible at the hotel reception on the registration day.

**Payment**

Bank transfer at the following accounts:

**Scientific and technical union of mining, geology and metallurgy**

**XI International geomechanics conference**

**UniCredit BULBANK**

1000, Sofia, BULGARIA

BIC - UNCRBGSF

* BGN: BG41UNCR76301022561959
* EURO: BG55UNCR76301422597370

**IMPORTANT DATES**

<table>
<thead>
<tr>
<th>Deadline for receipt of abstracts</th>
<th>30.04.2024</th>
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<tr>
<td>Deadline for receipt of paper</td>
<td>01.07.2024</td>
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<tr>
<td>Deadline for receipt of registration form and paid fees</td>
<td>1.08.2024</td>
</tr>
</tbody>
</table>

**Address for correspondence:**

Scientific and technical union of mining, geology and metallurgy

BULGARIA, 1000 Sofia, 108, Rakovski Str.

Phone: ++359 2 986 13 79; E-mail: mdgm@fnts.bg

nts_mdgm@abv.bg

Assoc. Prof. Dr. Eng. Kremena Dedelyanova – Chairperson, Scientific and technical union of mining, geology and metallurgy

Dr. Krassimira Arsova – Scientific and technical activities, Scientific and technical union of mining, geology and metallurgy

www.mdgm.org

http://confgeomech.mdgm.org/
REGISTRATION FORM

XI International geomechanics conference

16 - 20 September 2024
Astera Hotel & SPA,
Golden Sands Resort
BULGARIA

Title, name and family name ..........................................................................................................................................

Address ........................................................................................................................................................................

Phone: ..................................Fax: ..................................E-mail:............................................................

I wish to participate:  ☐ with a paper  ☐ with a paper IOP  ☐ without a paper
☐ with firm presentation  ☐ as an exhibitor on  sq. m area

I use:  ☐ Bulgarian  ☐ English  ☐ Russian

I will accept accommodation in hotel for 16, 17, 18 and 19 September 2024

Astera Hotel & SPA  ☐ single room,  ☐ double room ;

I have transferred the following amounts:

................................. EURO / Registration fee
................................. EURO / for advertisement
................................. EURO / for exhibition on .......... m²
................................. EURO / for firm presentation

Total: ...........................  EURO

The transfer is made on the address:

Scientific and technical union of mining, geology and metallurgy
UniCredit Bulbank
1000, Sofia, BULGARIA
BIC - UNCRBGSF
*  EURO: IBAN – BG55UNCR76301422597370

DATE .........................  SIGNATURE:.................................................................

The registration form for participation is expected to be submitted to the Organizing Committee by e-mail mdgm@fnts.bg until 1 August 2024.
XI INTERNATIONAL GEOMECHANICS CONFERENCE

16 – 20 September 2024
Astera Hotel & SPA, Golden Sands Resort, Bulgaria