

**Dear Ladies and Gentlemen,  
Dear Colleagues,**

I have the pleasure, on behalf of the Organizing Committee and personally on my own behalf, to invite you to take part in the **XII International Geomechanics Conference**, which will be held in the period 7–11 September 2026 at the Astor Garden Hotel, Sts. Constantine and Helena Resort, Varna, Bulgaria.

This year's edition of the conference is the twelfth, and the conference has been held for more than 27 years, which proves the authority and significance of this scientific forum. The theme of the conference this year is "Geomechanics in a Changing Engineering Environment".

The conference topics include the entire spectrum of fundamental issues related to the physical and mechanical properties of rocks and soils, the stress–strain state of rock massifs and soils, measurements in geomechanics and remote methods, stability assessment, blasting and seismic impacts, dynamic manifestations of rock pressure, ecology and environmental protection, and artificial intelligence. We hope that the thematic areas will once again attract your interest and will serve as a basis for numerous discussions.

The discussion of research results during the conference will provide opportunities 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 enhancing the scientific level of the **XII International Geomechanics Conference** and to strengthening business and personal contacts.

We look forward to meeting you at the **XII 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

## **Co-organizers**

- University of Mining and Geology "St. Ivan Rilski"
- University of Architecture, Civil Engineering and Geodesy
- University of Chemical Technology and Metallurgy
- Geological Institute, Bulgarian Academy of Sciences
- Todor Kableshkov University of Transport
- Lyuben Karavelov Higher School of Construction
- Bulgarian Mining and Geological Chamber
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- Bulgarian Coal Mining Association
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## **With media partners**

Journal Mining and Geology

Journal Geology and Mineral Resources

Newspaper Rudnicar

Newspaper Science and Society

## **Organizing committee**

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Assoc. Prof. Dr. Eng. Kremena Dedelyanova      Chairperson, Scientific and Technical Union of Mining, Geology and Metallurgy

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Prof. DSc. Eng. Tzolo Voutov      Honorary Chairman, Scientific and Technical Union of Mining, Geology and Metallurgy  
Chairman, National Committee of Rock Mechanics

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Assoc. Prof. Dr. Arch. Gichka Kutova-Kamenova      Rector, University of Architecture, Civil Engineering and Geodesy

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M.Sc. Eng. Shteryo Shterev      Vice Chairman, Scientific and Technical Union of Mining, Geology and Metallurgy

### **Scientific Secretaries:**

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Dr. Eng. Georgi Dachev      Ministry of Energy

Dr. Krassimira Arsova      Scientific and Technical Union of Mining, Geology and Metallurgy

### **Members:**

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Dr. Eng. Nevena Babunska      University of Transport "Todor Kableshev"  
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Dr. Eng. Ivan Vutov      Chairman of the Board of Directors, Geotradings JSCo.  
Prof. DSc. Eng. Nikolay Valkanov      Chairman of the Board of Directors, Minstroy holding JSCo.

Prof. Dr. Eng. Iliya Garkov      Executive Vice President and Chief Operating Officer, DPM Metals

M.Sc. Eng. Ivan Kozuharov      Executive Director, Eurotest-Control JSCo.  
Assoc. Prof. Dr. Eng. Ivan Mitev      Executive Director, Bulgarian Chamber of Mining and Geology

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Prof. Dr. Eng. Pavel Pavlov      University of Mining and Geology St. Ivan Rilski

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Assoc. Prof. Dr. Eng. Dimitar Peshev      Vice-Rector, University of Chemical Technology and Metallurgy

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Todor Todorov      Executive Director, Maritza-Iztok Mines JSCo.

Prof. Dr. Eng. Stanislav Topalov      Chairman, Association Bulgarian Coal Mining  
M.Sc. Eng. Kostadin Hristov      Executive director, Minproekt JSCo.

M.Sc. Eng. Yassen Chaushev      Maritza-Iztok Mines JSCo.

### **National editorial committee**

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Prof. Dr. Krastyo Dermendzhiev  
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Dr. Eng. Maria Topalska  
Prof. Dr. Andrey Totsev

### **International Advisory Committee**

|                            |                   |
|----------------------------|-------------------|
| Academician Victor Prushak | - Belarus         |
| Prof. Ivan Vrkljan         | - Croatia         |
| Assoc. Prof. Petr Konicek  | - Czech Republic  |
| Prof. Lumir Mica           | - Czech Republic  |
| Prof. Conrad Boley         | - Germany         |
| Dr. Michael Bardanis       | - Greece          |
| Prof. Ákos Török           | - Hungary         |
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| Prof. Jana Frankovska      | - Slovakia        |
| Assoc. Prof. Joze Kortnik  | - Slovenia        |
| Prof. Vojkan Jovičić       | - Slovenia        |
| Prof. Ersin Arioglu        | - Turkey          |
| Prof. Resat Ulusay         | - Turkey          |

## Topics

1. **Physical and mechanical properties of rocks and soils.**
2. **Stress and strain state of rock massifs and soils. Interaction between massifs and structures.**
3. **Measurements in geomechanics. Contact and remote methods. Monitoring.**
4. **Stability assessment. Dynamic impacts. Manifestations of rock pressure. Probabilistic approach. Hazard and risk in geomechanics. Artificial intelligence.**
5. **Environmental protection. Sustainable development. Geotechnical aspects of cultural heritage.**

## Instruction to the authors

### Abstracts

- Abstracts must be in English and limited to 100 words. The text must be in Arial Narrow, 12 pt, Italic.

**Deadline for submission of abstracts – 30 April 2026**

### Papers

- **Length** – up to 8 standard pages, A4 format (210 × 297 mm), including figures, tables, and references, with margins: top – 30 mm, bottom, left, and right – 20 mm. Papers may be in one of the official languages – Bulgarian, English, or Russian;
- **Font** of the main text – Arial Narrow, 12 pt, line spacing single.
- **Title** – centered, bold, capital letters, 12 pt. Below the title follow the names of the 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 pt, 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 the text and placed at the bottom of the respective page;
- **References** – in the text of the paper, references must be in brackets. At the end of the paper, the references are arranged in alphabetical order and numbered.

**Deadline for submission of papers – 1 July 2026**

**Up to two papers per author are allowed.**

**Duration of Paper Presentation:**

- Plenary paper – 20 min.
- Oral presentation – 15 min.

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

**Authors may publish their papers (up to two papers per author) in IOP**

**Conference Series: Earth and Environmental Science, indexed in Scopus. All**

**papers must be within the scope of IOP EES**

**(<https://iopscience.iop.org/journal/1755-1315/page/scope>). Papers intended for IOP publication must follow the journal guidelines**

**(<https://publishingsupport.iopscience.iop.org/author-guidelines-for-conference-proceedings/>) and must follow IOP ethical guidelines:**

**<https://publishingsupport.iopscience.iop.org/ethical-policy-journals/>. All IOP papers must be presented at the conference. IOP papers are not published in the conference proceedings.**

### **Participation types/forms**

- Plenary sessions;
- Exhibitions;
- Company presentations;
- Thematic sessions;
- Round-table discussions;
- Business meetingc.

### **Official languages**

The official languages of the conference are **Bulgarian and English**. Simultaneous interpretation will be provided.

### **Registration desk**

The registration desk will be located in the lobby of the Astor Garden Hotel and will be open on 7 September 2026 from 10:00 to 19:00, and during the conference from 09:00 to 15:00.

### **Registration fee (EURO)**

|                                  | <b>Before<br/>1.08.2026</b> | <b>After<br/>1.08.2026</b> |
|----------------------------------|-----------------------------|----------------------------|
| <b>Author</b>                    | <b>250</b>                  | <b>-</b>                   |
| <b>Author (IOP)</b>              | <b>400</b>                  | <b>-</b>                   |
| <b>Second paper (IOP)</b>        | <b>200</b>                  | <b>-</b>                   |
| <b>Participant without paper</b> | <b>350</b>                  | <b>400</b>                 |
| <b>Exhibitor</b>                 | <b>350</b>                  | <b>400</b>                 |
| <b>Student, PhD student</b>      | <b>100</b>                  | <b>-</b>                   |

**The registration fee** includes admission to plenary sessions and the exhibition, conference materials including the Proceedings volume, coffee breaks, and the gala cocktail.

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

Students and PhD students wishing to publish their articles must provide a reference letter from an academic staff member.

Only articles by authors who have paid their registration fee by 1 August 2026 will be published.

### **Exhibition and advertising**

Companies and organizations may advertise their products and activities during the conference at an exhibition in the lobby of the Astor Garden Hotel. The exhibition fee is 150 EUR/m<sup>2</sup> (minimum exhibition area – 2 m<sup>2</sup>). Exhibitors must also pay the **Exhibitor registration fee**.

Advertising during the conference is possible in the form of a company presentation up to 15 minutes – fee 500 EUR.

Advertising in the Proceedings volume is possible at a cost of 500 EUR – color, A4 format.

### **Hotel Accommodation (EUR)**

| <b>Hotel</b>                             | <b>Single room</b> | <b>Double room</b> |
|--|--------------------|--------------------|
| <b>Astor Garden Hotel *****<br/>Park</b> | <b>123</b>         | <b>85,5</b>        |
| <b>Astor Garden Hotel *****<br/>Sea</b>  | <b>143</b>         | <b>95,5</b>        |

The accommodation includes bed, breakfast, and dinner.  
Check-in is after 15:00 h.

Hotel room booking will be arranged after receipt of the completed registration form sent to the e-mail address: **mdgm@fnts.bg**, no later than **1 August 2026**.

Payment for accommodation will be made at the hotel reception on the registration day.

### **Payment**

Payment by bank transfer to the following account:

**Scientific and Technical Union of Mining, Geology and Metallurgy**

**XII International Geomechanics Conference**

**UniCredit BULBANK**

**1000, Sofia, BULGARIA**

**BIC - UNCRBGSF**

\* **EUR: BG41UNCR76301022561959**

### **IMPORTANT DATES**

|  |                      |
|--|----------------------|
| <b>Deadline for receipt of abstracts</b>                       | <b>30 April 2026</b> |
| <b>Deadline for receipt of papers</b>                          | <b>1 July 2026</b>   |
| <b>Deadline for receipt of registration form and paid fees</b> | <b>1 August 2026</b> |

### **Address for correspondence:**

**Scientific and Technical Union of Mining, Geology and Metallurgy**

**108 Rakovski Str., 1000 Sofia, BULGARIA**

**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://www.mdgm.org)**

**<http://confgeomech.mdgm.org/>**

## REGISTRATION FORM

### XII International geomechanics conference

7 - 11 September 2026  
Astor Garden Hotel,  
Sts. Constantine and Helena Resort  
Varna, BULGARIA

Title, name and family name .....

.....

Address .....

.....

Phone: ..... 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 will accept accommodation in hotel for 7, 8, 9 and 10 September 2026

Astor Garden Hotel Park ☐ single room, ☐ double room ;

Astor Garden Hotel Sea ☐ single room, ☐ double room.

I have transferred the following amounts:

..... EURO / Registration fee

..... EURO / for advertisement

..... EURO / for firm presentation

..... EURO / for exhibition on ..... m<sup>2</sup>

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 – BG41UNCR76301022561959

DATE .....

SIGNATURE:.....

The registration form for participation is expected to be submitted to the Organizing Committee by e-mail [mdgm@fnts.bg](mailto:mdgm@fnts.bg) until 1 August 2026.