

SCIENTIFIC AND TECHNICAL
UNION OF MINING, GEOLOGY
AND METALLURGY



FEDERATION OF
THE SCIENTIFIC ENGINEERING
UNIONS IN BULGARIA



**IVth INTERNATIONAL GEOMECHANICS
CONFERENCE**

**THEORY AND PRACTICE
OF GEOMECHANICS
FOR EFFECTIVENESS
THE MINING PRODUCTION AND
THE CONSTRUCTION**

3-6 June 2010

**International House of Scientists "Fr. J. Curie"
Resort "St. St. Constantine and Elena", Varna, Bulgaria**

ПОКАНА

Българският национален организационен комитет на IV^{-та} международна конференция по геомеханика най-сърдечно кани учени, ръководители, изследователи и специалисти да участвуват в конференцията **“Теория и практика на геомеханиката за ефективност на минното производство и строителството”**. Конференцията ще се проведе на **3 – 6 юни 2010 г.** в Международния дом на учените «Фр. Ж. Кюри», к.к. «Св. Св. Константин и Елена», гр. Варна.

Участниците в конференцията ще имат възможност да вземат участие в обсъждането на докладите, да се срещнат с познати колеги, да осъществят нови лични и делови контакти, да обменят научен и практичен опит по геомеханични методи в минната промишленост и подземното гражданско и тунелно строителство, да се наслаждават на българското Черноморие.

Добре дошли!

INVITATION

The Bulgarian National Organizing Committee of the IVth International Geomechanics Conference has the pleasure to invite scientists, leaders, researchers and specialists to participate in the conference **“Theory and practice of geomechanics for effectiveness the mining production and the construction”**. The Conference will be held **from 3 to 6 June 2010**, at International House of Scientists “Fr. J. Curie”, Resort “St. St. Constantine and Elena”, Varna, Bulgaria.

The participants will have the opportunity to discuss the papers, to meet colleagues and to make new acquaintances, to exchange scientific and practical experience in geomechanical methods in mining and the underground civil engineering and tunnel construction, to enjoy the Resort “St. St. Constantine and Elena”, Varna.

Welcome in Bulgaria!

ПРИГЛАШЕНИЕ

Болгарский Национальный организационный комитет IV^{-ой} Международной конференции по геомеханике сердечно приглашает ученых, руководителей, исследователей и специалистов участвовать в конференции **“Теория и практика геомеханики для эффективности горного производства и строительства”**. Конференция будет проведена **с 3 по 6 июня 2010 г.** в Международном доме ученых “им. Фр. Ж. Кюри”, к.к. “Св. Константин и Елена”, г. Варна, Болгария.

Участникам конференции будет предоставлена возможность принять участие в обсуждении докладов, встретиться с коллегами, осуществить новые личные и деловые контакты, обменяться научным и практическим опытом по геомеханическим методам в горной промышленности и подземном гражданском и тунельном строительстве, насладиться болгарским Черноморьем.

Добро пожаловать в Болгарию!

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"
- Bulgarian chamber of mining and geology
- Union of civil engineering
- Union of surveyors and land managers in Bulgaria
- University of Architecture, Civil Engineering and Geodesy
- "Assarel Medet" JSCo
- Maritza-Iztok Mines JSCo.
- "Ellatzite-med" JSCo.
- "Geotechmin" Ltd.
- "Antech TFA" Ltd.
- "Metrostroy" JSCo.
- "Glavbolgarstoy" JSCo.
- "Minproekt" JSCo.
- "Niproruda" JSCo.
- "Gips" JSCo.
- "Geostabil" SD
- Association "Bulgarian Coal mining"
- "Chelopech Mining" EAD
- "Hemus" JSCo.

Organizing committee

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Dr. Eng. Tzolo Voutov

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

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Prof. DSc Nikolai Nikolaev

Chairman of the National Committee of Rock mechanics

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Vice-chairman, Scientific and technical union of mining, geology and metallurgy

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Vice-Rector, University of mining and geology "St. Ivan Rilski"

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Secretary general, Scientific and technical union of mining, geology and metallurgy

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Chief of Department, University of mining and geology "St. Ivan Rilski"

Assoc. Prof. Dr. Veliko Parushev

"Antech TFA" Ltd.

Assoc. Prof. Dr. Dimitar Anastasov

University of mining and geology "St. Ivan Rilski"

Head assistant Juliyan Dimitrov

University of mining and geology "St. Ivan Rilski"

Organizer:

Dr. Krassimira Arsova

Scientific and technical union of mining, geology and metallurgy

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Dr. Eng. Nikolai Valkanov

Chairman of the National committee of mine surveying

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Mag. Eng. Jossif Leviev

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Prof. DSc. Eng. Kolyo Kolev

University of mining and geology "St. Ivan Rilski"

Prof. Dr. Krastyo Dermendziev

University of mining and geology "St. Ivan Rilski"

Prof. Dr. Slavcho Lazarov

University of mining and geology "St. Ivan Rilski"

Prof. Dr. Georgi Mihaylov

University of mining and geology "St. Ivan Rilski"

Assoc. Prof. Dr. Hristo Milkov

"Geostabil" SD

Assoc. Prof. Dobrin Denev

Rector, University of architecture, building and geodetics

Prof. Dr. Rumén Guglev

General manager, NISI

Mag. Eng. Huben Hubenov

Executive director, "Minproekt" JSCo.

Dr. Eng. Vladimir Genevski

Vice-chairman, Scientific and technical union of mining, geology and metallurgy

Dr. Eng. Konstantin Georgiev

Honorary member of the ISM

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Prof. Richard Widmann	- Austria
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Prof. S. Vujec	- Croatia

Topics

1. The influence of physics mechanical properties of rocks and a reflection of the mining geological peculiarities to their alteration in the rock mass.
2. Movement and disintegration of rock massifs by mining of minerals and the building of underground and opencast excavation facilities.
3. Prognosis and control of the stress state and profile moving of excavation facilities by mining of minerals and the building.
4. Control of the profile moving of excavation facilities by underground mining of minerals.
5. Determination the influence of dynamic affect on the rock mass in blasting, seismic activities and liable to bursting and sudden release.
6. Geomechanical methods for decision of ecological problems in liquidation and recultivation of the mines. Ecological monitoring.
7. Geomechanical requirements in design and exploitation of excavation facilities. Actuality of the normative base.
8. Education and qualification of geomechanical experts.

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 – 01. 03. 2010

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 1,5 Space.
- **Title** – centred, bold capital letters, 12 pt. Below the title follows names of author/s, address, affiliation, position and E-mail address;
- **Subtitles in text** – centred 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** – the references cited are numbered according to their appearance in the main text and enclosed in brackets [];

Deadline for submission of papers – 30. 04. 2010

Author participation – no more 2 scientific papers.

Duration of the paper presentation:

- Plenary paper – 15 min.
- Oral presentation – 12 min.

Please specify the topic of the papers.

Forms of participation

- Plenary sessions;
- Posters;
- Exhibition and company presentations;
- Oral presentation;
- Discussions;
- Business meetings.

Official languages

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

Registration desk

The registration desk will be situated in the lobby of International House of Scientists "Fr. J. Curie", Resort "St. St. Constantine and Elena", Varna, Bulgaria and will be open on 03 June 2010 from 09⁰⁰ to 19⁰⁰ h and will be work along the conference from 09⁰⁰ to 15⁰⁰ h.

Registration fee (EURO)

	Before 01.05.2010 EURO	After 01.05.2010 EURO
Conference participant	250	300
Accompanying person	100	150
Exhibitor	250	300
Student, PhD student	60	60
Publication of paper *	50	50
Price of conference proceedings	50	50

* **Publication of paper** (50 EURO) must be paid from the participants with more of one paper and also for participants that have publication in the proceeding but have not opportunity to participate in the conference.

The registration fee includes admission to plenary session and exhibition, Proceedings of the conference, Welcome cocktail, coffee break, Gala dinner and 2 lunches (4,5 June 2010).

Accompanying person will not receive the Proceedings of the conference. The publication fee includes postage.

Students and PhD student must be present an opinion from having academic rank scientists.

During the conference will be organized exhibition. In the Proceedings of the conference you have the opportunity to publish firm advertisements. Along the scientific sessions you can present activities your firm or organization.

Exhibition and advertising

During the conference companies and organizations can advertise their products and activities at an exhibition on the lobby of International House of Scientists "Fr. J. Curie". The fee for the exhibition is 120 EURO/m² (minimum exhibition area - 2 m²).

Advertising during the conference is possible in the form of company presentation – price 30 EURO/min.

Advertising in the Proceedings volume is possible at the cost of 800 EURO - Color / Format A4.

Hotel accommodation (BGN)

Hotel	Single room	Bed in double room
International House of Scientists "Fr. J. Curie" *** standard	46	32
International House of Scientists "Fr. J. Curie" *** renovating	66	40

The hotel payment will be realized on the hotel reception. The accommodation will be after 14⁰⁰ h.

Payment

Bank transfer at the following accounts:

Scientific and technical union of mining, geology and metallurgy

IVth International geomechanics conference

UniCredit BULBANK, branch Aksakov

Bulgaria, Sofia, 8, Aksakov Str.

BIC - UNCRBGSF

* **BGN: BG41UNCR76301022561959**

* **EURO: BG55UNCR76301422597370**

IMPORTANT DATES

Deadline for receipt of abstracts	01. 03. 2010
Deadline for receipt of paper	30. 04. 2010
Deadline for receipt of registration form and paid fees	30. 04. 2010

Address for correspondence:

Scientific and technical union of mining, geology and metallurgy

BULGARIA, 1000 Sofia, 108, Rakovski Str.

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

Dr. Eng. Kremena Dedelyanova – Secretary General, 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

www.confgeomech.info/igc

REGISTRATION FORM

IVth International geomechanics conference

3 – 6 June 2010, International House of Scientists “Fr. J. Curie”
Resort “St. St. Constantine and Elena”, Varna, Bulgaria

Title, name and family name

.....

Address.....

.....

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

Accompanying person:.....

I wish to participate: with a paper without a paper
 with an advertisement as an exhibitor on sq. m area

I will accept accommodation for 2, 3, 4, 5, 6, 7 June 2010

International House of Scientists “Fr. J. Curie” single room, bed in double room
standard

International House of Scientists “Fr. J. Curie” single room, bed in double room
renovating

I have transferred the following amounts:

..... EURO / registration fee

..... EURO / for advertisement

..... EURO / for exhibition m²

..... EURO / for publication of paper

Total: EURO

Bank transfer on the following address:

Scientific and technical union of mining, geology and metallurgy
UniCredit BULBANK, branch Aksakov; Bulgaria, Sofia, 8, Aksakov Str.
BIC - UNCRBGSF

* BGN: BG41UNCR76301022561959

* EURO: BG55UNCR76301422597370

DATE:2010

SIGNATURE:

The registration form for participation is expected to be submitted to the Organizing Committee
by fax or e-mail to the Scientific and Technical Union of Mining, Geology and Metallurgy:
E-mail: mdgm@fnts-bg.org, Fax: ++359 2 986-13-79.



INTERNATIONAL HOUSE OF SCIENTISTS "FR. J. CURIE"
Resort "St. St. Constantine and Elena"

**НАУЧНО-ТЕХНИЧЕСКИ СЪЮЗ
ПО МИННО ДЕЛО,
ГЕОЛОГИЯ И МЕТАЛУРГИЯ**



**SCIENTIFIC AND TECHNICAL
UNION OF MINING,
GEOLOGY AND METALLURGY**

**ФЕДЕРАЦИЯ НА
НАУЧНО-ТЕХНИЧЕСКИТЕ
СЪЮЗИ В БЪЛГАРИЯ**



**FEDERATION
OF THE SCIENTIFIC ENGINEERING
UNIONS IN BULGARIA**