



MINING AND METALLURGY INSTITUTE BOR
TECHNICAL FACULTY IN BOR, UNIVERSITY OF BELGRADE



**57th INTERNATIONAL OCTOBER CONFERENCE
on Mining and Metallurgy**



FINAL PROGRAM

05 – 07 October 2026

Hotel “Jezero”, Bor Lake, Bor, Serbia

Financially supported by:

**Ministry of Science, Technological Development and Innovation
of the Republic of Serbia**

Conference is financially supported by the
Ministry of Science, Technological Development and
Innovation of the Republic of Serbia



SCIENTIFIC COMMITTEE

57th International October Conference on Mining and Metallurgy

Dr Mile Bugarin, Mining and Metallurgy Institute Bor (Serbia) – President
Dr Ana Kostov, Mining and Metallurgy Institute Bor (Serbia) – Vice President

Australia

Dr Walter Valery, University of Queensland, Brisbane

Bulgaria

Prof. Dr Boyan Boyanov, University of Plovdiv, Plovdiv

Dr Daniela Grigorova, University of Chemical Technology and Metallurgy, Faculty of Metallurgy and Materials Science, Sofia

Prof. Dr Maria Krasteva, University of Chemical Technology and Metallurgy, Faculty of Metallurgy and Materials Science, Sofia

Prof. Dr Rositsa Paunova, University of Chemical Technology and Metallurgy, Faculty of Metallurgy and Materials Science, Sofia

Prof. Dr Silvia Lavrova-Popova, University of Chemical Technology and Metallurgy, Faculty of Chemical and Systems Engineering, Sofia

Prof. Dr Stoyan Groudev, University of Mining and Geology, Department of Engineering Geoecology, Sofia

Bosnia and Herzegovina

Prof. Dr Adnan Mujkanović, University of Zenica, Faculty of Engineering and Natural Sciences, Zenica

Prof. Dr Almaida Gigović-Gekić, University of Zenica, Faculty of Engineering and Natural Sciences, Zenica

Dr Boško Vuković, University of Banja Luka, Faculty of Mining, Banja Luka, Republic of Srpska

Prof. Dr Farzet Bikić, University of Zenica, Faculty of Engineering and Natural Sciences, Zenica

Prof. Dr Hasan Avdušinović, University of Zenica, Faculty of Engineering and Natural Sciences, Zenica

Prof. Dr Ilhan Bušatlić, University of Zenica, Faculty of Engineering and Natural Sciences, Zenica

Prof. Dr Jasmin Suljagić, University of Tuzla, Faculty of Technology, Tuzla

Prof. Dr Kemal Gutić, University of Tuzla, Faculty of Mining, Geology and Civil Engineering, Tuzla

Prof. Emeritus Dr Mirsada Oruč, University of Zenica, Faculty of Engineering and Natural Sciences, Zenica

Prof. Dr Mitar Perušić, University of East Sarajevo, Faculty of Technology Zvornik, Zvornik

Prof. Dr Sead Ćatić, University of Tuzla, Faculty of Technology, Tuzla

Canada

Dr Dragan Komljenović, Research Institute, Hydro-Québec, Brossard

Prof. Dr Vladimir Krstić, Functional Materials Manufacturing, Inc., Ontario

China

Prof. Dr Kaikun Wang, University of Science and Technology Beijing, School of Materials Science and Engineering, Beijing
Prof. Dr Yong Du, Central South University Changsha, Hunan
Dr Zhongmei Sun, Zijin Mining and Metallurgy Design and Research Institute, Xiamen City
Prof. Dr Xuewei Lv, Chongqing University, School of Materials Science and Engineering, Chongqing

Croatia

Prof. Dr Mirko Gojić, University of Zagreb, Faculty of Metallurgy, Sisak
Prof. Dr Natalija Dolić, University of Zagreb, Faculty of Metallurgy, Sisak
Prof. Dr Tamara Holjevac Grgurić, Catholic University of Croatia, Faculty of Engineering, Zagreb
Prof. Dr Zdenka Zovko Brodarac, University of Zagreb, Faculty of Metallurgy, Sisak

Czech Republic

Prof. Dr Pavel Brož, Masaryk University, Faculty of Science, Department of Chemistry, Brno

Germany

Prof. Dr Karl-Heinz Spitzer, Technical University of Clausthal, Institute for Metallurgy, Clausthal
Dr Srećko Stopić, RWTH Aachen University, Faculty of Georesources and Materials Engineering, Aachen

Greece

Prof. Dr Charikleia Prochaska, Aristotle University of Thessaloniki, Faculty of Sciences, School of Chemistry, Division of Chemical Technology and Industrial Chemistry, Thessaloniki
Prof. Dr Dimitris Panias, National Technical University of Athens, School of Mining and Metallurgy Engineering, Athens
Prof. Dr Komnitsas Konstantinos, Technical University of Crete, School of Mineral Resources Engineering, Chania

Hungary

Prof. Dr György Kaptay, University of Miskolc, Faculty of Materials and Metallurgical Engineering, Miskolc

India

Prof. Dr Nikhil Dhawan, Indian Institute of Technology, Department of Metallurgical and Materials Engineering, IIT-Roorkee

Italy

Prof. Dr Pasquale Daniele Cavaliere, University of Salento, Department of Innovation Engineering, Lecce

Japan

Prof. Dr Nobuyuki Masuda, Tokyo University of Science, Faculty of Advanced Engineering, Tokyo

Kazakhstan

Dr Rustam Sharipov, Kazakh-British Technical University, Almaty

Montenegro

Prof. Dr Irena Nikolić, University of Montenegro, Faculty of Technology, Podgorica

Prof. Dr Kemal Delijić, University of Montenegro, Faculty of Metallurgy and Technology, Podgorica

Prof. Dr Nebojša Tadić, University of Montenegro, Faculty of Metallurgy and Technology Podgorica Montenegro

Prof. Dr Žarko Radović, University of Montenegro, Faculty of Metallurgy and Technology Podgorica

Poland

Prof. Dr Adam Grajcar, Silesian University of Technology, Faculty of Mechanical Engineering, Gliwice

Prof. Dr Dominika Jendrzczyk-Handzlik, AGH University of Science and Technology in Krakow, Faculty of Non-Ferrous Metals, Krakow

Portugal

Prof. Dr Luis Filipe Malheiros, University of Porto, Faculty of Engineering, Porto

Republic of North Macedonia

Prof. Dr Aleksandar Dimitrov, Ss. Cyril and Methodius University in Skopje, Faculty of Technology and Metallurgy, Skopje

Prof. Dr Goran Načevski, Ss. Cyril and Methodius University in Skopje, Faculty of Technology and Metallurgy, Skopje

Prof. Dr Perica Paunović, Ss. Cyril and Methodius University in Skopje, Faculty of Technology and Metallurgy, Skopje

Prof. Dr Stefan Kuvendžiev, Ss. Cyril and Methodius University in Skopje, Faculty of Technology and Metallurgy, Skopje

Romania

Prof. Dr Adina Negrea, Politehnica University of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering, Timisoara

Dr Andrei Rotaru, University of Craiova, Department of Chemical Thermodynamics, Craiova

Prof. Dr Cornelia Muntean, Politehnica University of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering, Timisoara

Prof. Prof. Dr Corneliu Crăciunescu, Politehnica University of Timisoara, Faculty of Mechanical Engineering, Timisoara

Prof. Dr Elena Scutelnicu, "Dunarea de Jos" University of Galati, Faculty of Engineering, Galați

Prof. Dr Nicanor Cimpoeșu, Gheorghe Asachi Technical University of Iasi, Faculty of Materials Science and Engineering, Iași

Prof. Dr Petrica Vizureanu, Gheorghe Asachi Technical University of Iasi, Faculty of Materials Science and Engineering, Iași

Russia

Prof. Dr Dmitry Vasilyev A.A. Baikov Institute of Metallurgy and Materials Science, Moscow

Prof. Dr Sergey Krasikov, Institute of Metallurgy of Ural Branch of the Russian Academy of Sciences, Yekaterinburg

Prof. Dr Tatiana N. Aleksandrova, Saint Petersburg Mining University, Department of Mineral Processing, Saint Petersburg

Slovakia

Prof. Dr Dušan Oráč, Technical University of Kosice, Faculty of Materials, Metallurgy and Recycling, Institute of Recycling Technologies, Košice

Prof. Dr Iveta Vasková, Technical University of Kosice, Faculty of Materials, Metallurgy and Recycling, Košice

Prof. Dr Jarmila Trpčevská, Technical University of Kosice, Faculty of Materials, Metallurgy and Recycling, Košice

Dr Slavomír Hredzák, Institute of Geotechnics of the Slovak Academy of Sciences, Košice

Prof. Dr Tomáš Havlik, Institute of Recycling Technologies, Faculty of Materials, Metallurgy and Recycling, Technical University of Košice, Košice

Slovenia

Prof. Dr Borut Kosec, University of Ljubljana, Faculty of Natural Science and Engineering, Ljubljana

Prof. Dr Boštjan Markoli, University of Ljubljana, Faculty of Natural Science and Engineering, Ljubljana

Prof. Dr Jožef Medved, University of Ljubljana, Faculty of Natural Science and Engineering, Ljubljana

Prof. Dr Maja Vončina, University of Ljubljana, Faculty of Natural Science and Engineering, Ljubljana

South Africa

Prof. Dr Daniel Ogochukwu Okanigbe, Tshwane University of Technology, Department of Extractive Metallurgy and Mineral Processing, Johannesburg

Turkey

Prof. Dr Onuralp Yücel, Istanbul Technical University, Faculty of Metallurgical Engineering, Istanbul

Prof. Dr Ridvan Yamanoğlu, Kocaeli University, Faculty of Engineering, Metallurgical and Materials Engineering, Kocaeli

Prof. Dr Savas Dilibal, Istanbul Gedik University, Department of Mechatronics Engineering, Istanbul

UK

Prof. Dr Miljana Radivojević, University College London, Institute of Archaeology, London

USA

Prof. Emeritus Batrić Pešić, University of Idaho, College of Engineering, Moscow

Prof. Dr Vladislav Kecojević, West Virginia University, College of Engineering and Mineral Resources, Morgantown

Serbia

Dr Aleksandar Doderović, Mining and Metallurgy Institute Bor

Dr Aleksandra Milosavljević, Mining and Metallurgy Institute Bor

Dr Ana Alil, University of Belgrade, Institute of Chemistry, Technology and Metallurgy Belgrade

Dr Biserka Trumić, Mining and Metallurgy Institute Bor

Dr Branislav Marković, Institute for Technology of Nuclear and other Mineral Raw Materials Belgrade

Prof. dr Branislav Nikolić, Engineering Academy of Serbia

Prof. dr Časlav Lačnjevac, Engineering Academy of Serbia
Dr Daniel Kržanović, Mining and Metallurgy Institute Bor
Dr Daniela Urošević, Mining and Metallurgy Institute Bor
Dr Dejan Bugarin, Mining and Metallurgy Institute Bor
Prof. Dr Dejan Ivezić, University of Belgrade, Faculty of Mining and Geology Belgrade
Prof. dr Dejan Tanikić, University of Belgrade, Technical Faculty in Bor
Prof. Dr Dragan Manasijević, University of Belgrade, Technical Faculty in Bor
Dr Dragan Milanović, Mining and Metallurgy Institute Bor
Prof. dr Dragan Milovanović, University of Belgrade, Faculty of Mining and Geology Belgrade
Dr Dragana Adamović, Mining and Metallurgy Institute Bor
Dr Dragana Božić, Mining and Metallurgy Institute Bor
Prof. Dr Dragoslav Rakić, University of Belgrade, Faculty of Mining and Geology Belgrade
Prof. Dr Duško Minić, University of Priština, Faculty of Technical Sciences Kosovska Mitrovica
Prof. Dr Grozdanka Bogdanović, University of Belgrade, Technical Faculty in Bor
Dr Emina Požega, Mining and Metallurgy Institute Bor
Prof. Dr Ivan Mihajlović, University of Belgrade, Faculty of Mechanical Engineering Belgrade
Dr Ivana Jovanović, Mining and Metallurgy Institute Bor
Prof. Dr Ivana Marković, University of Belgrade, Technical Faculty in Bor
Dr Jasmina Stevanović, University of Belgrade, Institute of Chemistry, Technology and Metallurgy Belgrade
Dr Jasna Stajić Trošić, University of Belgrade, Institute of Chemistry, Technology and Metallurgy Belgrade
Dr Jelena Stefanović, Mining and Metallurgy Institute Bor
Dr Lidija Đurđevac Ignjatović, Mining and Metallurgy Institute Bor
Dr Ljiljana Avramović, Mining and Metallurgy Institute Bor
Prof. Dr Ljubiša Balanović, University of Belgrade, Technical Faculty in Bor
Dr Marijana Pavlov-Kagadejev, Mining and Metallurgy Institute Bor
Dr Milan Radivojević, Mining and Metallurgy Institute Bor
Prof. Dr Milan Trumić, University of Belgrade, Technical Faculty in Bor
Prof. Dr Milena Zečević, University of Priština, Faculty of Technical Sciences Kosovska Mitrovica
Dr Milenko Ljubojev, Engineering Academy of Serbia
Dr Miljan Gomilanović, Mining and Metallurgy Institute Bor
Prof. Dr Miloš Rajković, Engineering Academy of Serbia
Prof. Dr Milovan Vuković, University of Belgrade, Technical Faculty in Bor
Dr Mirjana Stojanović, Engineering Academy of Serbia
Dr Miroslav Sokić, Institute for Technology of Nuclear and other Mineral Raw Materials Belgrade
Prof. dr Nada Štrbac, University of Belgrade, Technical Faculty in Bor
Dr Nadežda Talijan, Academy of Engineering Science of Serbia
Prof. Dr Nedeljko Magdalinović, Engineering Academy of Serbia

Prof. Dr Nenad Radović, University of Belgrade, Faculty of Technology and Metallurgy Belgrade

Prof. Dr Nenad Vušović, University of Belgrade, Technical Faculty in Bor

Prof. Dr Rade Jelenković, University of Belgrade, Faculty of Mining and Geology Belgrade

Dr Radmila Marković, Mining and Metallurgy Institute Bor

Prof. Dr Radoje Pantović, University of Belgrade, Technical Faculty in Bor

Dr Renata Kovačević, Mining and Metallurgy Institute Bor

Dr Sanja Petrović, Mining and Metallurgy Institute Bor

Dr Sandra Guševac, Mining and Metallurgy Institute Bor

Dr Silvana Dimitrijević, Mining and Metallurgy Institute Bor

Prof. Dr Snežana Milić, University of Belgrade, Technical Faculty in Bor

Dr Stefan Đorđievski, Mining and Metallurgy Institute Bor

Prof. Dr Tanja Kalinović, University of Belgrade, Technical Faculty in Bor

Prof. Dr Tatjana Volkov-Husović, University of Belgrade, Faculty of Technology and Metallurgy Belgrade

Dr Vanja Trifunović, Mining and Metallurgy Institute Bor

Prof. Dr Vaso Manojlović, University of Belgrade, Faculty of Technology and Metallurgy Belgrade

Prof. Dr Velimir Radmilović, Serbian Academy of Science and Arts

Dr Vesna Conić, Mining and Metallurgy Institute Bor

Dr Vesna Krstić, Mining and Metallurgy Institute Bor

Dr Vesna Marjanović, Mining and Metallurgy Institute Bor

Dr Viša Tasić, Mining and Metallurgy Institute Bor

Dr Vladan Ćosović, University of Belgrade, Institute of Chemistry, Technology and Metallurgy Belgrade

Dr Vladan Kašić, University of Belgrade, Institute for Technology of Nuclear and other Mineral Raw Materials Belgrade

Dr Vojislav Bogdanović, Engineering Academy of Serbia

Dr Zoran Avramović, Mining and Metallurgy Institute Bor

Dr Zoran Stevanović, Mining and Metallurgy Institute Bor

Prof. Dr Željko Kamberović, University of Belgrade, Faculty of Technology and Metallurgy Belgrade

ORGANIZING COMMITTEE

57th International October Conference on Mining and Metallurgy

Dr Ana Kostov, Mining and Metallurgy Institute Bor – *President*

Prof. Dr Milan Radovanović, University of Belgrade, Technical Faculty in Bor – *Vice President*

Dr Dragana Božić, Mining and Metallurgy Institute Bor – *Vice President*

Suzana Cvetković, Mining and Metallurgy Institute Bor – *secretary*

Marijana Pavlov-Kagadejev, Mining and Metallurgy Institute Bor – *member*

Katarina Milivojević, Mining and Metallurgy Institute Bor – *member*

Vesna Simić, Mining and Metallurgy Institute Bor – *member*

Saša Stojanov, Mining and Metallurgy Institute Bor – *member*

WELCOMING ADDRESS

The 57th International October Conference on Mining and Metallurgy, organized annually, aims at providing a forum for presentation and discussion the scientific research, technological development and practice on the subjects of geology, mining, metallurgy, materials science, technology, environmental protection, energy efficiency, mechanical, civil and related engineering topics.

The Conference is organized jointly by the Mining and Metallurgy Institute Bor and the Technical Faculty in Bor, the University of Belgrade. Firstly, it was a national conference, then a conference with the international participation and, since 2002, it has been organized as an international conference.

The Conference work will be organized in sessions, including the plenary lectures, oral and poster presentations.

The Conference will provide a good opportunity for meeting the old friends, making the new contacts and exchanging the useful information as well.

TIME AND VENUE

57th IOC will be held from 05 to 07 October 2026 at Bor Lake, Bor, Serbia, about 250 km south-east of Belgrade.

The Conference office will be opened on: 05 October.

LANGUAGE

The Conference language will be English.

PRESENTATIONS

Plenary Lecture – 15 min

Oral presentation – 10 min

Poster presentation on space max of 70 cm x 100 cm

Electronic form of presentation will be possible only in MS Power Point due to its widespread use. For oral presentation, personal computer and LCD Projector will be at author's disposal.

PUBLISHING

The Conference Proceedings will be published only the papers accepted by the Scientific Committee.

The authors can prepare their papers in extended form and submit them as full-length research papers in:

- *Journal Mining and Metallurgy Engineering Bor* (<https://irmbor.co.rs/izdavastvo/>)
- *Bakar / Copper* (<https://irmbor.co.rs/izdavastvo/>)
- *Journal of Mining and Metallurgy*, Section A: *Mining* (www.jmma.tfbor.bg.ac.rs) and Section B: *Metallurgy* (www.jmmab.com),
- *Recycling and Sustainable Development* (<http://www.rsd.tfbor.bg.ac.rs/>)

after reviewing and appropriate revisions.

CONFERENCE FEE

The Conference fee is € 150 or 18000 RSD, VAT included. It includes admission to the Conference sessions, Conference Proceedings and the accompanying materials, conference dinner, and refreshments during the Conference.

The Conference fee for the accompanying person is € 120 or 15000 RSD, VAT included. It includes all items specified for the participants except the Conference Proceedings and accompanying materials.

a) Domestic participants in RSD:

Institut za rudarstvo i metalurgiju Bor
Br. računa: 160-42434-38
Naznaka: 57IOC

b) Foreign participants:

Instruction for customer transfer in EUR:

53, 54 or 56: Correspondent bank

BCITITMM
INTESA SANPAOLO SPA
MILANO
ITALY

57: Account with institution:

DBDBRSBG
BANCA INTESA AD, BEOGRAD
MILENTIJA POPOVIĆA 7B
11070 NOVI BEOGRAD, SERBIA, REPUBLIC OF

59: Beneficiary Customer:

/RS35160005080000503252
EUR INSTITUT ZA RUDARSTVO I METALURGIJU
ALBERTA AJNŠTAJNA BR. 1, BOR, SERBIA, REPUBLIC OF
With remarks: 57IOC

HOTEL ACCOMMODATION

Accommodation will be provided for the participants at Hotel "Jezero" Bor Lake, Bor. For all hotel information and reservations, please use:

- Website <https://www.hoteljezero.rs/>
- E-mail: office@hoteljezero.rs
- Phone: +381 (0) 30 48 29 40, +381 (0) 30 48 23 40

Payment of the hotel bill can be made upon arrival at the reception desk or in advance.

WEATHER CONDITIONS

Weather conditions are very changeable in October and temperature could vary from 10° to 25°C, so you should take some clothes for warm and cold weather.

PERSONAL INSURANCE

The organizers cannot be held responsible for any accidents involving the Conference participants or the accompanying persons, for damage, or loss of their personal property or for cancellation expenses, regardless of cause. Participants should, therefore, make their own insurance arrangements and are advised to consult their local insurance agents regarding coverage.

CORRESPONDENCE

Correspondence related to the Conference should be addressed to the President of the Organizing Committee,

Dr Ana Kostov:

E-mail: ioc@irmbor.co.rs

Phone: +381 (0) 30 454 108

Web site: <https://ioc.irmbor.co.rs/>

TIME TABLE OF THE CONFERENCE

	Hall/Session	Monday 05 October	Tuesday 06 October	Wednesday 07 October
Conference Office	Hotel Lobby	16:00 - 18:00	08.00 – 18.00	08.00-17.00
<i>Dinner</i>		18.00 – 20.00		
<i>Breakfast</i>			07.00 – 10.00	
Opening Ceremony	Conference room		10:00 - 10:30	
Plenary Lecture 1	Conference room		10:30 - 10:45	
<i>Welcome Cocktail</i>	Hotel Lobby		11:00 - 11:45	
Plenary Lecture 2	Conference room		12:00 - 12:15	
Plenary Lecture 3	Conference room		12:15 - 12:30	
Plenary Lecture 4	Conference room		12:30 - 12:45	
<i>Lunch</i>			13:00 - 15:00	
Plenary Lecture 5	Conference room		15:00 - 15:15	
Plenary Lecture 6	Conference room		15:15 - 15:30	
Oral Session	Conference room		15:30 - 16:30	
<i>Coffee Break</i>	<i>Hotel Lobby</i>		16:30 - 17:00	
Poster Session	Conference room		16:30 - 18:30	
Conference Diner	Restaurant		20:00	
<i>Breakfast</i>				07:00 - 09:00
Optimalmine school	Conference room			09:00 - 17:00
<i>Visit to MMI Bor</i>	<i>MMI Bor</i>			10:00 - 12:00
<i>Coffee Break</i>	<i>Hotel Lobby</i>			10:45 - 11:15
<i>Lunch</i>				12:30 - 14:00
Closing of the Conference				17:00

Plenary Lectures - limited to 15 min, Oral presentations - limited to 10 min.

SCIENTIFIC PROGRAM

PLENARY LECTURE

Tuesday, 06 October 2026, 10:30 - 10:45

Chairpersons: Ana Kostov, Milan Radovanović

Daniel Kržanović, Igor Svkota, Dejan Bugarin

OPTIMIZATION OF THE LONG-TERM DEVELOPMENT OF THE MAJDANPEK COPPER MINE THROUGH THE ANALYSIS OF PRODUCTION CAPACITIES AND ORE RESERVE MANAGEMENT SCENARIOS

PLENARY LECTURES 2, 3 and 4

Tuesday, 06 October 2026, 12:00 - 12:45

Chairpersons: Igor Svrkota, Katarina Milivojević

Stefano Utili, Dainius Jenkus, Akanksha Mishra

REVIEW: SLOPE OPTIMISATION IN OPEN PIT MINES

Daniel Villa

TRANSITION FROM OPEN PIT TO CAVING OPERATIONS: CHALLENGES, OPPORTUNITIES, AND VALUE DRIVERS

Srećko Stopić, Ayadjenou Humphrey Hounsinou, Bernd Friedrich

SYNTHESIS OF METALLIC POWDERS

PLENARY LECTURES 5 and 6

Tuesday, 06 October 2026, 15:00 - 15:30

Chairpersons: Dragana Božić, Daniel Kržanović

Jelena Mičev, Gvozden Tasić, Marija Živković, Ivan Lazović,

Marija Ječmenica Dučić, Ana Cumbo, Emilija Krantić

ENHANCING CBRNE RESEARCH, INNOVATION AND TALENT DEVELOPMENT THROUGH THE HORIZON EUROPE PROJECTS SPARKUP AND GROUNDUP

Dejan Stevanović, Petar Marković, Mirjana Banković

THE TREND OF DECLINING INTEREST IN STUDYING AT MINING FACULTIES AND POTENTIAL IMPLICATIONS FOR THE INDUSTRY

ORAL SESSION

Tuesday, 06 October 2026, 15:30 - 16:30

Chairpersons: Ana Kostov, Vesna Marjanović

Junyan Han, Jiasai Li, Stefano Utili, Xiuli Du

SEISMIC RESPONSE OF BURIED PIPELINES CROSSING SANDY SLOPES UNDER GROUND MOTIONS BEFORE AND AFTER RAINFALL INFILTRATION: SHAKING-TABLE TESTS

Hylke J. Glass, Rakan Abdulwahed, Shekwonyadu Iyakwari

MONITORING GOLD RECOVERY BY SAMPLING A CARBON-IN-LEACH PLANT

Ivica Vojinović, Miloš Stojanović, Dragan Šabaz

CRITICAL REVIEW OF EXPLICIT MINING REGULATIONS FOR UNDERGROUND EXPLOITATION IN SERBIA

Dragana Adamović Marković, Nicoleta Sorina Nemeş, Adina Negrea, Sanela Vasiljević, Miloš Đukić, Ivan Svrkota, Daniel Kržanović

SEASONAL AND HISTORICAL CHANGES IN COPPER AND IRON IN RIVER WATER OF THE BOR MINING AREA

Zoran Karastojković, Ana Kostov, Radiša Perić

DESIRED CONCENTRATIONS OF COPPER AND BORON IN HSLA STEEL

Zoran Avramović

SHOULD THE OPENING OF A NEW MINING AND METALLURGICAL COMPLEX IN THE VICINITY OF BOR AND ZAJEČAR BE ALLOWED, AND WHY NOT

Miloš Stojanović, Daniel Villa

EARLY COPPER DELIVERY VERSUS ULTIMATE RECOVERY IN A SMALL-SCALE SUBLEVEL CAVING SCHEDULE

POSTER SESSION

Tuesday, 06 October 2026, 16:30 - 18:30

Chairpersons: Aleksandra Milosavljević, Marijana Pavlov-Kagadejev

Vladan Marinković, Miroslava Maksimović, Milenko Jovanović

VERTICAL DISTRIBUTION OF CU IN OLD FLOTATION TAILING POND IN CITY OF BOR, (FIELD 1 AND FIELD 2)

Radmilo Rajković, Sandra Milutinović, Daniel Kržanović, Miomir Mikić, Milenko Jovanović

STABILITY ANALYSIS ACCORDING TO EUROCODE 7 IN THE SLIDE SOFTWARE

Ivan Jovanović, Dušan Tašić, Katarina Milivojević

HYDRODYNAMIC MODELING OF THE VALJA FUNDATA FLOTATION TAILINGS POND IN MAJDANPEK, SERBIA

Dušan Tašić, Dragan Ignjatović, Lidija Đurđevac Ignjatović, Vanja Đurđevac

GEOPHYSICAL SURVEYS ALONG THE PLANNED TRANSPORT SYSTEM ROUTE AT THE "JUŽNI REVIR" OPEN PIT

Dragan Ignjatović, Lidija Đurđevac Ignjatović, Vanja Đurđevac, Dušan Tašić

APPLICATION OF CONCRETE RECYCLING METHODS AND TECHNOLOGIES GLOBALLY AND IN SERBIA

Anamarija Grbeš Babić, Ivana Dobrilović, Branimir Farkaš, Helena Vučenović

DATA COLLECTION STRATEGIES FOR DEVELOPING LIFE CYCLE INVENTORY SCENARIOS IN GEOSCIENCE INNOVATION PROJECTS

Nikola Jovanović, Aca Jovanović, Ivana Berić

AN INTEGRATED METHODOLOGY FOR PROJECT PORTFOLIO SELECTION AND OPTIMIZATION IN MINING INDUSTRY

Dejan Jordanović, Stefan Trujić, Miodrag Živković

GEOLOCATION AND REAL-TIME MONITORING EXTENSIONS FOR A QR-CODE-BASED SAMPLE TRACEABILITY SYSTEM IN MINING

Milenko Jovanović, Daniel Krzanović, Radmilo Rajković, Stefan Trujić, Vladan Marinković, Miomir Mikić

ECOLOGICAL AND ECONOMIC ASPECTS OF INSTALLATION OF COMBINED HYBRID GEOGRIDS AT MINING WASTE DISPOSAL SITES

Miloš Stojanović, Ivica Vojinović, Dragan Šabaz

FUZZY-LOGIC ASSESSMENT OF ROCK BOLT SUPPORT CONFIGURATIONS IN UNDERGROUND MINING

Ivana Jovanović, Dragan Milanović, Vesna Conić, Dejan Bugarin, Miloš Janošević, Gordana Deljak, David Radovac

CHARACTERIZATION OF COMPLEX BAUXITE ORE - PART I

Miloš Janošević, Vesna Conić, Dragan Milanović, Ivana Jovanović, Tanja Stanković, Sanela Vasiljević, Tihomir Radovac

CHARACTERIZATION OF COMPLEX BAUXITE ORE - Part II

Dragan Milanović, Ivana Jovanović, Vesna Conić, Dejan Bugarin, Miloš Janošević, Tihomir Radovac, Gordana Deljak

CHARACTERIZATION OF COMPLEX BAUXITE ORE - PART III

Miomir Mikić, Ivana Mikić, Radmilo Rajković, Milenko Jovanović, Sandra Milutinović

POTENTIAL AND GEOTECHNICAL CHALLENGES OF IMPLEMENTING PHOTOVOLTAIC POWER PLANTS ON FLOTATION TAILINGS AND WASTE DUMPS OF OPEN PITS IN THE BOR DISTRICT

Miomir Mikić, Sandra Milutinović, Milenko Jovanović, Radmilo Rajković, Ivana Mikić

BIOLOGICAL RECLAMATION AND PHYTOREMEDIATION OF COPPER MINE TAILINGS IN THE BOR DISTRICT USING NATIVE PLANT SPECIES

Oliver Dimitrijević, Ivana Jovanović, Tanja Stanković

APPLICATION OF CHELATING COLLECTORS IN SELECTIVE FLOTATION OF COMPLEX ORES - A SHORT REVIEW

Sanja Petrović, Srđana Magdalinović, Sandra Milutinović, Ljubisa Obradović, Miomir Mikić

INFLUENCE OF FILTRATION CYCLE DURATION ON THE CAPACITY OF A FILTER PRESS SYSTEM FOR CONCENTRATE DEWATERING

Sandra Milutinović, Ljubiša Obradović, Sanja Petrović, Srđana Magdalinović, Ivan Svrkota

APPLICATION OF INTERNATIONAL STANDARDS IN TAILINGS FACILITY DESIGN

Sandra Milutinović, Radmilo Rajković, Sandra Guševac, Vesna Marjanović, Miomir Mikić

COMPARATIVE ANALYSIS OF THE STABILITY OF A FLOTATION TAILINGS DAM BEFORE AND AFTER REHABILITATION

Filippo Bianchi, Beatrice Carrozzo, Riccardo Castellanza, Stefano Utili, Matteo Ciantia

FROM PIT DEVELOPMENT TO OPTIMAL SLOPE: AN INTEGRATED 2D-3D STABILITY AND PITWALL OPTIMISATION WORKFLOW

Uroš Stamenković, Ivana Marković, Dragan Manasijević, Kristina Božinović, Milan Nedeljković, Avram Kovačević

THE INVESTIGATION OF THERMAL PROPERTIES AND MELTING BEHAVIOUR OF Sn78Bi22 SOLDER ALLOY

Aleksandra Milosavljević, Ana Kostov, Marijana Pavlov - Kagadejev

XRD INVESTIGATIONS OF SOME MULTIFUNCTIONAL ALLOYS BASED ON SILVER, TiN AND INDIUM

Nebojša Tadić, Nina Jovović, Irena Nikolić, Vanja Asanović, Radomir Zejak, Dejana Dizdar, Biljana Damjanović-Vartnica

INFLUENCE OF CURING TEMPERATURE ON THE PROPERTIES OF FLY ASH-BASED GEOPOLYMERS DOPED WITH A WASTE PLASTIC

Ana Kostov, Aleksandra Milosavljević, Ivan Jovanović

THERMO-CHEMISTRY CALCULATIONS IN MOLTEN Ti-Al ALLOY

Natalija Dolić, Zdenka Zovko Brodarac, Lucija Majdandžić, Luka Meseke, Franjo Kozina

MICROSTRUCTURE, FRACTURE BEHAVIOUR AND TENSILE PROPERTIES OF AS-BUILT EN 1.2709 MARAGING STEEL PRODUCED BY SELECTIVE LASER MELTING

Vladimir Topalović, Veljko Savić, Jelena Nikolić, Marija Djošić, Ivana Mikavica, Daniela Popović, Snežana Grujić
CHEMICAL STABILITY OF La-CONTAINING PHOSPHATE GLASS-CERAMICS IN SBF

Jelena Đoković, Dejan Tanikić, Milan Grozdanović
APPLICATION OF THE LEFM CONCEPT ON THE WOOD FRACTURE

Marko Kršulja, Lovro Liverić, Ivan Jandrić
VERIFICATION OF METALLIC MATERIAL CERTIFICATION IN INDUSTRIAL SUPPLY CHAINS: A REVIEW OF PRACTICE ILLUSTRATED ON TYPE 316L STAINLESS STEEL PRODUCTS

Emina Požega, Miloš Đukić, Dragana Božić
UTILIZATION OF INDUSTRIAL WATER FLOWS FOR MINI HYDROPOWER GENERATION

Vladan Nedelkovski, Sonja Stanković, Dragana Medić, Aleksandar Cvetković, Milan Radovanović, Srećko Stopić, Žaklina Tasić
PROFILE-AWARE PREDICTION AND RESOURCE-CONSTRAINED OPTIMIZATION OF MALACHITE GREEN PHOTODEGRADATION USING Pd-BiFeO₃

Tatjana Miljojčić, Žaklina Tasić, Ivana Jelić, Ana Radojević, Snežana Milić, Marija Šljivić-Ivanović
RESOURCE CONSERVATION AND WASTE REMEDIATION WITH CATHODE RAY TUBE GLASS: RESEARCH PERSPECTIVES

Veljko Savić, Jelena Nikolić, Marija Djošić, Vladimir Topalović, Anja Antanasković, Ivana Mikavica, Snežana Grujić
PRODUCTION OF FOAM GLASS USING CONTAINER GLASS WITH COAL FLY ASH ADDITION

Vesna Conić, Yousef Ghorbani, Cora Dawson-Jones, Dragan Milanović, Miloš Janošević, Ivana Jovanović, Dejan Bugarin
BIOLEACHING OF LITHIUM FROM A LITHIUM-BEARING BORATE CLAY ORE USING ACIDOPHILIC IRON-OXIDIZING MICROORGANISMS

Sanela Vasiljević, Narcis Duteanu, Mihaela Ciopec, Dragana Adamović Marković, Ivan Svrkota, Lidija Kalinović, Daniel Kržanović
ASSESSMENT OF SEASONAL DIFFERENCES AND AS-CU RELATIONSHIP IN SOILS OF THE BOR MINING AREA

Silvana Dimitrijević, Zoran Avramović, Stevan Dimitrijević, Liljana Avramović, Stefan Đorđievski, Sanela Vasiljević, Jelena Stefanović
CORROSION IN THE PERIPHERAL PART OF THE HOT WATER DISTRIBUTION SYSTEM IN THE TOWN OF BOR – A CASE STUDY

Ana Petrović, Stefan Đorđievski, Miloš Đukić, Emina Požega, Jelena Gligorijević Sokolović, Dragana Adamović Marković, Dragana Božić
APPLICATION OF COPPER FOAMS FOR THE WATER PURIFICATION PROCESS: A REVIEW

Dragana Božić, Ljiljana Avramović, Vanja Trifunović, Silvana Dimitrijević, Ana Petrović, Mladen Macić, Emina Požega
SELECTIVE NEUTRALIZATION OF ACID MINE DRAINAGE FROM ROBULE LAKE AND SLUDGE CHARACTERIZATION OF THE pH 4 PHASE VIA SEM-EDS ANALYSIS

Emina Požega, Miloš Đukić, Milenko Jovanović, Anja Radičević, Igor Svrkota, Dejan Bugarin, Radmilo Rajković
PROPERTIES OF Se DOPED Bi₂Te₃ BASED MATERIAL

Tatjana Volkov Husović, Ana Alil, Sanja Martinović
A REVIEW OF WEAR MECHANISMS FOR TRIBOLOGICAL SYSTEMS

Jelena Pavlov, Jelena Gligorijević Sokolović
LEACHING OF 6:2 AND 8:2 FLUOROTELOMER ALCOHOLS FROM SOLID WASTE INTO THE AQUEOUS PHASE

Miloš Đukić, Stefan Đorđievski, Renata Kovačević, Sanela Vasiljević, Jelena Nikolić, Vesna Stankov Jovanović
BLANK SAMPLES AS AN ADDITIONAL TOOL FOR INTERNAL QUALITY CONTROL OF AN ICP-MS METHOD

Miloš Đukić, Stefan Đorđievski, Dragana Adamović Marković, Ana Petrović, Emina Požega, Jelena Nikolić, Vesna Stankov Jovanović

APPLICATION OF R-CONTROL CHARTS IN INTERNAL QUALITY CONTROL OF ICP-MS ANALYSIS

Milutin Stojadinović, Vesna Marjanović, Vanja Trifunović, Lidija Kalinović, Sanela Vasiljević, Dragana Adamović Marković

ASH CHEMISTRY AND FUSION BEHAVIOUR OF COAL BLENDS FOR THERMAL POWER PLANTS

Lidija Kalinović, Daniela Urošević, Jelena Maksimović, Nemanja Bojković, Milorad Živanov

STATISTICAL DATA PROCESSING OF INTERLABORATORY DETERMINATION OF HYDRAULIC CONDUCTIVITY

Vesna Krstić, Danijela Simonović, Violeta Jovanović, Jelena Gligorijević-Sokolović, Ana Petrović, Daniela Urošević, Mirjana Šteharinik

Cu AND As CONCENTRATIONS IN ARABLE LAND AND WHEAT GRAIN IN THE VICINITY OF BOR, SERBIA: IMPLICATIONS FOR SUSTAINABLE AGRICULTURE AND FOOD SECURITY

Mladen Macić, Slavica Miletić, Biserka Trumić

STATISTICAL EVALUATION OF LABORATORY PERFORMANCE USING Z-SCORE IN INTERLABORATORY TESTING

Jelena Gligorijević Sokolović, Ana Petrović, Danijela Simonović, Jelena Pavlov, Vesna Krstić

XRD ANALYSIS OF ARSENIC-BEARING PHASE EVOLUTION DURING TREATMENT OF COPPER PRODUCTION WASTEWATER

Atanas Atanasov, Ivaylo Ivanov

HYDROGEN INTEGRATION INTO EXISTING FUEL SYSTEMS THROUGH H₂-CH₄ BLENDS (H₂CNG)

Viša Tasić, Tatjana Apostolovski Trujić, Renata Kovačević, Bojan Radović, Nevena Ristić, Vladan Kamenović, Zvonko Damjanović

INDOOR PM₁₀ AND PM_{2.5} IN RESIDENTIAL APARTMENTS IN BOR, SERBIA: HEATING SEASON ANALYSIS

Vanja Trifunović, Ljiljana Avramović, Dragana Božić, Zoran Avramović, Sanela Vasiljević, Milutin Stojadinović, Renata Kovačević

TREATMENT OF OILY WASTEWATER FROM METAL PROCESSING BY THERMOCHEMICAL DECOMPOSITION PROCESS

Aleksandra Petrović, Tanja Kalinović, Ana Radojević, Jelena Kalinović, Maja Nujkić, Jelena Jordanović

CURRENT TRENDS IN ATMOSPHERIC MICROPLASTICS RESEARCH

Jelena Nikolić, Dejan Molnar, Hristina Mikić, Đorđe Mitrović, Veljko Savić, Vladimir Topalović, Snežana Grujić
FROM GLASS ART TO CLIMATE ACTION: A CARBON FOOTPRINT CALCULATOR FOR SUSTAINABLE STUDIO PRACTICE

Emilija Krantić, Marija Živković, Ivan Lazović, Rastko Jovanović, Jelena Mičev, Sanja Manojlović

ANALYSIS OF LONG-TERM TIME SERIES OF TEMPERATURE DATA - VELIKO GRADIŠTE METEOROLOGICAL STATION

Milić Erić, Zoran Marković, Aleksandar Milićević, Rastko Jovanović, Nikola Živković, Marija Živković, Jovana Buha Marković

EXPERIMENTAL RESEARCH ON MASS CONCENTRATION OF GASEOUS CHLORIDES UPSTREAM AND DOWNSTREAM FLUE GAS DESULPHURISATION

Dragana Adamović Marković, Nicoleta Sorina Nemeş, Sanela Vasiljević, Bojan Radović, Tamara Urošević, Stefan Đorđievski, Ana Petrović

SEASONAL ASSESSMENT OF HYDROCHEMICAL CHARACTERISTICS OF RIVERS IN THE BOR MINING AREA

Sanela Vasiljević, Dragana Adamović Marković, Ivan Svrkota, Lidija Kalinović, Miloš Đukić, Tamara Urošević, Bojan Radović

SPATIOTEMPORAL PATTERNS OF POTENTIALLY TOXIC ELEMENTS IN SOILS OF THE BOR AND MAJDANPEK MINING AREAS

Ivan Svrkota, Sandra Milutinović, Ljubiša Obradović, Srdana Magdalinović, Sanja Petrović

STRATEGIC IMPLEMENTATION OF THE WASTE MANAGEMENT HIERARCHY IN MINING OPERATIONS: A CASE STUDY OF THE VELIKI KRIVELJ FLOTATION TAILINGS FACILITY

Mitar Perušić, Srećko Stopić, Duško Kostić, Vladimir Damjanović, Radislav Filipović, Jelena Vuković, Eva Perušić, Nebojša Vasiljević

ANALYSIS OF SUSTAINABLE DEVELOPMENT FACTORS IN THE REPUBLIC OF SRPSKA IN THE CONTEXT OF THE REGIONAL ENVIRONMENT

Vesna Marjanović, Zoran Štirbanović, Zoran Stevanović, Milutin Stojadinović, Emina Požega, Jelena Gligorijević Sokolović

ASSESSMENT OF THE POTENTIAL FOR ACID DRAINAGE GENERATION FROM MINING WASTE CONTAINING SULFIDE MINERALS USING THE SRPS EN 15875:2013 METHOD

Tatjana Apostolovski Trujić, Viša Tasić, Nevena Ristić, Renata Kovačević, Bojan Radović

STATE OF AIR QUALITY IN THE CITY OF BOR IN 2025 – COMPARISON WITH 2024

Bojana Živković, Nenad Z Stanojević

IMPACT OF AUTOMATED SYSTEMS ON WORKERS PSYCHOPHYSICAL STATUS: A QUANTITATIVE ANALYSIS

Marija Jonović, Dejan Bugarin, Divna PaciĆ

INSTITUTIONAL RESILIENCE OF A NATIONAL INSTITUTE IN SERBIA

Nevena Marković, Sandra Guševac, Jelena Đorđević, Jelena Stefanović, Mladen Živković

COMPARATIVE ANALYSIS OF A TWO-WAY REINFORCED CONCRETE SLAB ACCORDING TO BAB 87 AND EUROCODE 2

Nevena Marković, Dragan Šabaz, Ivica Vojinović, Sandra Guševac

COMPARATIVE STUDY OF LINEAR SEISMIC ANALYSIS METHODS ACCORDING TO EUROCODE 8

Nevena Marković, Dragana Turnić, Srdan Živković, Marija Spasojević Šurdilović

EVALUATION AND STRENGTHENING OF STEEL INDUSTRIAL BUILDINGS DUE TO CHANGES IN TECHNICAL STANDARDS

Jelena Stefanović, Stevan Dimitrijević, Zoran Avramović, Sandra Guševac, Jelena Đorđević, Nevena Marković, Nikola Jovanović

IMPLEMENTATION OF MATERIAL MODEL IN ABAQUS/STANDARD USING UMAT SUBROUTINE

Nikola Jovanović, Miloš Živanović, Jelena Stefanović, Zlatko Pavlović, Nikola Miljković, Jelena Đorđević, Nikola Lekić

KEY CHALLENGES IN PLANNING AND MANAGING INVESTMENT PROJECTS IN THE MINING SECTOR

Miloš Živanović, Ivan Stojičić, Nikola Miljković, Nikola Jovanović, Miloš Marković, Jelena Stefanović

SECOND-GENERATION EUROCODE 2: STRUCTURAL REORGANISATION, NEW DESIGN MODELS AND PRACTICAL IMPLICATIONS

Miloš Živanović, Ivan Stojičić, Nikola Miljković, Nikola Jovanović, Miloš Marković, Jelena Đorđević

SECOND-GENERATION EUROCODE 4: CHANGES IN EN 1994-1-1:2026 AND DESIGN IMPLICATIONS

OPTIMALMINE SCHOOL

Wednesday, 07 October 2026, 09:00 - 17:00

09:00 – 10:45

MODULE 1

Foundations and Financial/Environmental

Impact Core principles of slope topological optimisation illustrated through real mine case studies, including financial and environmental benefits.

11:15 – 11:45

MODULE 2

Anisotropic Rock Masses and Complex Joint Networks

Estimating direction-dependent strength from joint orientation and persistence data, with a worked example involving a jointed rock mass.

11:45 – 12:30

MODULE 3

Discrete Discontinuities (Faults)

Modelling large-scale discrete features such as faults, followed by a case study and discussion

14:00 – 17:00

MODULE 4 •HANDS-ON SESSION

Slope Optimiser

Practical training with Slope Optimiser. Participants will receive temporary access to the software, work on provided benchmark datasets, and are encouraged to bring their own project data.