



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



**53rd INTERNATIONAL OCTOBER CONFERENCE
on Mining and Metallurgy**



FINAL PROGRAM

3 – 5 October 2022

Hotel “Albo” Bor, Serbia

Financially supported by:

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

Conference is financially supported by the
Ministry of Education, Science and Technological
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53rd International October Conference on Mining and Metallurgy

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WELCOMING ADDRESS

53rd International October Conference on Mining and Metallurgy, organized annually, is aimed at providing a forum for presentation and discussion of the scientific research, technological development and practice on the subjects of geology, mining, metallurgy, materials science, technology, environmental protection, energy efficiency 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 topics of 53rd IOC will cover the following fields: geology, underground mining, surface mining, mineral processing, extractive metallurgy, metal processing, materials science, inorganic technology, environmental engineering, industrial engineering, recycling technologies, energetics, manufacturing technologies, quality management, software engineering applications, mechatronics, mechanical engineering, design and construction, and other related fields.

The Conference work will be organized in the sessions, including plenary lectures, session 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

53rd IOC will be held from 3 to 5 October 2022 at Hotel "Albo", Bor, Serbia, about 250 km south-east of Belgrade.

The Conference office will be opened on: 3 October.

LANGUAGE

The Conference language will be English.

PRESENTATIONS

Plenary Lecture – 20 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 the extended form and submit them as the full-length research papers in:

- **Journal Mining and Metallurgy Engineering Bor** (<https://irmbor.co.rs/en/publishing/>)

- **Bakar/ Copper** (<https://irmbor.co.rs/en/publishing/>)

after reviewing and appropriate revisions.

CONFERENCE FEE

The Conference fee is € 100.

The conference fee for the accompanying person is € 80.

The conference fee for publishing the accepted papers is € 50.

The accounts and instructions for all payments are the following:

a) Domestic participants in RSD:

Institut za rudarstvo i metalurgiju Bor

Br. računa: 160-42434-38

Naznaka: 53IOC

b) Foreign participants:

Instruction for customer transfer in EUR:

56: Intermediary:

BCITITMM

INTESA SANPAOLO SPA MILANO, ITALY

57: Account with institution:

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59: Beneficiary:

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INSTITUT ZA RUDARSTVO I METALURGIJU

ZELENI BULEVAR 35, BOR, Republic of Serbia

With remarks: 53IOC

The participants, who do not pay the Conference fee in advance, may pay it during the registration at the Conference desk.

HOTEL ACCOMMODATION

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

-Website: <http://www.hotel-albo.rs/>

- E-mail: office@hotel-albo.rs

- Phone: +381 30 24 96 962; +381 30 24 96 964

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 Organizer cannot be held responsible for accidents involving the Conference participants or the accompanying persons, for damage, or loss of their personal property or for cancellation expenses, regardless of cause. Participant should therefore make their own insurance arrangements. Please consult your 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 3 October	Tuesday 4 October	Wednesday 5 October
Conference Office	Hotel Lobby	08:00 - 18:00		
	MMI Bor		07:00 – 15:00	07:00 – 15:00
Opening Ceremony	Conference room	10:00 - 10:30		
Plenary Lectures 1	Conference room	10:30 - 10:50		
Plenary Lectures 2	Conference room	11:00 - 11:20		
<i>Welcome Cocktail</i>	<i>Hotel Lobby</i>	11:30 - 12:30		
<i>Lunch</i>		13:00 - 14:00		
Plenary Lectures 3	Conference room	14:00 - 14:20		
Plenary Lectures 4	Conference room	14:30 - 14:50		
Oral Session	Conference room	15:00 - 17:00		
<i>Coffee Break</i>	<i>Hotel Lobby</i>	17:00 - 18:00		
Poster Session	Conference room	15:00 - 18:00		
Conference Diner	Restaurant	19:00		
Visit to MMI Bor	MMI Bor		10:00 - 14:00	
Poster Session	MMI Bor		10:00 - 14:00	
<i>Coffee Break</i>	<i>MMI Bor</i>		13:00 - 14:00	
Excursion (Bor)				10:00 - 12:00
Closing of the Conference				13:00

Plenary Lectures - limited to 20 min, Oral presentations - limited to 10 min and 5 min for discussions.

SCIENTIFIC PROGRAM

PLENARY LECTURES

Monday, 3 October 2022, 10:30 - 11:30

Chairperson: *Silvana Dimitrijević*

Nikhil Dhawan

RECYCLING OF ELECTRONIC WASTE FOR RECOVERY OF THE METALLIC VALUES

Mirko Stijepović

APPLICATION OF OPTIMIZATION IN THE INDUSTRIAL PROCESSES

PLENARY LECTURES

Monday, 3 October 2022, 14:00 - 15:00

Chairperson: *Aleksandra Milosavljević*

Saša Stojadinović, Dejan Petrović

ECONOMIC JUSTIFICATION FOR EXPLOITATION THE BORON MINERALS IN BALJEVAC

Aleksandra Ivanovic

APPLICATION OF THE SIMPLEX METHODS FOR TESTING THE INFLUENCE OF COLD DEFORMATION LEVELS, ANNEALING TEMPERATURE AND CHEMICAL CONTENT ON THE MECHANICAL CHARACTERISTICS OF SOME ALLOYS OF THE Pd-Au SYSTEM

ORAL SESSION

Monday, 3 October 2022, 15:00 - 17:00

Chairperson: *Ana Kostov*

Tamara Maričić, Marijana Pantić, Marina Nenković-Riznić

THE CRITERIA AND INDICATORS FOR DEFINING THE SOCIAL ASPECTS IN SPATIAL PLANNING OF MINING REGIONS

Jovica Sokolović, Zoran Štirbanović, Ivana Ilić, Sandra Vasković

APPLICATION OF A COPPER SLAG AS A CONSTRUCTION MATERIAL

Zoran Karastojković, Ana Kostov, Radiša Perić

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Mirjana Stojanović, Milan Adamović, Jasmina Kustura,

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*Vladimir Topalović, Srđan Matijašević, Jelena Nikolić, Veljko Savić,
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PRESENTATION OF MONOGRAPH

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Chairperson: Ana Kostov

Monograph - Zoran Karastojković, Radiša Perić, Čelici (Steel)

POSTER SESSION

Monday, 3 October 2022, 15:00 - 18:00

Tuesday, 4 October 2022, 10:00 - 14:00

Chairpersons: Aleksandra Milosavljević, Lidija Đurđevac-Ignjatović, Emina Požega

Radmilo Rajković, Daniel Kržanović, Miomir Mikić, Milenko Jovanović, Emina Požega

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