



Ministry of Science and Higher Education of the Russian Federation
Siberian State Industrial University

**XXIII International Scientific and Research Conference
“METALLURGY: TECHNOLOGIES, INNOVATION, QUALITY”**

“Metallurgy – 2022”

<http://www.sibsiu.ru/nauka-i-innovacii/konferentsii-seminary-vystavki/metallurgiya/>

Russia, Novokuznetsk, SibSIU, 23-25 November 2022

Graduate students, teachers, scientists, employees of universities, research institutes, engineering centers and industrial enterprises are invited to participate in the conference.

●CONFERENCE SCHEDULE●

- Plenary session **November 23, 2022** 10:00-13:00
- Round table discussion **November 23, 2022** 14:00-17:00
- Presentation of papers in breakout sessions **November 24, 2022** 10:00-17:00
- Excursion to JSC “EVRAZ ZSMK” **November 25, 2022** 10:00-13:00

Official languages of the conference: Russian, English.

●PURPOSE OF THE CONFERENCE●

- Professional discussion of the latest research results and technological solutions in the field of production and processing of materials, materials science, power and resource saving, environment and recycling of industrial waste.

●BREAKOUT SESSIONS●

- 1. Research, theory and practice of metallurgical processes.**
(ferrous metallurgy, non-ferrous metallurgy, green metallurgy, etc.)
- 2. Research, theory and technology of processing materials for metallurgical production.**
(foundry, pressure treatment, heat treatment, etc.).
- 3. Modern technologies for metal processing.**
(welding and joining technologies, additive technologies, powder metallurgy, production of composite materials and coatings, high-energy processing, etc.).
- 4. Resource and energy saving, ecology and recycling of waste from metallurgical production, labor protection.**
(green agenda, environmental and environmental issues, carbon footprint reduction, industrial safety, etc.)
- 5. Automation of metallurgical and production processes.**
(automation and robotization, optimization of technological processes, etc.)

●ROUND TABLE●

Metallurgy today and tomorrow: personnel, environment, digitalization

●ORGANIZERS●

ADMINISTRATION OF KEMEROVO REGION
SIBERIAN STATE INDUSTRIAL UNIVERSITY
JSC “EVRAZ ZSMK”

JSC “RUSAL NOVOKUZNETSK”
JSC “KUZNETSKIE FERROSPLAVY”
JSC NZRMK n.a. “N.E. KRYUKOV”

UNIVERSITY OF SCIENCE AND TECHNOLOGY LIAONING, ANSHAN, PRC

●PARTNERS●

JSC “CHERMETINFORMATSIYA”
PUBLISHING HOUSE OF SIBERIAN BRANCH OF RAS
SCIENTIFIC AND TECHNICAL JOURNAL “IZVESTIYA. FERROUS METALLURGY”
SCIENTIFIC PEER-REVIEWED JOURNAL “BULLETIN OF THE SIBERIAN STATE INDUSTRIAL UNIVERSITY”
WORLD-CLASS RESEARCH AND ACADEMIC CENTRE “KUZBASS”
OJSC “KUZBASS TECHNOPARK”

●PROGRAMME COMMITTEE●

Yuriev A.B.
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Temlyantsev M.V.
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Ai Xingang

G.F.B. Lenz e Silva
He Zhijun

Arshad N. Siddiquee

Tang G.

Dr. Tech. Sc., Rector of SibSIU, Novokuznetsk, Russia

Dr. Tech. Sc., Vice-Rector for Academic Affairs of SibSIU, Novokuznetsk, Russia

Academician of RAS, Scientific Advisor of UIM, Ekaterinburg, Russia
Cand. of Tech. Sci., Technical Director of EVRAZ ZSMK JSC, Novokuznetsk, Russia

Managing Director of JSC “RUSAL Novokuznetsk”
General Director of JSC “Kuznetsk Ferroalloys”
General Director of JSC “NZRMK n.a. N.E. Kryukov”

Academician of the Academy of Sciences of the Republic of Tatarstan, Head of the laboratory “Corrosion-resistant materials” of the Institute of Chemistry n.a. Nikitin AS RT, Dushanbe, Republic of Tajikistan
Corresponding Member of the National Academy of Sciences of Belarus, Head of the Laboratory of Metal Physics of the ITA of the National Academy of Sciences of Belarus

Cand. of Tech. Sci., Dean of the Faculty of Special Equipment and Technology, ATU, Baku, Azerbaijan

Professor, Director of the Institute of Industrial Metallurgy, University of Science and Technology Liaoning, Anshan, PRC

Professor, University of Engineering, Sao Paulo, Brazil

Professor, Director of the High Technology Office, University of Science and Technology Liaoning, Anshan, PRC

Professor, Department of Mechanical Engineering, National Islamic University, New Delhi, India

Professor, Director of (Tsinghua University, China), Director of Advanced Materials Institute of Tsinghua University, Shenzhen, China

Gromov V.E.	Dr. Phys. and Math. Sci., Honored Worker of Science of the Russia, Head of the Department of Natural Sciences n.a. Prof. V.M. Finkel SibSIU, Novokuznetsk, Russia
Kolubaev E.A.	Dr. Tech. Sc., Director of the Institute of Strength Physics and Materials Science SB RAS, Tomsk, Russia
Klimenov V.A.	Dr. Tech. Sc., Head of the department of Materials Science, TPU, Tomsk, Russia
Mazur I.P.	Dr. Tech. Sc., Head of the Department of Metal Forming, Lipetsk State Technical University, Lipetsk, Russia
Popovich A.A.	Dr. Tech. Sc., Director of the Institute of Mechanical Engineering, Materials and Transport, SPbPU, St. Petersburg, Russia
Roshchin V.E.	Dr. Tech. Sc., Honored Scientist of the Russian Federation, Chief Researcher, South Ural State University, Chelyabinsk, Russia
Chukin M.V.	Dr. Tech. Sc., Rector of MSTU, Magnitogorsk, Russia

●ORGANIZING COMMITTEE●

Chinakhov D.A. Vice-chairman	Dr. Tech. Sc., Director of the Institute of Metallurgy and Materials Science, SibSIU, Novokuznetsk, Russia
Shevchenko R.A. Scientific Secretary	Cand. of Tech. Sci., deputy Director for Research, Institute of Metallurgy and Materials Science SibSIU, Chairman of Breakout Session 3, Novokuznetsk, Russia
Kibko N.V. secretary	Cand. of Tech. Sci., deputy Director of the Institute of Metallurgy and Materials Science, SibSIU, Novokuznetsk, Russia
Kolbasnikov N.G.	Dr. Tech. Sc., Professor of the Higher School of Physics and Technology of Materials, Institute of Mechanical Engineering, Materials and Transport, SPbPU, St. Petersburg, Russia
Konovalov S.V.	Professor, Vice-Rector for Research and Innovation, SibSIU, Novokuznetsk, Russia
Protopopov E.V.	Dr. Tech. Sc., Professor of the Department of Ferrous Metallurgy, SibSIU, Novokuznetsk, Russia
Polyakh O.A.	Cand. of Tech. Sci., Acting Head of the Department of Nonferrous Metallurgy and Chemical Technology, SibSIU, Chairman of Breakout Session 1, Novokuznetsk, Russia
Fastyskovsky A.R.	Dr. Tech. Sc., head Department of Metal Forming and Metal Science. EVRAZ ZSMK, SibSIU, Chairman of Breakout Session 2, Novokuznetsk, Russia
Temlyantseva E.N.	Cand. of Tech. Sci., Acting Head of the Department of Thermal Power Engineering and Ecology, SibSIU, Chairman of Breakout Session 4, Novokuznetsk, Russia
Zimin V.V.	Dr. Tech. Sc., Professor of the Department of Automation and Information Systems, SibSIU, Chairman of Breakout Session 5, Novokuznetsk, Russia
Morina G.A.	Leading Specialist of the Department of Scientific Research, SibSIU, Novokuznetsk, Russia

●IMPORTANT DATES●

Until September 25, 2022	Submission of applications and scientific reports for publication
October 28, 2022	Publication of the conference program on SibSIU website
November 22, 2022	Arrival, registration of participants
November 23-25, 2022	Conference
November 25, 2022	Excursion to JSC “EVRAZ ZSMK”, departure
Until November 10, 2022	Publication of proceedings on website of SibSIU and e-library http://elibrary.ru/

●PUBLICATION OF PAPERS AND FEES●

There is no fee for participation in the conference and publication of the paper.

The conference proceeding will be published by the beginning of the conference, indexed in the RSCI database and placed in the e-library <http://elibrary.ru/>.

Scientific reports recommended by the editorial board will be published in the foreign journal indexed in the Scopus database and the Web of Science. For the fees and the requirements please contact the Organizing Committee

●PUBLICATION MATERIAL REQUIREMENTS●

To participate in the conference, electronic versions of the application and paper should be sent to the Organizing Committee.

Application form

Name of the presenter _____
Affiliation, position _____
Academic degree _____
Zip address _____
Telephone, fax _____
E-mail _____
Section _____
Name of report _____
Authors _____
Type of report (plenary, section report, visitor, participation in absence) _____
Need for hotel _____

Requirements for submitted papers:

- Length of the submitted paper – 5-8 pages (page format - A4);
- Text editor – Microsoft Word 2003;
- Font – Times New Roman, font size – 12;
- Line spacing – single;
- Margins: top, bottom, outside, inside – 2 cm;
- Figures should be inserted into the text of the paper (wrap text – top and bottom)

Text layout:

title of the report (font 14 bold in the center, all upper-case letters);
on the next line – full name of the authors;
then in one spacing – affiliation, below the city, country, e-mail of the author (font 14, in italics, in the center);
in one spacing abstract (5-6 lines), (font 12, in italics);
in one spacing keywords (5-10 words) (font 12, italics);
in two spacings the text of the paper (font 14).
References are placed at the end of the paper (up to 10 references with all authors listed).

●CONTACTS●

Applications for participation in the Conference and papers should be sent by September 25, 2022 via e-mail with the subject “Metallurgy-2022” to Shevchenko Roman. E-mail: konf_imim@mail.ru, tel. +7 (3843) 46-26-29, +7 (3843) 74-89-12.

Post address: 654006, Novokuznetsk, 42 Kirova str., SibSIU, Office of scientific and technical information and intellectual property.