



SAINT PETERSBURG
MINING UNIVERSITY



TOPICAL ISSUES
2021
OF RATIONAL USE OF
NATURAL RESOURCES
May 31 - June 6



United Nations
Educational, Scientific and
Cultural Organization



International Competence Centre
for Mining-Engineering Education
under the auspices of UNESCO

XVII МЕЖДУНАРОДНЫЙ ФОРУМ-КОНКУРС СТУДЕНТОВ И МОЛОДЫХ УЧЕНЫХ

АКТУАЛЬНЫЕ ПРОБЛЕМЫ НЕДРОПОЛЬЗОВАНИЯ

XVII INTERNATIONAL FORUM-CONTEST OF STUDENTS AND YOUNG RESEARCHERS

TOPICAL ISSUES OF RATIONAL USE OF NATURAL RESOURCES

31 MAY – 06 JUNE 2021

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BREAKOUT SESSION 1

Innovative Technologies in The Field of Development and Operation of Hydrocarbon Fields

BREAKOUT SESSION 3

Topical Issues of Pipeline Transport in the 21st Century

Gajda Dawid

Silesian University of Technology, Poland

Thang Nguyen Van

Saint Petersburg Mining University, Russia

Shakhmardan Makhmetkhozha

Kazakh-British Technical University, Kazakhstan

Radmila Khayrullina

Ufa State Petroleum Technological University, Russia

Kseniia Zhukova

Montanuniversität Leoben, Austria

Abdumalik Gayubov

National University of Oil and Gas Gubkin University, Russia

Maksim Sharonov

Samara State Technological University, Russia

Yiyuan Yang

Tsinghua University, China

BREAKOUT SESSION 2

Promising Design and Engineering Solutions in Well Construction

Vlada Kovalchuk

Saint-Petersburg Mining University, Russia

Shahboz Qodirov

South Ural State University (National Research University), Russia

Hani AL Khalaf

University of Miskolc, Hungary

Nazim Alikhanov

Saint-Petersburg Mining University, Russia

Adrian Bugajny

AGH University of Science and Technology, Poland

Vitaly Kazaku

*Sergo Ordzhonikidze Russian State University for Geological
Prospecting, Russia*

Asad Safarov

Baku Higher Oil School, Azerbaijan

BREAKOUT SESSION 4

Chemical Technology of Natural Energy Sources, Carbon Materials and Inorganic Substances

Schrenk Florian

Technical University Vienna, Austria

Carneiro Araujo Rayana Hellen

TU Bergakademie Freiberg, Germany

Stalmach Dmitriy

Polotsk State University, Belarus

Balandinskij Daniil

Saint Petersburg Mining University, Russia

Skalny Mateusz

AGH University of Science and Technology, Poland

Laasonen Emma

Lappeenranta-Lahti University of Technology LUT, Finland

Grishin Iliia

Ivanovo State University of Chemistry and Technology, Russia

Gallardo Andrea

*Universidad de Investigación de Tecnología Experimental
Yachay, Ecuador*

Il'menskii Aleksei

Kazan National Research Technological University, Russia

BREAKOUT SESSION 5

Physical and Chemical Principles of Manufacturing Procedures and Equipment for Mineral Processing and Metallurgy

Pan Jinhe

China University of Mining and Technology

Diviš Jan

VSB - Technical University of Ostrava

Kuznetsov Valentin

Saint Petersburg Mining University

Kobylyanski Anatoly

Saint Petersburg Mining University

Zinurov Vadim

Kazan State Power Engineering University

BREAKOUT SESSION 6

Solid Minerals Extraction Technologies Labor Protection and Industrial Safety

Yaroslav Glatko

Roman Sul'timov

Seifula Buttaev

Georgiy Bondar

National University of Science and Technology MISIS, Russia

Ildar Fasylov

Saint-Petersburg Mining University, Russia

Anna Kurikalova

Saint-Petersburg Mining University, Russia

Kirill Anisimov

Saint-Petersburg Mining University, Russia

Paweł Deszcz

AGH University of Science and Technology, Poland

Yu Li

*School of Mines, China University of Mining and
Technology, China*

David Akopyan

Pashlusha Nersisyan

National Polytechnic University of Armenia, Armenia

BREAKOUT SESSION 7

Geomechanics and Mine Surveying in Mining and Underground Construction

Torbin Igor

Saint-Petersburg Mining University

Medvedev Daniel

National University of Science and Technology MISIS

Lebedeva Olesya

Perm National Research Polytechnic University

Zhelnin Maxim

*Institute of Continuous Media Mechanics of the Ural Branch of the
Russian Academy of Sciences*

Lopatin Sergey

Belarussian State University

Dementeva Anna

Saint Petersburg Mining University

Tiedtke Friederike

TU Bergakademie Freiberg

Hovakimyan Vrezh

National Polytechnic University of Armenia

BREAKOUT SESSION 8

Geodesy, Geoinformatics, Land Management and Cadaster

Christian Radach

TU Bergakademie Freiberg, Institute of Mine surveying and Geodesy, Germany

Dmitry Bykasov

Saint Petersburg Mining University, Russia

Agnieszka Ochałek

AGH University of Science and Technology, Poland

Mohamad Nasrullah

Lebanese International University, Lebanon

Ivan Raguzin

Saint Petersburg Mining University, Russia

BREAKOUT SESSION 9

Prospecting and Exploration of Mineral Deposits, Mineralogy, Petrology, Geochemistry, Hydrogeology, Geological Engineering, and Geophysical Exploration Techniques

BREAKOUT SESSION 10

Innovative Methods for Prospecting and Exploration of Oil and Gas Deposits

Zakharova Alena

Saint-Petersburg Mining University

Mukhametshin Adib

Kazan Federal University

Butorov Vladislav

Saint-Petersburg Mining University

Bravo Arturo H.

Technical University Bergakademie Freiberg

Lokhmatikov Georgiy

Saint-Petersburg Mining University

Kazaryan Angela

Bashkir State University

Knoblich Aron

Technical University Bergakademie Freiberg

Tereshchenko Vladimir

South Federal University

Shebl Ali

University of Debrecen

Satsuta Eugene

Belarusian National Technical University

BREAKOUT SESSION 11

Economics of Sustainability and Global Investment Trends

Katarzyna Styk

AGH University of Science and Technology, Poland

Maria Zelenaya

MGIMO University

Adriana Merino Zamora

TU Bergakademie Freiberg, Germany

Yulia Karpovich

Belarusian National Technical University, Belarus

Victoria Solovyova

Saint Petersburg Mining University, Russia

Arina German

Saint Petersburg Mining University, Russia

Ekaterina Kuznetsova

Saint Petersburg Mining University, Russia

BREAKOUT SESSION 12

Information Telecommunication Technologies and Digital Transformation

Fisonga Marsheal

University of Zambia, Zambia

Shibaev Ivan

National University of Science and Technology MISIS, Russia

Vdovin Aleksandr

Yuri Gagarin State Technical University of Saratov, Russia

Payor Vladimir

Saint Petersburg Mining University, Russia

Soboleva Yelizaveta

Saint Petersburg Mining University, Russia



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BREAKOUT SESSION 13

Innovations and Prospects for The Developments of Mining Mechanical Engineering

Nadzeya Tsiapava, Astapenka Tatsiana

Belarusian National Technical University, Belarus

Vitaly Galimov

Ufa State Aviation Technical University, Russia

Alban Metallari

Technical University of Freiberg, Germany

Shiraz Ahmed Siddiqui

University of Miskolc, Hungary

Maria Nacharova

Saint Petersburg Mining University, Russia

Piotr Kiljan

Silesian University of Technology, Poland

Anton Gritsaenko

Donetsk national technical university, Ukraine

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BREAKOUT SESSION 14

Energy Efficiency at The Enterprise of The Mineral Resources Sector

Dehyan Nahjavan Tapeh Ronald

Rybinsk State Aviation Technical University named after P.A. Solovyov, Iran

Rojczyk Martyna

The AGH University of Science and Technology, Poland

Dobush Julia

Saint-Petersburg Mining University, Russia

Sadkin Ivan

Novosibirsk State Technical University, Russia

Naghshi Saman

Montanuniversitaet Leoben, Austria

Abdallah Wael

Saint-Petersburg Mining University, Russia

BREAKOUT SESSION 15

Sustainable Development of Regions and Environmental Safety

Fernando Nicolas Vela

Universidad Politecnica de Madrid, Spain

Julia Tiganj

*Research Center of Post-Mining,
Technische Hochschule Georg Agricola University, Germany*

Irina Oberemok

National Research Tomsk Polytechnic University, Russia

Leonardo Rodríguez Mestre

University of Moa, Cuba

Tatsiana Astapenka and Nikita Yesman

Belarusian National Technical University, Belarus

Edelina Rudzisha

Saint Petersburg Mining University, Russia

Ekaterina Khlopotova

Tyumen State University, Russia

BREAKOUT SESSION 16

Waste Management Utilization, Water Treatment, Off-Gas Treatment, and Land Reclamation

Paushkina Kristina

National Research Tomsk Polytechnic University, Russia

Van Wassenaer Duco

Delft University of Technology, Netherlands

Sladkova Anastasiya

Saint-Petersburg Mining University, Russia



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BREAKOUT SESSION 17

Topical Issues and Contradictions of Modern Society Development

Swiniarska Olga

AGH University of Science and Technology, Poland.

Vasileva Vasilina

Saint Petersburg Mining University, Russia.

Voronova Natalia

Industrial University of Tyumen, Russia.

Synchikova Daria

Saint Petersburg State University, Russia

Zivkovic Vesna

National University of Oil and Gas Gubkin University, Russia, Serbia

Prokof'ev Viktor

National University of Oil and Gas Gubkin University, Russia

Ivanova Nadezhda

Saint-Petersburg Mining University, Russia

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BREAKOUT SESSION 18

Current Aspects of Architectural and Urban Activities

Winners

Sakhapova Kamilla, *Saint Petersburg Mining University, Russia*

Biryukov Alexander, *South Ural State University, Russia*

Abdulmalek Aya, *Lebanese University – Faculty of fine arts and architecture, Lebanon*

Diplomas for progressive research topics

Dmitriev Nikita, *Saint Petersburg Mining University, Russia*

Kotov Anatolii, *BTU Cottbus-Senftenberg, Germany*

Alseh Abdulsalam, *Saint Petersburg Mining University, Russia*

Diplomas for an innovative look in scientific research

Łokczewska Wiktoria, *Kruk Karolina, AGH University of Science and Technology, Poland*

Mansour Monzer, *Lebanese University – Faculty of fine arts and architecture, Lebanon*

Bortsova Anastasiia, *Saint Petersburg State University of Industrial Technologies and Design*