



PROGRAM

XI RUSSIAN (WITH INTERNATIONAL PARTICIPATION) SCIENTIFIC CONFERENCE

"MANAGEMENT, ECONOMICS, ETHICS, TECHNOLOGY: MEET 2025"

October 30-31, 2025

ORGANIZING COMMITTEE

Chair:

D.G. Petrakov, Vice-Rector for Educational Activities, Empress Catherine II Saint Petersburg Mining University

Members of the Organizing Committee:

Y.V. Ilyushin, Dean of the Faculty of Economics, Empress Catherine II Saint Petersburg Mining University

A.E. Cherepovitsyn, Head of the Department of Organization and Management, St. Petersburg Mining University named after Empress Catherine II

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Ponomarenko T.V., Professor, Department of Organization and Management, Empress Catherine II Saint Petersburg Mining University

Felix J.T., PhD, Executive Director of Sociedade Mineira do Luele (Republic of Angola)

Zinchenko V.N., Professor at the University of Barcelona (Spain) and the Metropolitan University (Republic of Angola), Advisor on Scientific and Technical Policy to the Production Directorate of Sociedade Mineira de Catoca (Catoca Ltd.) (Republic of Angola)

SCIENTIFIC COMMITTEE

Al Janabi Ammar, PhD, Al Nahrain University, Baghdad, Republic of Iraq

Aminov Inomjon, Professor, Tajik State Commercial University, Dushanbe, Republic of Tajikistan

Chinrijik Bavuu, Professor, Mongolian State University of Science and Technology, Ulaanbaatar, Mongolia

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Marinina Oksana Anatolyevna, Associate Professor, Saint Petersburg Mining University, Russian Federation

Tatyana Vladimirovna Ponomarenko, Professor, Saint Petersburg Mining University, Russian Federation

Yuri Nikolaevich Vasilyev, Associate Professor, Saint Petersburg Mining University, Russian Federation

October 30, 2025 (Thursday)

Link to connect:

<https://telemost.yandex.ru/j/93363809495905>

10.00 – 10.30 Opening of the conference. Welcome address to conference participants

Yuri Nikolaevich Vasilyev, Associate Professor, St. Petersburg Mining University named after Empress Catherine II, Russian Federation

Altinay Aksal Fahriye, Professor, Middle East Technical University, Nicosia, Turkish Republic of Northern Cyprus

Altinay Zera, Professor, Middle East Technical University, Nicosia, Turkish Republic of Northern Cyprus

Felix Joao Tunga, PhD, Executive Director, Sociedade Mineira do Luele, Republic of Angola

Tatyana Vladimirovna Ponomarenko, Professor, Empress Catherine II Mining University, Saint Petersburg, Russian Federation

SECTION 1

Technological, economic, and environmental problems and prospects for modern business and society in the global economy

Link to connect:

<https://telemost.yandex.ru/j/93363809495905>

***Moderators of Section 1:** Vasilyev Yuri, Mekerova Irina,
Dmitry Bratskikh, Yaroslav Sokolov, Kristina Strelchenko, Dinara Shagidulina*

October 30, 2025 (Thursday)

The section operates according to Moscow time

- 10:30 *Mark Haikin*: Problems of national economic development in the context of global confrontation.
- 10:45. *Williams Michel Vincent, Kuzyakov Oleg Nikolaevich*: Introduction to the application of Kalmogorov-Arnold neural network models (KAN) for mineral resource modeling.
- 11:00 *Fahriye Altinay, Zera Altinay*: Communication practices in lifelong learning skills through societal services.
- 11:15 *Vasilyev Yuri*: Formation of a "green" procurement system in the Russian Federation.
- 11:30 *Irina Mekerova, Alexey Cherepovitsyn*: Prospects for the palladium market in the development of the automotive industry.
- 11:45 *Alexey Novikov*: Development of industrial enterprise management tools.
- 12:00 *Marina Fadeeva*: Basic principles for forming a mechanism for the sustainable development of economic systems in the regions of the AZRF.
- 12:15 *Vladimir Kirillov, Vladimir Kolibaba*: Segmentation of engineering services in the nuclear power industry: methods and recommendations.
- 12:30 *Maxim Kuzin, Gilyan Fedotova*: Economic mechanisms for the sustainable development of the agro-industrial complex in the global economy.
- 12:45 *Shagidulina Dinara, Nevskaya Marina*: Justification of subsoil users' expenses for compensation for damage caused by accidental spills.

- 13:00 *Viktor Merkulov, Ksenia Kikkas*: Unmanned production in the Russian Arctic.
- 13:15 *Dmitry Bratskikh, Natalia Romashcheva*: Oil supply chain management: assessing efficiency and sustainability in the context of digital transformation.
- 13:30 *Yaroslav Sokolov, Tatyana Semyonova*: Economic and political-legal risks in the development of fields with hard-to-recover oil reserves.
- 13:45 *Kristina Strelchenko, Alexey Cherepovitsyn*: Analysis of the value chain for mica products.

14:00-14:30 - Break

- 14:30 *Tigran Davydov, Alexey Cherepovitsyn*: The contribution of lithium extraction from associated water to the sustainability of the oil and gas business in the global economy.
- 14:45 *Nunes Churrana, Tatyana Semenova*: Strategic directions for the economic and technological development of the oil and gas complex of the Republic of Mozambique.
- 15:00 *Qian Haidun, Gennady Sergeevich Galevsky*: Economic justification of projects in the field of hydrogen energy: application of a binary discount model based on LCOH.
- 15:15 *Alexander Mosquera Urbano*: Achievements and challenges of electromobility and renewable energy in Latin America.
- 15:30 *Juan Yair Martinez Santoyo, Tatyana Semenova*: Areas of private sector participation in Mexican oil production.
- 15:45 *Dmitry Radushinsky, Alexandra Radushinskaya*: Multifunctional social spaces - concept and main functions.

SECTION 2

Sustainable development of the mineral resource complex in the current geopolitical conditions

Link to connect:

<https://telemost.yandex.ru/j/22462197042989>

Moderators of section 2: Dmitry Koltsa, Alexander Lomakin, Ivan Volkov, Evgeny Kildyusho

October 30, 2025 (Thursday)

The section operates according to Moscow time

- 10:30 *Elana Avdeeva*: The fuel and energy complex of the Republic of Senegal at the current stage of development.
- 10:45 *Nadezhda Pokrovskaya*: Investing in the human capital of energy companies: Algerian-Russian cooperation.
- 11:00 *Yulia Lyubek*: Financial structure of the mechanism for supporting infrastructure projects in the mineral resources complex.
- 11:15 *Tan Lisha*: Methodological foundations of sustainable development of coal companies based on system analysis.
- 11:30 *Alexander Ivanov, Vladimir Zinchenko, Ilya Beloglazov*: Impurity elements in pyrope compositions - an indicator of kimberlite genesis and its diamond content.
- 11:45 *Alexander Ivanov, Vladimir Zinchenko, Benedito Paulo Manuel, Fidel Manuel Manasa, Igor Aschepkov*: Economic feasibility of platinum extraction from tailings of kimberlite diamond deposits in Russia and Angola.
- 12:00 *Olga Lenkovets*: The effectiveness of state management of the socio-economic development of the Arctic region.
- 12:15 *Igor Naumov, Oksana Marinina*: Analysis of the impact of macroeconomic factors on the implementation of low-profit projects.
- 12:30 *Nikita Kukachev, Dmitry Kotov*: Sustainable development of the oil and gas industry in the context of ESG transformation and implementation of the Russian Federation's Energy Strategy 2050.
- 12:45 *Alexander Lomakin, Oksana Marinina*: Utilization of coalbed methane - assessment in the context of the circular economy.
- 13:00 *Kou Jingna, Irina Dorozhkina, Alexey Cherepovitsyn*: Russian-Chinese strategic partnership in the Arctic: focus on rare earth metals.
- 13:15 *Koltsa Dmitry, Tatyana Semenova*: Economic assessment of corrosion protection methods in the oil and gas sector.
- 13:30 *Ivan Volkov, Tatyana Semenova*: Investment attractiveness of a metallurgical enterprise: methods of assessment.
- 13:45 *Nguyen Minh Phuong, Tatiana Ponomarenko*: Analysis of factors in the production of solar power generation facilities

14:00-14:30 - Break

- 14:30 *Konstantin Spivakov, Tatiana Ponomarenko*: Comparison of strategies for developing copper deposits in Mongolia.
- 14:45 *Amin Andreichuk, Pavel Tsvetkov*: Prospects for the use of CO₂ as a raw material for the production of carbon materials: an overview of technological trends and market conditions.
- 15:00 *Evgeny Kildyushov, Oksana Marinina*: Economic assessment of the mineral resource potential of uranium deposits: criteria, factors, methods.
- 15:15 *Gulam Rasul Khabrat, Yuri Puzin*: Study of combustion catalysts - mechanism of action in composite solid fuels

SECTION 3.1

Economics and management in the extractive industries: challenges and prospects (student section)

Link to connect:

<https://telemost.yandex.ru/j/66702633122119>

Moderators of section 3.1: Ekaterina Golovina, Elena Katysheva, Olga Batova, Yulia Lyubek

October 30, 2025 (Thursday)

The section operates according to Moscow time

- 10.30 *Ozoemena Emmanuel Ugwu, Pokrovskaya Nadezhda Nikolaevna*: Enhancing Patient Flow: Qr-Code Queue Solution for Digital Healthcare.
- 10.45 *Vladislav Baychenko, Olga Batova*: International Legal Regulation of Borders in the Arctic.
- 11:00 *Valentina Belobrova, Tatyana Semenova*: Improving the economic efficiency of digital technologies in gas supply to consumers.
- 11:15 *Nikita Gulenok, Tamara Chirkova*: Problems and prospects for the development of the Arctic regions of the Russian Federation.
- 11:30 *Ilya Gulyayev, Natalya Petrikeeva*: Problems and challenges facing the Russian Federation's fuel and energy complex in light of global economic developments
- 11:45 *Tatyana Erymoshina, Ekaterina Golovina*: Economic aspects of rare earth metal extraction from mine and quarry water runoff.
- 12:00 *Anastasia Smirnova, Egor Zabotin, Nikolai Metlyaev, Arunas Algis Lapinskas*: The use of digital twins to solve modern problems in pipeline transport.
- 12:15 *Konstantin Zangelidi, Yulia Lyubek*: Problems and prospects for the implementation of oil and gas projects in the Arctic region.
- 12:30 *Valeria Zayukova, Anna Tsvetkova*: Possible directions for improving the efficiency of PJSC Slavneft-Megionneftegaz.
- 12:45 *Grigory Zubakov, Ekaterina Lipina, Larisa Makhova*: Application of artificial intelligence in economic processes.
- 13:00 *Kabassema Koro Noe, Golovina Ekaterina*: State management of groundwater resources in the Republic of Togo.
- 13:15 *Ilya Karabanov, Tamara Chirkova*: Strategies for enterprise development in the face of modern challenges.
- 13:30 *Alexandra Koval, Elena Katysheva*: Prospects for the development of the Russian gas industry in modern conditions.
- 13:45 *Anastasia Smirnova, Natalia Petrikeeva*: Problems and challenges facing the Russian fuel and energy complex in light of global economic developments.

14:00-14:30 - Break

- 14:30 *Alena Korzh, Marina Nevskaya*: Problems of managing production facilities in the final stages of oil and gas field development.
- 14:45 *Ksenia Kosenko, Natalia Romashova*: Qualitative risk analysis in the development of the Achimov deposits.
- 15:00 *Anton Kuznetsov, Zhanna Aksenova*: Reducing transaction costs at oil and gas companies in Russia.
- 15:15 *Daria Kusova, Oksana Marinina*: The digital economy in the mineral resources sector: challenges and prospects.

- 15:30 *Alexey Kutuzov, Tamara Chirkova*: Strategies for enterprise development in the context of modern challenges.
- 15:45 *Yulia Lavrinyuk, Mark Khaykin*: Violation of mobile phosphorus content in Russian soils in the context of national security.
- 16:00 *Irina Larina, Yulia Lyubek*: The use of digital solutions in economic planning.
- 16:15 *Sergey Litvinov, Natalya Kirsanova*: The impact of the transport and logistics system on the development of the mineral resource complex in the Arctic zone of the Russian Federation.
- 16:30 *Renata Lomonosova, Marina Nevskaya*: Features of material resource management in the implementation of large oil and gas projects.
- 16:45 *Polina Lyushina, Yulia Lyubek*: Factors determining the economic efficiency of developing unconventional and hard-to-reach gas resources.
- 17:00 *Charo Mertvechenko, Daria Shupikova, Arunas Lapinskas*: Integration of ESG factors into the value model of mineral resource companies: assessment of intangible assets of the future.
- 17:15 *Mikhail A. Konyayev, Arunas A. Lapinskas*: Problems and prospects for the development of the mineral resources and fuel and energy sectors of the Russian Federation.
- 17:30 *Kirill Baluyev, Arunas Algis Lapinskas*: Development strategies for Russian enterprises in the face of modern challenges.
- 17:45 *Fyodor Gunyaga, Yulia Lyubek*: Improving the economic stability of oil companies amid volatile commodity prices.
- 18:00 *Svetlana Nikolaevna Kozulina, Vera Sergeevna Khloponina*: Analysis of the mineral resource base of scarce strategic tungsten ores in the North Caucasus region.
- 18:15 *Ivan Dubinin*: Legal regulation of geological information in the Russian Federation.

SECTION 3.2

Economics and management in the extractive industries: challenges and prospects (student section)

Link to connect

<https://telemost.vandex.ru/j/33497961537615>

Moderators of section 3.2: Tatyana Ponomarenko, Natalya Romashova, Viktoria Solovyova

October 31, 2025 (Friday)

The section operates according to Moscow time

- 10:30 *Alexander Masters, Ekaterina Golovina*: Restructuring the taxation system for groundwater extraction.
- 10:45 *Egor Mestnikov, Zhanna Aksenova*: Current state and prospects for the development of the Russian natural gas market.
- 11:00 *Georgy Mironov, Yulia Lyubek*: Main directions of strategic development of gasification enterprises in Russia.
- 11:15 *Daria Nazarova, Mark Khaykin*: Study of the effectiveness of a full-cycle agricultural production company.
- 11:30 *Nikita Nurgi, Tamara Chirkova*: Modern technological achievements, problems, and prospects in the field of energy efficiency.
- 11:45 *Karina Oorzhak, Lyudmila Subrakova*: Problems of the coal industry in the Republic of Khakassia.
- 12:00 *Stepan Osintsev, Vera Nikiforova*: Ensuring sustainable development of an enterprise by increasing its innovative potential.
- 12:15 *Viktoria Pavlina, Sergey Galevsky*: Features of calculating the discount rate for assessing the economic efficiency of oil company projects.
- 12:30 *Maxim Panov, Natalia Romashova*: Economic assessment of project solutions for the utilization of associated petroleum gas in the Far North.
- 12:45. *Konstantin Vladimirovich Pakhomov, Oksana Anatolyevna Marinina*: Use of ash and slag waste in the circular economy and resource conservation.
- 13:00 *Alexander Petrikeev, Natalia Petrikeeva*: Strategies for developing the environmental component of the Russian Federation's fuel and energy complex.
- 13:15 *Simpara Garaba, Lyubek Yulia*: Directions for the development of the mining sector in the Republic of Mali.
- 13:30 *Egor Solovenchuk, Diana Dmitrieva*: Digital transformation in the mining and energy sectors in the context of import substitution: challenges and adaptation approaches.
- 13:45 *Yulia Sopina, Alexey Novikov*: Developing a system for involving personnel in the process of continuous improvement (Kaizen) at an industrial enterprise (using the example of Power Machines JSC).

14:00-14:30 – Break

- 14:30 *Grigory Zubakov, Ekaterina Golovina*: Development of the gold mining movement in Russia.
- 14:45 *Alina Starostina, Anna Tsvetkova*: Possible strategic directions for investment by Russian oil and gas companies.
- 15:00 *Lyudmila Tazayan, Natalya Romashova*: Digital transformation of oil and gas companies in the context of low-carbon development.
- 15:15 *Svyatoslav Telegin, Elena Katysheva*: Problems and challenges in economic relations between Russia and China in the oil and gas industry.
- 15:30 *Sana Farra, Mikhail Afanasyev*: Human resource management in the context of energy transition: the strategic dilemma of Saudi Aramco.
- 15:45 *Ekaterina Frolova, Alexandra Volchikhina*: Synthesis of engineering graphics and parametric modeling methods in digital design at MSC/

- 16:00 *Alexander Khatrusov, Dmitry Tukeev*: Detection of anomalies in oil well operating data: stability of methods when expanding the training sample.
- 16:15 *Alexandra Khudorozhko, Oksana Marinina*: Economic evaluation of a model for digital maintenance of diamond mining company equipment as part of an import substitution program.
- 16:30 *Semen Yurkin, Marina Nevskaya*: Features of risk management in the modernization of large mining complexes.
- 16:45 *Ksenia Chernetsova, Ekaterina Golovina*: Problems of economic feasibility of extracting rare metals from associated waters of oil and gas fields: technological and geological aspects/
- 17:00 *Sofya Chirkina, Ekaterina Golovina*: Prospects for converting depleted quarries into business projects.
- 17:15 *Aliya Sharifullina, Yuri Ilyushin*: Oil well drilling monitoring with Artificial Intelligence implementation.
- 17:30 *Elizaveta Shchirova, Alexey Cherepovitsyn*: Economic efficiency of digital solutions for improving the sustainability of mining companies.

Organizing committee address:

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