



PROGRAM
X INTERNATIONAL CONFERENCE
«MANAGEMENT, ECONOMICS, ETHICS, TECHNOLOGY: MEET 2024»
October 10-11, 2024

ORGANIZING COMMITTEE

Chairperson:

Brichkin Vyacheslav, Director of the Institute of Scientific Competences, Empress Catherine II Saint Petersburg Mining University

Co-chairpersons:

Petrakov Dmitry, Vice-Rector for Educational Activities, Empress Catherine II Saint Petersburg Mining University

Ilyushin Yury, Dean of the Faculty of Economics, Empress Catherine II Saint Petersburg Mining University

Members of the organizing committee:

Cherepovitsyn Aleksey, Head of the Department of Organization and Management, Empress Catherine II Saint Petersburg Mining University

Marinina Oksana, Head of the Department of Sectoral Economics, Empress Catherine II Saint Petersburg Mining University.

Khaykin Mikhail, Head of the Department of Economic Theory, Empress Catherine II Saint Petersburg Mining University.

Pervukhin Dmitry, Professor of the Department of System Analysis and Management, Empress Catherine II Saint Petersburg Mining University

Punsalmaagiin Ochirbat., Professor, Mongolian State University of Science and Technology

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

Zinchenko Vladimir, Professor of the University of Barcelona (Spain) and University of Metropolitan (Republic of Angola), Advisor on Scientific and Technical Policy of the Production Directorate of «Sociedade Mineira de Catoca (Catoca Ltd.)» (Republic of Angola).

SCIENTIFIC COMMITTEE

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

Aminov Inomdjon, Professor, Tajik State Commercial University, Republic of Tajikistan

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Felix Joao Tunga, PhD, Luele Mining Society (Sociedade Mineira do Luele company), Luanda, Republic of Angola

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Andrei Kologrivko, Professor, Belarus National Technical University, Republic of Belarus

Nadezhda Komendantova, PhD, International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria

Punsalmaagiin Ochirbat, Professor, Mongolian State University of Science and Technology, Mongolia

Chinh Dinh Cong, PhD, Institute of Training and International Cooperation, East Asian University of Technology, Hanoi, Socialist Republic of Vietnam

Alexey Cherepovitsyn, Professor, St. Petersburg Mining University, Russian Federation

Oksana Marinina, Associate Professor, St. Petersburg Mining University, Russian Federation

Tatyana Ponomarenko, Professor, St. Petersburg Mining University, Russian Federation

Yury Vasiliev, Associate Professor, St. Petersburg Mining University, Russian Federation

October 10, 2024 (Thursday)

10.00 - 10.30 Opening of the Conference. Welcoming speech to the participants of the conference

<https://my.mts-link.ru/j/59714395/1622797652>

Yury Vasiliev, Associate Professor, St. Petersburg Mining University, Russian Federation

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

Zinchenko Vladimir, Professor, University of Barcelona (Spain) and University of Metropolitan (Republic of Angola), Advisor on Science and Technology Policy, Production Directorate of «Sociedade Mineira de Catoca (Catoca Ltd.)», Republic of Angola.

Altinay Aksal Fahrieh, Professor, Ataturk Middle East University, Turkey

Tatyana Ponomarenko, Professor, St. Petersburg Mining University, Russian Federation

SECTION 1

«Sustainable economic development of the mineral and raw materials complex»;
«Modern energy challenges: economic development of hydrocarbon energy and renewable energy technologies»

SECTION 1 <https://my.mts-link.ru/j/59714395/1622797652>

Section 1 moderators: *Yury Vasiliev, Amina Chanysheva, Evgeniya Rutenko, Marina Nevskaya, Andrey Lebedev, Anna Tsvetkova*

October 10, 2024 (Thursday)

The section operates according to Moscow time

- 10.30 *Nesrin Menemençi, Zehra Altinay, Fahrieh Altinay, Gökmen Dagli:* Accessible Tourism and Cultural Services for All to Achieve Sustainable Development Goals 4 and 10
- 10.45 *Martinez Santoyo Juan Yair, Tatyana Semyonova:* Research and intellectual property: assessing the effectiveness of innovation in a Mexican petroleum institute
- 11.00 *Elana Avdeeva:* Development of the circular economy concept in the fuel and energy complex
- 11.15 *Pokrovskaya Nadezhda:* Strategic Forecasting of Arctic Oil and Gas Complex Development
- 11.30 *Inna Zhukova, Alexander Zubarev:* Integration of Scientific Approaches to Industry Management in an Information and Digital Economy
- 11.45 *Svetlana Pogozheva:* Conceptual, Investment and Technological Trends in Human Capital Management of Russian Oil and Gas Companies
- 12.00 *Afanasiev Mikhail, Urazbakhtina Liliya:* Innovation factor in strategic planning: a key element for competitiveness of mineral and raw material complex enterprises
- 12.15 *Ilya Kurochkin:* Environmental management tools and their necessity at the enterprise
- 12.30 *Dmitry Luchin, Irina Brusakova:* Use of digital transformation technologies for small foundry production within the framework of development of decision support system for production processes management
- 12.45 *Yaroslav Sokolov, Tatiana Semyonova:* Economic Aspects of Selecting Exploration Methods in the Arctic
- 13.00 *Churrana Nunes Jose, Tatyana Semenova:* The State of the Oil and Gas Industry in the Republic of Mozambique and the Path of its Development
- 13.15 *Dou Xiangping, Svetlana Kuzmina:* In the Context of Energy Transition: Challenges and Opportunities of Hydrogen Energy
- 13.30 *Zarey Kariani Sadegh:* The Role of Renewable Energy Production Policies and Instruments in Improving Resource Access and Utilization

- 13.45 *Dmitry Antonov, Nadezhda Pokrovskaya*: Digital Transformation of Oil and Gas Enterprises in the Context of Technological Sovereignty and Import Substitution

14.00 - 14.30 – coffee break

- 14.30 *Kristina Strelchenko, Alexey Cherepovitsyn*: Prospects of development of the world mica market
- 14.45 *Evgeny Kildyushov, Oksana Marinina*: Analysis of Nuclear and Hydropower Development in Russia: Multivariate Approach and Comparative Analysis
- 15.00 *Nguyen Minh Phuong, Tatyana Ponomarenko*: Comparative analysis of solar energy in Southeast Asian countries
- 15.15 *Mikhail Babenko, Olga Orlova*: Integrated analysis of potential government support measures for low-carbon energy sector development projects
- 15.30 *Dinara Shagidulina, Marina Nevskaya*: Problems of oil spills in Arctic economic conditions (analysis and solutions)
- 15.45 *Elena Gukhman, Maria Kosukhina*: Review of approaches to assessing the competitiveness of the technology entrepreneurship ecosystem in the region
- 16.00 *Natalia Kirsanova*: Sustainable Development of Mining Territories in the Arctic Zone of the Russian Federation: Constraints and Prospects
- 16.15 *Denis Suchkov, Tatiana Litvinova*: Utilization of gypsum-containing wastes of mineral and raw materials complex
- 16.30 *Svyatov Alexander, Kolibaba Vladimir*: Use of the digital ruble in electricity trading in local and isolated power systems
- 16.45 *Vladimir Kirillov, Vladimir Kolibaba*: Methods to reduce the risk of blocking the chain of engineering services in the nuclear power industry

SECTION 2

«Economic and social problems of modern business and society in the global economy»;
«Issues of strategic management and planning in companies of the mineral and raw materials complex»

SECTION 2 <https://my.mts-link.ru/j/59921415/862741098>

Section 2 moderators: *Marina Kruk, Evgeny Marin, Gennady Stroikov, Natalia Kirsanova, Alexander Martirosyan*

October 10, 2024 (Thursday)

The section operates according to Moscow time

- 10.30 *Rzun Irina, Gilmanova Tatiana*: Application of methods for analyzing the IT architecture of a mining company
- 10.45 *Irina Brusakova, Natalia Zaozerskaya, Vladimir Fomin*: Peculiarities of estimation of economic effect of software application in innovative design
- 11.00 *Kosukhina Maria, Shashina Nina*: Institutional Approach to the Study of the Management System of Technological Entrepreneurship Development
- 11.15 *Tamara Chirkova*: Human Resource Management in a High-Risk Environment: Attracting and Retaining Professionals
- 11.30 *Evgeny Molchanov*: Analysis of the impact of the policy of unfriendly states on the financial development of the Russian oil industry
- 11.45 *Melnichuk Danil, Vaganova Valentina*: Threats to the economic security of the enterprise in the current conditions of economic globalization
- 12.00 *Andrey Vinyukov, Nadezhda Pokrovskaya*: Mechanisms of socio-economic development of regions
- 12.15 *Artem Bandyuk, Yulia Vylgina*: Problems and ways of solving commercial issues when bringing innovations to the market of medical equipment
- 12.30 *Alexander Puchkov, Natalia Golubetskaya*: Using industry standards in the development of Iot platform applications
- 12.45 *Anastasia Lysenkova, Maria Kosukhina*: Factors of development of innovation activity of technological entrepreneurship ecosystem in the region
- 13.00 *Andrey Andrievsky, Natalia Golubetskaya*: Sustainable development through innovation: the role of digital technologies in the circular economy of the chemical industry
- 13.15 *Alexandra Rusina, Alexander Karyakin*: Formation of an innovation team based on the methodology of I. Adizes' classification of management styles
- 13.30 *Andrey Zimin*: A scientometric approach to publications in ESG and finance
- 13.45 *Nasibullin Iskander, Skrypnyuk Jamilya*: Innovation and technological development of the country as a factor of ensuring its competitiveness in the context of global challenges

14.00 - 14.30 - coffee break

- 14.30 *Alexander Ivanov, Vladimir Zinchenko, Benedito Paulo Manuel, Felix João Tunga, Tinta Vunda Manuel*: 4E method for CLIPPIR prediction of diamonds in kimberlites based on pyrope and ilmenite compositions (on the example of Angolan kimberlites)
- 14.45 *Natalia Romasheva, Diana Dmitrieva*: Decarbonization Processes of Oil and Gas Companies in Russia: Influence of Internal and External Factors
- 15.00 *Konstantin Spivakov, Tatiana Ponomarenko*: Assessment of economic efficiency of alumina production diversification through the use of alternative raw materials on the example of UC Rusal
- 15.15 *Qian Haidong, Sergey Galevsky*: Hydrogen Production in China: Trends and Prospects
- 15.30 *Irina Mekerova*: Prospects for the development of the coal industry in Russia
- 15.45 *Anastasia Shabalina, Marina Kruk*: Essence and classification of investment oil and gas projects

- *16.00 Alexey Novikov: On the Way to Neural Network Management*
- *16.15 Perdomo Milian Anabel, Kruk Marina: Punta Gorda Abandoned Mine Rehabilitation Project*
- *16.30 Marina Fadeeva, Tatiana Tolstykh: Scenarios of Formation of the Mechanism of Sustainable Development of Economic Systems in the Arctic Zone of Russia*
- *16.45 Alexey Fadeev: Prospects of the Northern Sea Route Development in Modern Macroeconomic Conditions*
- *17.00 Dmitry Bratskikh, Natalia Romasheva: Supply chain management in an oil and gas company: main trends, problems, perspectives of using digital technologies*

SECTION 3 (student)

«Management and Economics: Challenges and Prospects»

SECTION 3 <https://my.mts-link.ru/j/59921489/1634264082>

Section 3 moderators: *Ekaterina Golovina, Elena Katysheva, Olga Batova, Svetlana Pasternak, Yulia Lubek*
October 10, 2024 (Thursday)

The section operates according to Moscow time

- 10.30 *Ilya Gulyaev, Dmitry Kitaev*: Prospects for LNG infrastructure development in Russia
- 10.45 *Jahanara Fardous Chowdhury*: Technological, Economic and Environmental Challenges and Prospects for Modern Business and Society in the Global Economy
- 11.00 *Elizaveta Shchirova, Alexey Cherepovitsyn*: Formation of circular economy in the mineral resource complex
- 11.15 *Daniel Marin, Irina Brusakova*: The Impact of AI-Powered Chatbots on Customer Service Efficiency in Global E-commerce
- 11.30 *Madina Radjabova, Sergey Shaposhnikov*: Improving the quality of education for preparing applicants to technical universities
- 11.45 *Dmitry Novikov, Yulia Grigorieva*: Corporate Codes of Oil and Gas Companies as a Means of Development on the Global Stage
- 12.00 *Bolshakova Nina, Vylgina Yulia*: Art Market in Modern Conditions
- 12.15 *Ivanov Vadim, Artamonova Olga*: Features of software quality management for the extractive industry
- 12.30 *Evgeny Nanovsky, Elena Suvorova*: Peculiarities of Electric Power Industry Development in the Far East
- 12.45 *Lomakin Alexander, Marinina Oksana*: Improvement of technological strategy of company development in rational development of natural energy resources: literature review
- 13.00 *Daria Buts, Vera Silaeva*: Application of ESG-principles on examples of large Russian companies
- 13.15 *Nikeshina Angelina, Lubek Julia*: Economic rationale for the introduction of blockchain platforms into project finance schemes in the oil and gas sector
- 13.30 *Oksana Zaitseva, Amina Chanysheva*: Human Capital Management in MBC Companies (on the example of MMC Norilsk Nickel)
- 13.45 *Ilya Cherednik, Alexey Novikov*: Problems of implementation of «lean production» at enterprises of the mineral and raw materials complex

14.00 - 14.30 - coffee break

- 14.30 *Evgeniya Tarasova, Dmitry Radushinsky*: Technology of thrice periodic gyroidal structures: economic prospects of application
- 14.45 *Taukeev Batyrzhan, Nevskaya Marina*: Improving the efficiency of transportation of high-viscosity oil
- 15.00 *Polina Ivanova, Yuri Vasiliev*: Strategic analysis of prospects for CCUS-technologies development in the Russian Federation
- 15.15 *Daniil Vorobyev*: Quality Management in Extractive Industries, 21st Century Standards
- 15.30 *Tatyana Fedkova, Dmitry Radushinsky*: Materials from silicon carbide ceramics: economic prospects of application
- 15.45 *Yulia Lavrinyuk, Ekaterina Golovina*: Application of Artificial Intelligence as a Means of Solving the Problem of Employee Turnover in Leading Russian Mineral Fertilizer Companies

- *16.00 Ivan Volkov, Tatiana Semyonova: Evaluation of investment potential of metallurgical enterprises*
- *16.15 Sokolov Mikhail, Batova Olga: The Role and Importance of Trademark in Branding Educational Technologies*
- *16.30 Skovorodnikova Anastasia, Lubek Julia: Economic substantiation of directions of innovative development of enterprises of the aluminum industry in Russia*
- *16.45 Ksenia Nikolaeva, Sofia Nikolaeva, Nadezhda Pokrovskaya: Mechanisms of Socio-Economic Development of Regions*
- *17.00 Anna Filimonova, Sergey Galevsky: Sustainable development of gold mining companies in modern geopolitical conditions*
- *17.15 Daria Ulasovets, Alexey Cherepovitsyn: Formation of strategic alternatives for the development of production and metallurgical processing of critical metals at MMC Norilsk Nickel*

SECTION 4 (Student)
«Management and Economics: Challenges and Prospects»

SECTION 4 <https://my.mts-link.ru/j/61455939/1293771698/session/1717410468>

Section 4 moderators: *Tatyana Ponomarenko, Natalia Romasheva, Sergey Galevsky, Victoria Solovyova, Alexander Nikiforov*

October 10, 2024 (Thursday)

The section operates according to Moscow time

- *10.30 Andreychuk Amina, Tsvetkov Pavel:* Analysis of structure and trends of global climate policy development
- *10.45 Sofia Chirkina, Ekaterina Golovina:* Environmental Risks and Economic Trends of KPO Construction at Waste Sand Pit Sites
- *11.00 Chinh Chong Nghia, Sergey Sidorenko:* Technological, economic and environmental problems and prospects of modern business and society in the global economy
- *11.15 Bashirova Polina, Medvedeva Ludmila:* Improving the efficiency of natural gas production from watered gas wells
- *11.30 Anna Popova, Arūnas Lapinskas:* Main problems of sustainable development of the mineral and raw materials complex of Russia: relevance, prospects
- *11.45 Arthur Abdullin:* Problems and Prospects of Development of Mineral-Raw Materials Complex
- *12.00 Alina Nikishina:* Methods for assessing sustainable development of MBC enterprises in the context of economic and environmental challenges
- *12.15 Olga Chistyakova, Yulia Vylgina:* Justification and formation of problem areas in the field of strategic management through target strategic indicators
- *12.30 Aida Belous, Gennady Stroikov:* Application of modern energy efficient technologies in industrial production
- *12.45 Nikita Karavaev, Yuri Katsuba:* Application of automotive equipment in oil and gas technologies in the Arctic region
- *13.00 Danil Spitsyn, Olga Artamonova:* Features of software quality management for the extractive industry
- *13.15 Natalia Petrovets, Oleg Buchnev:* Perspective of Power Engineering in BRICS Countries
- *13.30 Bokov Danila, Galevsky Sergey:* Application of chemical enhanced oil recovery technology to improve hydrocarbon recovery efficiency of Tula horizon deposits
- *13.45 Zaitseva Nadezhda Zaitseva:* Business Process Reengineering in Manufacturing

14.00 - 14.30 - coffee break

- *14.30 Madina Radjabova, Sergey Shaposhnikov:* Quality Management in Extractive Industries
- *14.45 Georgy Grigachev, Ekaterina Golovina:* Peculiarities of taxation of artisanal gold mining enterprises
- *15.00 Varvara Pechenkina, Victoria Solovyova:* Problems and Prospects of Development of Technogenic Deposits in Russia
- *15.15 Hao Yubo:* Mining and production of rare earth metals in China, sustainable development trends in the era of digitalization
- *15.30 Tigran Davydov, Oksana Marinina:* Increasing energy and financial efficiency of well drilling through conversion of drilling units to hydrocarbon gases
- *15.45 Prunchak Maxim Prunchak, Savenok Olga:* Prospects of application of vapor gravity reservoir drainage technology in the field of energy efficiency of oil and gas projectors

- *16.00 Vitaly Gavrilov, Svetlana Pasternak:* Independent assessment of Gazprom's value
- *16.15 Anton Kryukov, Olga Batova:* Application of blockchain technologies in the mineral and raw materials sector
- *16.30 Mikhail Gilvitinov, Vera Zakharova:* Review of the methodology of multilevel system of requirements in the field of technological problem solving
- *16.45 Alexandra Deeva, Tamara Chirkova:* Human Resource Management in High-Risk Environments: Attracting and Retaining Specialists
- *17.00 Antoshina Anfisa, Lubek Julia:* Justification of investment attractiveness of mining and metallurgical companies in the context of sustainable development
- *17.15 Damir Sitdikov, Julia Lubek:* Application of simultaneous separate operation technology to improve the development efficiency of multilayer oil fields

SECTION 5 (Student)
«Management and Economics: Challenges and Prospects»

SECTION 5 <https://my.mts-link.ru/j/61455939/1823983207/session/1587029582>

Section 5 moderators: *Alexey Novikov, Denis Suchkov, Pavel Tsyglianu, Victoria Vinogradova, Dmitry Glukhov*

October 10, 2024 (Thursday)

The section operates according to Moscow time

- *10.30 Davletov Henrikh, Smirnova Nina:* Physical quantities and methods used in economics
- *10.45 Alina Starostina, Anna Tsvetkova:* Economic efficiency of using automatic pipe welding equipment for gas pipeline construction
- *11.00 Valeria Kraeva, Anna Timofeeva:* Challenges and Prospects of Sustainable Development and Innovation in Extractive Industries
- *11.15 Akulov Sergey, Medvedeva Ludmila:* Analysis and assessment of opportunities for application of digital technologies in oil refining
- *11.30 Dmitriev Daler, Nevskaya Marina:* Impact of economic sanctions on the activities of companies in the mineral and raw materials sector
- *11.45 Abodiab Ali, Lubek Julia:* Economic feasibility of developing hard-to-recover reserves using thermal techniques
- *12.00 Emilia Alekseeva, Anna Tsvetkova:* Strategic anti-crisis management of mining enterprises on the example of MMC Norilsk Nickel PJSC
- *12.15 Irina Pivnitskaya, Marina Nevskaya:* Analysis of methods of strategic HR management in MSC with application of IT-technologies (on the example of PJSC Severstal)
- *12.30 Naila Galimova, Alexey Cherepovitsyn:* Problems of strategic development of JSC Polymetal in the context of transformation of the global economy
- *12.45 Anna Dragunova, Zhanna Aksyonova:* Study of the factors of economic growth of the oil and gas industry under sanctions pressure
- *13.00 Kusova Daria, Marinina Oksana:* Digital Economy in the Mineral Resources Sector
- *13.15 Maxim Dolgov, Elena Katysheva:* Sustainable development of the oil and gas industry in the period of foreign economic constraints
- *13.30 Nikolay Butorinin, Lyudmila Medvedeva:* Improving oil recovery efficiency at fields with hard-to-recover oil reserves
- *13.45 Berseneva Sofia, Galevsky Sergey:* The potential of circular economy in reducing energy costs of mining enterprises

14.00 - 14.30 - break

- *14.30 Selimov Elmin, Chanysheva Amina:* Strategic Human Resource Management in a Digitalized and Unstable Economy
- *14.45 Popov Maxim:* Actual problems of quality management in the aircraft industry
- *15.00 Botkina Margarita, Stroikov Gennady:* Improving the economic efficiency of innovation activity of companies in the mineral resources industry
- *15.15 Veronika Tyulkina, Olga Batova:* International Boundaries of the Arctic
- *15.30 Svetlana Kozulina, Vera Khloponina:* Analysis of problems of reproduction of chromium mineral resource base in the Russian Federation
- *15.45 Anton Niyazov, Olga Lenkovets:* The role of land management in the mineral resource complex of the Russian Federation
- *16.00 Anastasia Vysheratina, Olga Afanasyeva:* Research of factors influencing the efficiency of functioning of a structural subdivision of an oil and gas enterprise

- *16.15 Anastasia Svertokina, Olga Afanasyeva: Study of factors affecting the oil flow rate of oil and gas enterprises*
- *16.30 Jalolov Navruz, Katysheva Elena: Problems and Prospects of Energy Sector Development in the Republic of Tajikistan*
- *16.45 Gasymov Ramal, Kruk Marina: Problems of marine transportation of hydrocarbons*

October 11, 2024 (Friday)

Round table: summarizing the results of the conference

Moderators: *Yury Vasiliev, Amina Chanysheva*

Address of the organizing committee

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