



VII INTERNATIONAL CONFERENCE «MANAGEMENT, ECONOMICS, ETHICS, TECHNICS – MEET-2021»

Titled: *Economic, social and civilization challenges in the globalizing world*
organized by: Faculty of Economy at the Saint Petersburg Mining University (Russia)
and Department of Economics and Computer Science at the Silesian University of Technology (Poland)
Conference Programme: October 07 / 2021 (according to the Moscow time zone)

The scope of the conference includes the following issues:

1. **Economic and social problems of modern business and society in the global economy;**
2. **Sustainable economic development of the mineral resource complex in the post-pandemic period;**
3. **Questions of strategic management and planning in the companies of the mineral resource complex;**
4. **Modern energy challenges: economic development of hydrocarbon energy and renewable energy technologies;**
5. **Formation of a circular economy in the mineral resources complex;**
6. **Strategic forecasting of the oil and gas complex development in the Arctic.**

Date and place: 7th of October 2021, Department of Economics and Computer Science at the Silesian University of Technology, Zabrze, Poland (the international part of conference is organized in a form of videoconference).

The papers will be published in «Resource» (MDPI) or Scientific Papers of The Silesian University of Technology, series: Organization and Management (20 points on list B of Ministry of Science and Higher Education).

Scientific Committee

1. Bijańska Jolanta, PhD, Silesian University of Technology, Poland
2. Cherepovitsyn Alexey, Professor, Saint-Petersburg Mining University, Russia
3. Gumiński Adam, Associate Professor, Silesian University of Technology, Poland
4. Grebski Wiesław, Professor, Penn State University, USA
5. Jonek-Kowalska Izabela, PhD, Associate Professor, Silesian University of Technology, Poland
6. Kuzior Aleksandra, PhD, Associate Professor, Silesian University of Technology, Poland
7. Komendantova Nadejda, Dr., International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria
8. Kraslavski Andrzej, Professor, Lappeenranta University of Technology, Finland
9. Marinina Oksana, PhD, Associate Professor, Saint-Petersburg Mining University, Russia
10. Michalak Aneta, PhD, Associate Professor, Silesian University of Technology, Poland
11. Mizgała Jerzy, PhD, Silesian University of Technology, Poland
12. Ponomarenko Tatiana, Professor, Saint-Petersburg Mining University, Russia
13. Punsalmaagiin Ochirbat, Professor, Mongolian State University of Sciences and technology, Mongolian
14. Turek Marian, Professor, Silesian University of Technology, Poland
15. Vasilev Yurii, PhD, Associate Professor, Saint-Petersburg Mining University, Russia
16. Viere Tobias, Professor, Pforzheim University, Germany
17. Wodarski Krzysztof, PhD, Professor, Silesian University of Technology, Poland
18. Wolniak Radosław, Professor, Silesian University of Technology, Poland

Organization Committee

Chairperson: Cherepovitsyn Alexey – Professor, Saint-Petersburg Mining University, Russia
Co-Chair: Jonek-Kowalska Izabela – PhD, Associate Professor, Silesian University of Technology, Poland

Members: Wolniak Radosław – Professor, Silesian University of Technology, Poland
Michalak Aneta – PhD, Associate Professor, Silesian University of Technology, Poland
Ponomarenko Tatiana – Professor, Saint-Petersburg Mining University, Russia
Marinina Oksana – PhD, Associate Professor, Saint-Petersburg Mining University, Russia
Vasilev Yurii – PhD, Associate Professor, Saint-Petersburg Mining University, Russia
Nevskaya Marina – PhD, Associate Professor, Saint-Petersburg Mining University, Russia
Ilinova Alina – PhD, Associate Professor, Saint-Petersburg Mining University, Russia
Tsvetkova Anna – PhD, Associate Professor, Saint-Petersburg Mining University, Russia

Important dates:

- **15.06.2021** – sending an application <http://meet.spmi.ru/> (for all questions contact: izabela.jonek-kowalska@polsl.pl, [Marinina OA@pers.spmi.ru](mailto:Marinina_OA@pers.spmi.ru))
- **15.09.2021** – sending papers in English, compliant with the formatting requirements attached in this invitation, via e-mail to izabela.jonek-kowalska@polsl.pl (concerns the participants interested in publication in Scientific Papers of The Silesian University of Technology, series: Organization and Management),
- **07.10.2021** – the conference.

Organizer's address

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PROGRAM of VII INTERNATIONAL CONFERENCE
«MANAGEMENT, ECONOMICS, ETHICS, TECHNICS – MEET-2021»

10⁰⁰ – 10³⁰ – opening of the conference

The link to the event is available at: <https://spmi.webex.com/spmi/j.php?MTID=m08191e323d54cf0ea38e8ba1eb0a2de0>

Kraslavski Andrzej, Professor, Lappeenranta University of Technology, Finland

Jonek-Kowalska Izabela, PhD, Associate Professor, Silesian University of Technology, Poland

Cherepovitsyn Alexey, Professor, Saint Petersburg Mining University, Russia

Komendantova Nadejda, Dr., International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria

Session 1 dedicated to Economic and social problems of modern business and society in the global economy & Formation of a circular economy in the mineral resources complex

The link to the event is available at: <https://spmi.webex.com/spmi/j.php?MTID=m08191e323d54cf0ea38e8ba1eb0a2de0>

Section moderators: *Izabela Jonek-Kowalska, Yurii Vasilev*

10³⁰ – 12⁰⁰

Izabela Jonek-Kowalska: A just transition fund in the restructuring of post-mining regions

Vladimir Libman: Modern waste-free mining technologies, limestone processing, quarry recultivation at Tallinn limestone factory (Paekivitoode Tehas)

Blinova Ekaterina, Ponomarenko Tatiana: Development challenges of the coal industry in the context of the transition to a circular economy

Grigory Malyshkov, Liubov Nikolaichuk: Prospects of BAT in the mining industry in the context of carbon taxation

Semyon Gendler: Selection of priority directions for disposal of "Non-production energy waste" in underground mining on the basis of the principles of a circular economy

Marina Nevskaya, Yurii Vasilev, Chu Thi Que: Evaluation of the coal quality of the Vinacomin Company of the Socialist Republic of Vietnam

Zhang Lijuan: Overview of Sustainable Development Strategy Areas in China's Coal Industry

Victoria Solovyova, Ekaterina Reshneva: Europe strategies on Rare earth metals in case of Global Green Transition

12⁰⁰ – 12³⁰ – coffee break

Session 2 dedicated to Sustainable economic development of the mineral resource complex in the post-pandemic period & Strategic forecasting of the oil and gas complex development in the Arctic

The link to the event is available at: <https://spmi.webex.com/spmi/j.php?MTID=m08191e323d54cf0ea38e8ba1eb0a2de0>

Section moderators: *Alina Ilinova, Tatiana Ponomarenko*

12³⁰ – 14³⁰

Nataliya V. Vasilenko, Evgeniy A. Marin: Application of the Real Option Valuation for the impact's estimation of engineering solutions on the value of an oil and gas project

Alina Ilinova: Strategic Management in Energy Sector: key points of transformation in global disturbances

Albert Feldman, Lada Podolyanets, Polina Lyalina: Ways and prospects for the development of the oil and gas complex of the Arctic region of the Russian Federation (directions, trends)

Svetlana Tuinova: Modern nuclear technologies VS hydrocarbon and renewable energy in the Arctic

Gennadiy Stroykov, Diana Dmitrieva, Alina Ilinova, Alexey Cherepovitsyn: Strategic sustainability of Arctic oil and gas projects: definition, principles, conceptual framework

Larisa Ilyina: Innovative development of oil and gas companies in Russia

Natalia Romasheva, Diana Dmitrieva: Implementation of oil and gas project in the Arctic: Is sustainable development of ecosystem achievable?

Fatima Dirani, Tatiana Ponomarenko: Assessment of the current state and trends towards changes in contract systems in subsoil use

Natalia Kirsanova: Issue of oil and gas rental income in harmonization of socio-economic interest system in Arctic zone of Russian Federation (AZRF)

14³⁰ – 15³⁰ – lunch

Session 3 dedicated to Questions of strategic management and planning in the companies of the mineral resource complex & Session dedicated to Sustainable economic development of the mineral resource complex in the post-pandemic period

The link to the event is available at: <https://spmi.webex.com/spmi/j.php?MTID=m08191e323d54cf0ea38e8ba1eb0a2de0>

Section moderators: *Yurii Vasilev, Tatiana Ponomarenko*

15³⁰ – 17⁰⁰

Izabela Jonek-Kowalska: Assumptions of energy transformation in low-emission conditions

Elena Katysheva: Uncompleted wells fund creation program and its role in ensuring sustainable development of the oilfield services industry in Russia

Agnieszka Kowalska-Styczeń: Simulations of consumer behavior on the energy market

Amina Chanysheva, Natalia Kirsanova: Assessment of the resource growth strategy of mining companies

Radosław Wolniak: CSR in coal-mining and energy sector in Poland

Marinina Oksana, Anna Tsvetkova, Yurii Vasilev, Nadejda Komendantova: Assessing the development strategy of the downstream sector of oil companies: the case of PJSC "Rosneft Oil Company"

Aneta Michalak: Development of renewable energy sources in the Polish energy sector

Nataliya V. Vasilenko, Julia Lubeck: Typology of infrastructure services for oil and gas enterprises in the context of the service cube

Olga Lenkovets: Problems of the mineral resource base reproduction in the Russian Federation in the post-pandemic period

17⁰⁰ – 17³⁰ – closing of the conference

Session 4 dedicated to Questions of strategic management and planning in the companies of the mineral resource complex & Modern energy challenges: economic development of hydrocarbon energy and renewable energy technologies

The link to the event is available at: <https://spmi.webex.com/spmi/j.php?MTID=mff0e03e733f3a6046a56629d6862fcd1>

Section moderators: *Amina Chanyшева, Anton Novikov*

10³⁰ – 12⁰⁰

Ilya Beloglazov, Shamil Islamov, Sergey Savchenkov, Valeriia Starshaia: Possibilities of using dual power generation systems based on the joint use of renewable energy sources and traditional energy sources

Dmitry Radushinsky, Dinara Kremcheeva, Ekaterina Smirnova: Strategic aspects of ensuring the quality of car production in Russia under the conditions of "energy transition" and the uncertainty of the prospects for the development of technologies based on traditional energy sources

Adam Gumiński, Grzegorz Stozik: Competences of a university graduate as the determinant of enterprises's economic effectiveness in the raw materials industry

Adam Gumiński, Marek Kurek: The concept of main dewatering system in a coal mine considering technical, managerial and economic criteria

Maksim Nazarenko, Svetlana Saltykova: Search for rational ways of processing low-grade solid fuels - oil shale

Alexander Patricio Mosquera Urbano, Tatiana Ponomarenko, Ekaterina Reshneva: Energy sustainability challenges in the Andean Community

Elena Safiullina, Anton Lefter: Application of technology based on electrical impulse impact on rock in bottomhole zones of wells

12⁰⁰ – 12³⁰ – coffee break

Session 5 dedicated to Sustainable economic development of the mineral resource complex in the post-pandemic period

The link to the event is available at: <https://spmi.webex.com/spmi/j.php?MTID=mff0e03e733f3a6046a56629d6862fcd1>

Section moderators: *Ekaterina Golovina, Amina Chanyшева,*

12³⁰ – 14³⁰

Radosław Wolniak: Process of Management of Engineering Team

Aleksandra Kuzior, Waldemar Czajkowski: Business ethics in the global economy

Maria Vasilyeva, Rafis Kuskil`din, Stefan Voeth: Strategy for analyzing the economic efficiency of the operation of transport vehicles

Ekaterina Golovina, Karina Karennik: Peculiarities of transboundary groundwater resources management in the post-Soviet territory

Diana Ilyina, Viktor Kornilov, Larisa Ilyina: Development of the industry of rare earth elements in Russia

Svetlana Leontyuk, Kirill Gogolinsky: Issues of laboratories and personnel certification in the field of non-destructive testing at hazardous production facilities in conditions of regulatory guillotine

Ekaterina Zherlygina, Dmitriy Saveliev, Ilya Panchenko: Revealing the dependencies between geomechanical functions affecting the safe of mining operations

Cofie Kablan Yves Bertrand: Ivory Coast energy sector diversification strategy: role, interests, and interaction with the main stakeholders

14³⁰ – 15³⁰ – lunch

Student section 6

The link to the event is available at: <https://spmi.webex.com/spmi/j.php?MTID=m1488a2d69ec278e0c23539783bd5cc0d>

Section moderators: *Diana Dmitrieva, Victoria Solovyova*

10³⁰ – 12⁰⁰

Anastasia Cheryasova: Social programs and projects of major mining companies: analysis, specificity, implementation problems

Elena Safiullina, Anton Lefter: Application of technology based on electrical impulse impact on rock in bottomhole zones of wells

Ilya Pashutin: Modern problems of the excise tax on oil in the realities of the Russian economy

Elizabeth Shchirova, Anna Tsvetkova, Nadejda Komendantova: The possibility of introducing carbon dioxide sequestration projects in Russia based on foreign experience

Yusef M. Dellal, Dmitry Radushinsky: Aspects of hydrogen automobile transport development in Russian Federation

Ekaterina Buchinskaya: Features of the development of gas fields in the conditions of offshore production (Kamennomyskoye-sea field of Gazprom PJSC)

Ekaterina Kuznetsova, Alina Ilinova: Closing the carbon cycle: the role and place of CC(U)S in the energy transition

Arina Riadinskaia, Alina Ilinova: APG utilization: benefits today or focus on the future?

Andrey Gurko, Irina Velichko: Experience in automating the methodology for assessing the financial position of an enterprise

12⁰⁰ – 12³⁰ – coffee break

Irina Fabritskaia: Features of innovative projects' evaluation in the oil and gas industry

Veronika Sushkova: Substantiation of the transition to the dynamic technology of forming heap leaching pads for the condition of clay gold-bearing ores deposits

Karina Karennik: Justification of the need for the valuation of groundwater as a mineral

Bayarkhuu Tselmeg: Analysis of the problems of groundwater extraction in transboundary territories of Mongolia

Ekaterina Gladkova, Liliya Saychenko, Nelly Islamova, Pavel Drofa: Artificial intelligence implementation to predict of the well integrity issues as a way to improve the energy efficiency of oil and gas production

Vladislav Kirilenko: Assessment of the possibility of excavating preserved security pillars on the basis of physical modeling of geomechanical processes.

Artem Ivanov, Vladimir Litvin: Analysis of the hydrodynamic modeling market

Anastasia Sayenko, Alexandra Smirnova: Risk assessment of hazardous production facilities: case studies of coal companies

Elizaveta Mokhova: Benchmarking of Russian Coal Companies

Ekaterina Senshinova, Diana Dmitrieva: Renewable energy sources: challenges, perspectives, effectiveness

14³⁰ – closing of the Student section

**Places: 26th Roosevelta Street, Faculty of Organization and Management,
Silesian University of Technology, Zabrze, Room 114, building A.**

**Saint Petersburg, 21st Line, 2, Saint Petersburg Mining University, Faculty of Economy,
Room 3507, 3509, 3511**