



# INTERNATIONAL SUMMER SCHOOLS



EMPRESS CATHERINE II  
SAINT PETERSBURG  
MINING UNIVERSITY



Centre  
Under the auspices  
of UNESCO



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

# SUMMER SCHOOLS ORGANIZER: EMPRESS CATHERINE II ST. PETERSBURG MINING UNIVERSITY

Empress Catherine II Saint Petersburg Mining University is the first higher technical education institution in Russia, founded in 1773 by the decree of Empress Catherine the Great.

Today, the University is an advanced scientific and educational centre of technical education that trains engineering personnel in mining and oil and gas, construction and architecture, electronics and nanoelectronics, mechanics, power engineering and materials science, metallurgy and chemical technologies, geology and geocology, information technologies, economics and management for industries of mineral resources complex.

The University's property complex with a total area of over 300,000 m<sup>2</sup> includes 3 training centres located in the historical centre of St. Petersburg on Vasilievsky Island and 7 training and research facilities located in the Leningrad and Novgorod regions.

According to the results of the authoritative international ranking agency QS World University Rankings (UK), for many years Empress Catherine II St. Petersburg Mining University has been ranked annually among the TOP-10 best engineering and technical universities in the world.



## STRATEGIC PARTNER OF SUMMER SCHOOLS: INTERNATIONAL COMPETENCE CENTRE FOR MINING ENGINEERING EDUCATION UNDER THE AUSPICES OF UNESCO

Summer schools are implemented at Empress Catherine II Saint Petersburg Mining University in close partnership with the International Competence Centre for Mining Engineering Education under the auspices of UNESCO.

The Centre was established in 2018 and since its inception has initiated and encouraged programmes of 'Summer and Winter Schools', which allows them to be implemented under the

status of 'Under the auspices of the UNESCO Centre'.

The Centre is an important tool in the implementation of modern education systems based on the unification of educational standards, academic mobility, organization of the system of continuous technical and professional education and training backed by the professional community of mining engineers.

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# SUMMER SCHOOLS OF EMPRESS CATHERINE II SAINT PETERSBURG MINING UNIVERSITY: OVERVIEW

International summer schools of Mining University are one of the main priorities of the National Center «Corps of Mining Engineers» for training personnel for the mineral resource complex, established by Decree of the President of the Russian Federation in 2026. It is an educational format that combines academic knowledge with industrial experience. Participants study with leading professors and scientists, master skills in research centers and at unique grounds, visit enterprises of the energy sector and develop their own technical solutions.

The key value of all educational programs is immersion in a professional environment and preparation for real engineering activities.

Since 2019, more than **4,000** students, postgraduates, and lecturers from Russian and foreign partner universities have participated in international summer and winter schools. The total number of implemented educational programs is more than **150**.

### Summer schools include:

- interactive lectures;
- hands-on training;
- master classes;
- intensive training sessions;
- trips to production sites;
- sightseeing and cultural program.

## SUMMER SCHOOLS OF EMPRESS CATHERINE II SAINT PETERSBURG MINING UNIVERSITY ARE A SPRINGBOARD FOR YOUR FUTURE CAREER



# WHY CHOOSE SUMMER SCHOOLS OF EMPRESS CATHERINE II SAINT PETERSBURG MINING UNIVERSITY?

**What do Summer Schools participants get besides the opportunity to walk along the Neva embankments during the White Nights? This is a great opportunity:**

- **to learn** from world-renowned lecturers and scientists of the oldest technical university in Russia;
- **to use** high-tech research and laboratory facilities, state-of-the-art equipment and professional software;
- **to get** an idea of how the leading organisations and industries in Russia work;
- **to work** on their skills at the largest industrial partner enterprises;
- **to get** full access to the educational resources of St. Petersburg Mining University within the framework of the programmes;
- **to get** acquainted with Russian culture and world cultural heritage of the Northern Capital of Russia;
- **to live** in comfortable dormitories of St. Petersburg Mining University and receive 3 meals a day during the whole programme;
- **to receive** assistance and mentoring in learning and social adaptation from the best scientists of St. Petersburg Mining University during the whole programme of the Summer School.

**IMPORTANT: Participation in Summer Schools is possible in organised groups of 10 people or more on agreed timeframes.**



# CHOOSE YOUR PROGRAMME!



**MODERN MINING OPERATIONS**



**MINING MACHINERY  
AND EQUIPMENT**



**DIGITAL MINING**



**ENERGY EFFICIENCY  
AND SUSTAINABLE ENERGY**



**MODERN STRUCTURAL  
MATERIALS**



**TECHNOLOGY AND TECHNIQUES  
OF WELL DRILLING**



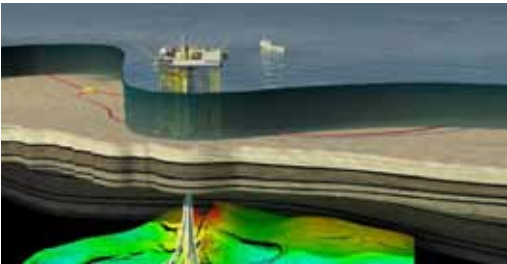
**ESSENTIALS OF RAW  
MATERIALS SCIENCE**



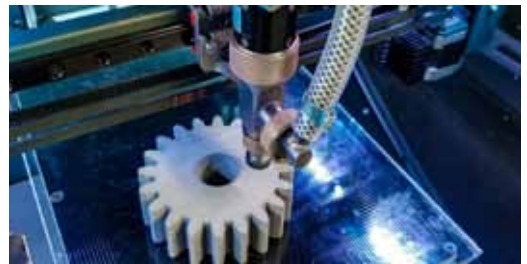
**MODERN TRENDS  
IN THE OIL AND GAS INDUSTRY**



**CHEMICAL ENGINEERING  
IN OIL AND GAS INDUSTRY**



**PETROLEUM  
GEOLOGY**



**DIGITAL 3D MODELING**



**SMART CONTROL  
SYSTEMS**



**MANAGEMENT  
IN THE MINERAL RESOURCES  
COMPLEX**



# TECHNOLOGY AND TECHNIQUES OF WELL DRILLING

## PROGRAMME LEADER:

Mikhail Dvoynikov, Doctor of Technical Sciences, Head of the Department of Well Drilling

Vyacheslav Kadochnikov, PhD in Technical Science, Assistant Professor of the Department of Well Drilling

## OBJECTIVE OF THE PROGRAMME:

Improvement of professional competence of engineering personnel in the field of techniques and technologies of exploration drilling **on the basis of training ground «Sablino».**

## MAIN TASKS OF THE PROGRAMME:

Acquisition of knowledge, skills and competences in the following areas:

- exploration drilling of wells for subsequent development and exploitation of oil and gas fields;
- drilling of exploration wells with hydraulic feed system machines and rigs with hydraulic power mechanisms;
- operate drilling rigs and perform technological operations for the construction of wells.

## DURATION OF PROGRAMME:

2 weeks (workload 72 hours)

## CORE COMPETENCIES ACQUIRED THROUGH THE PROGRAMME:

- Mastery of theoretical knowledge of the technological chain of exploration well construction;
- Knowledge of the main structural elements of drilling rigs (machines), their technical and technological capabilities;
- Mastery of practical skills in operating equipment used in exploration drilling.

## REQUIREMENTS TO CANDIDATES:

students, postgraduates and professors in «Oil and Gas Engineering», English language (minimum B2).





# MODERN MINING OPERATIONS

## **PROGRAMME LEADER:**

Oleg Kazanin, Doctor of Technical Sciences, Dean of the Mining Faculty, Professor of the Russian Academy of Sciences.

## **OBJECTIVE OF THE PROGRAMME:**

Improvement of professional competence of engineering personnel in narrow profile areas for the development of the mining sector.

## **MAIN TASKS OF THE PROGRAMME:**

Additional knowledge and skills in the following areas

- design and technology of open pit mining, blasting operations;
- assessment, monitoring and control of industrial safety at mining enterprises;
- economics of geological exploration and mining production.

## **DURATION OF PROGRAMME:**

2 weeks (workload 72 hours)

## **CORE COMPETENCIES ACQUIRED THROUGH THE PROGRAMME:**

- Practical skills in selecting design solutions for open pit mining, blasting, design, economic evaluation of mining production efficiency;
- Ability to assess and control industrial safety at mining enterprises.

## **REQUIREMENTS TO CANDIDATES:**

students, postgraduates and professors in «Mining Engineering», English/Russian language (minimum B2).





# MINING MACHINERY AND EQUIPMENT

## PROGRAMME LEADER:

Vyacheslav Maksarov, Doctor of Technical Sciences, Professor, Dean of Mechanical Engineering Faculty.

## OBJECTIVE OF THE PROGRAMME:

Acquisition of theoretical knowledge and practical skills of design, production technology and operation of mining machinery and equipment.

## MAIN TASKS OF THE PROGRAMME:

Additional knowledge and skills in the following areas:

- design, operation and maintenance of mining machinery and equipment;
- mining machinery and equipment production technologies, including machining and technical physics methods (magnetic abrasive and laser processing);
- mastering the professional competences «Operator of a dump truck» and «Operator of a caterpillar bulldozer».

## DURATION OF PROGRAMME:

2 weeks (workload 72 hours)

## CORE COMPETENCIES ACQUIRED THROUGH THE PROGRAMME:

- readiness to implement a set of measures to ensure the operation of mining machinery and equipment, design, economic evaluation of the efficiency of mining production;
- ability to assess and control industrial safety at mining enterprises;
- ability to provide modelling of technical objects and technological processes using computer-aided design tool.

## REQUIREMENTS TO CANDIDATES:

students, postgraduates and professors in «Mining machinery», training in Russian language (minimum B2).





# DIGITAL MINING

## PROGRAMME LEADER:

Yury Zhukovsky, Doctor of Technical Sciences, Head of the Department of Electric Power Engineering and Electromechanics.

## OBJECTIVE OF THE PROGRAMME:

Acquisition of theoretical knowledge about technologies and digital solutions used to create digital mining production. Study of modern methods and technologies for the implementation of digital transformation of a mining enterprise through the introduction of digital technologies for the purpose of sustainable development.

## MAIN TASKS F THE PROGRAMME :

Acquisition of theoretical knowledge and practical skills in the following areas:

- digitalisation of enterprises of mineral resources and fuel and energy complex;
- software and hardware complexes used for design, modelling and analysis of technological processes and equipment of mining production;
- modern methods and means of collecting, processing and transferring information in information systems of mining enterprises.

## CORE COMPETENCIES ACQUIRED THROUGH THE PROGRAMME:

- understanding of the principles of forecasting and evaluation of promising trends in the development of digital and information technologies
- practical skills in selecting modern technologies that contribute to the improvement of key performance indicators of a mining enterprise;
- ability to analyse and summarise information on the formation of directions and processes of digital transformation.

## DURATION OF PROGRAMME:

2 weeks (workload 72 hours)

## REQUIREMENTS TO CANDIDATES:

students, postgraduates and professors in «Mining engineering», or «Power engineering», English language (minimum B2).





# CURRENT TRENDS IN OIL AND GAS INDUSTRY

## **PROGRAMME LEADER:**

Valentin Morenov, PhD in Technical Sciences, Associate Professor, Department of Oil Field Development and Exploitation.

## **OBJECTIVE OF THE PROGRAMME:**

Improvement of the level of professional competence of engineering personnel in narrow-profile areas for the development of the oil and gas industry.

## **MAIN TASKS OF THE PROGRAMME :**

Acquisition of theoretical knowledge and practical skills in the following areas:

- drilling of oil and gas wells, development and operation of oil and gas fields, field processing of hydrocarbons; environmental friendliness of oil and gas enterprises;
- construction of offshore oil and gas fields, design of onshore and offshore hydrocarbon field development;
- independent management of technological processes and chains of hydrocarbon production, transportation, preparation and primary processing.

## **CORE COMPETENCIES ACQUIRED THROUGH THE PROGRAMME:**

Mastery of:

- practical methods of hydrocarbon field development;
- skills in calculating the design of oil and gas wells;
- practical skills of estimating the carbon footprint of oil and gas production.

## **REQUIREMENTS TO CANDIDATES:**

students, postgraduates and professors in «Petroleum engineering», English language (minimum B2).

## **DURATION OF PROGRAMME:**

2 weeks (workload 72 hours)





# CHEMICAL ENGINEERING IN OIL AND GAS INDUSTRY

## **PROGRAMME LEADER:**

Tatiana Litvinova, Doctor of Technical Sciences, Professor of the Department of General and Physical Chemistry.

## **OBJECTIVE OF THE PROGRAMME:**

Acquisition of theoretical knowledge and practical skills related to modern methods and approaches of physicochemical modeling of processes and phenomena that form the basis for the development of new and upgrading of existing technologies in the oil and gas industry and solving interdisciplinary problems.

## **MAIN TASKS OF THE PROGRAMME:**

Acquisition of theoretical knowledge and practical skills in the following areas:

- modern methods of investigation and modeling of properties of substances and the patterns of processes in the oil and gas industry;
- physical and chemical modelling techniques;
- determination of the physico-chemical parameters of processes for oil and gas facilities.

## **DURATION OF PROGRAMME:**

2 weeks (workload 72 hours)

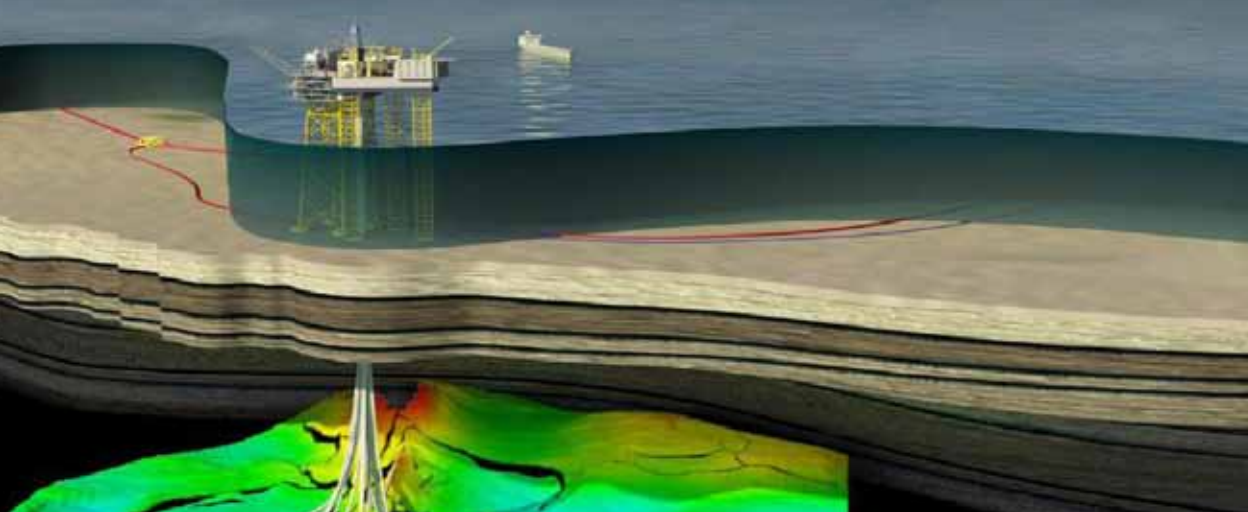
## **CORE COMPETENCIES ACQUIRED THROUGH THE PROGRAMME:**

- solve production and/or research problems based on fundamental knowledge of metallurgy and/or chemical technology;
- analyse and take into account the diversity of cultures in the process of intercultural interaction;
- organise the control of samples of raw materials, semi-finished products and finished products at production facilities.

## **REQUIREMENTS TO CANDIDATES:**

students and postgraduates studying areas related to the operation of oil and gas facilities, chemical technologies, Russian/English language (minimum B2).





# PETROLEUM GEOLOGY

## PROGRAMME LEADER:

Oleg Prischepa, Doctor of Technical Sciences, Professor, Department of Oil and Gas Geology.

Yury Nefedov, PhD in Technical Sciences, associate professor, Department of Oil and Gas Geology.

## OBJECTIVE OF THE PROGRAMME:

Acquisition of theoretical knowledge about natural accumulations of oil and gas, criteria and signs of oil and gas occurrence, methods of detecting deposits, technologies of geological exploration, evaluation of reserves and resources and their main classifications.

## MAIN TASKS OF THE PROGRAMME:

Acquisition of theoretical knowledge and practical skills in the following areas:

- the role, structure and main trends in the development of the fuel and energy complex;
- natural accumulations of oil and gas, natural reservoirs;
- variety of forms of geological structure of oil and gas deposits;
- basic types and structural-genetic classification of traps and deposits of oil and gas; properties of natural hydrocarbon (HC) systems;
- technologies of geological exploration for oil and gas at different stages of exploration, methods of reserve calculation and resource estimation.

## CORE COMPETENCES ACQUIRED THROUGH THE PROGRAMME:

Ability to:

- plan, design, organise geological exploration and mining operations;
- identify multi-scale oil and gas objects using current classifications, criteria and attributes;
- identify promising areas, zones and specific objects for oil and gas exploration;
- use the results of geological and geophysical observations to determine the geometry and parameters of oil and gas deposits.

## REQUIREMENTS TO CANDIDATES:

students and postgraduates in «Applied Geology» and related specialties, English language (minimum B2).

## DURATION OF PROGRAMME:

2 weeks (workload 72 hours)





# DIGITAL 3D MODELING

## **PROGRAMME LEADER:**

Stanislav Chupin, PhD in Technical Science, Associate Professor of the Department of Applied Competencies in the Field of Digital Technologies.

## **OBJECTIVE OF THE PROGRAMME:**

Acquisition by students of practical skills and experience in creating 3D digital models of objects using modern modeling systems and technologies.

## **MAIN TASKS OF THE PROGRAMME:**

Acquisition of theoretical knowledge and practical skills in the following areas:

- the study of the main types of digital object modeling;
- the software packages for digital modeling and visualization of 3D objects;
- the creation of 3D objects in engineering and artistic modeling systems;
- the use of AI when working with 3D digital objects.

## **DURATION OF PROGRAMME:**

2 weeks (workload 72 hours)

## **CORE COMPETENCES ACQUIRED THROUGH THE PROGRAMME:**

Obtaining knowledge and skills on the following issues:

- the importance of digital technologies in the modern world;
- the management of digital copies of mining equipment;
- the creation of 3D objects in engineering modeling systems using AI;
- realistic visualization of 3D scenes.

## **REQUIREMENTS TO CANDIDATES:**

students, postgraduates and professors of all specialties, English language (minimum B2).





# ENERGY EFFICIENCY AND SUSTAINABLE ENERGY

## **PROGRAMME LEADER:**

Yury Zhukovsky, Doctor of Technical Sciences, Head of the Department of Electric Power Engineering and Electromechanics.

## **OBJECTIVE OF THE PROGRAMME:**

Improvement of professional competence of engineering personnel in narrow profile areas to improve the efficiency of the energy sector.

## **MAIN TASKS OF THE PROGRAMME:**

Additional knowledge and skills in the following areas:

- modern trends in optimising the work of fuel and energy companies, as well as the basics of economic analysis in the energy transition and the pursuit of carbon neutrality;
- modern methods in the information systems of enterprises, analysis of blockchain principles in the extractive industry;
- modern renewable energy sources, hydrogen technologies, methods to reduce the carbon footprint of oil and gas industry products.

## **DURATION OF PROGRAMME:**

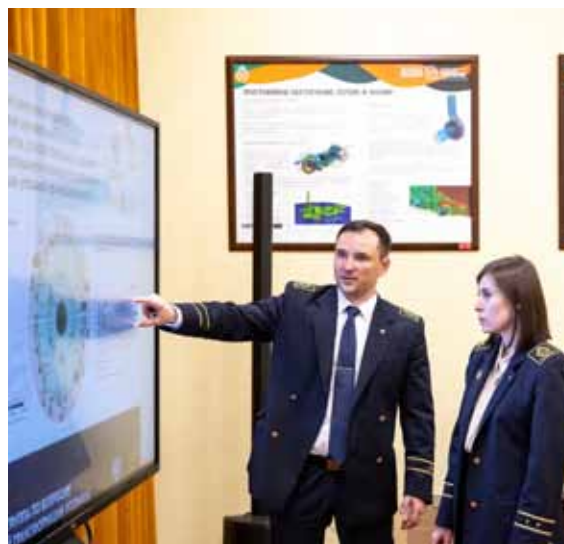
2 weeks (workload 72 hours)

## **CORE COMPETENCES ACQUIRED THROUGH THE PROGRAMME:**

- understanding of the principles of forecasting and evaluation of promising areas of digital and information technology development;
- mastering the skills of selecting modern technologies that contribute to the improvement of key performance indicators of a mining enterprise;
- ability to analyse and summarise information on the formation of directions and processes for optimising energy production and energy consumption.

## **REQUIREMENTS TO CANDIDATES:**

students, postgraduates and professors in «Power Engineering and Electromechanics», English language (minimum B2).





# MODERN STRUCTURAL MATERIALS

## PROGRAMME LEADER:

Oksana Ganzulenko, PhD in Technical Sciences, Associate Professor of the Department of Materials Science and Technology of Art Products

## OBJECTIVE OF THE PROGRAMME:

Acquisition of theoretical knowledge of the structure and properties of a wide range of structural materials used in modern mechanical engineering, methods of their research, technologies of production and thermal treatment of materials, assessment of reliability and durability of materials in various operational conditions.

## MAIN TASKS OF THE PROGRAMME:

Additional knowledge and skills in the following areas:

- properties of structural metallic and non-metallic materials with different chemical composition and structure;
- modern methods of determining mechanical, chemical and physical properties of materials;
- main directions of rational choice of materials for products of various purposes, bulk nanomaterials and basic methods of research of nanomaterials and coatings.

## DURATION OF PROGRAMME:

2 weeks (workload 72 hours)

## CORE COMPETENCES ACQUIRED THROUGH THE PROGRAMME:

Ability to:

- analyse the fine structure of a material and predict basic material properties on the basis of the data obtained;
- make a rational choice of materials and optimise their consumption based on the analysis of the given operation conditions of materials, assessment of their reliability, cost-effectiveness and ecological consequences of their application;
- use the acquired knowledge to solve professional tasks.

## REQUIREMENTS TO CANDIDATES:

students, postgraduates and professors in «Material Science», Russian language (minimum B2).





# SMART CONTROL SYSTEMS

## **PROGRAMME LEADER:**

Vyacheslav Zyrin, PhD in Technical Sciences, Executive Director of the National Association of Mining Engineers, Director of the Centre for Language Competences.

## **OBJECTIVE OF THE PROGRAMME:**

Improving the level of professional competence of engineering personnel, obtaining theoretical and practical knowledge of modern control systems of technical devices and objects, principles of their construction for the development and digitalisation of enterprises in the raw materials sector.

## **MAIN TASKS OF THE PROGRAMME:**

Additional knowledge and skills in the following areas:

- modern principles of controlling technical objects;
- working with control and communication devices;
- modern technologies and tools for creation of intelligent control systems, development and creation of intelligent control system;
- machine learning and data analysis.

## **DURATION OF PROGRAMME:**

2 weeks (workload 72 hours)

## **CORE COMPETENCES ACQUIRED THROUGH THE PROGRAMME:**

Ability and skills in:

- modern information technologies and software tools for controlling technical objects;
- application of programming languages for control systems, work with controllers and supervisory control systems, work with databases;
- building systems based on artificial intelligence to solve applied problems;
- analysing solutions obtained with the help of machine learning and AI apparatus.

## **REQUIREMENTS TO CANDIDATES:**

students, postgraduates and professors of all specialties, English language (minimum B2).





# MANAGEMENT IN THE MINERAL RESOURCES COMPLEX

## PROGRAMME LEADER:

Alexey Cherepovitsyn, Doctor of Economics, Professor, Head of the Organisation and Management Department.

## OBJECTIVE OF THE PROGRAMME

Acquisition of theoretical knowledge and practical skills of management of the mineral resources complex.

## MAIN TASKS OF THE PROGRAMME:

Additional knowledge and skills in the following areas:

- project risk assessment and management in the mineral resources sector;
- project and company value management, production safety;
- regulation of natural resources use and environmental protection;
- interaction between structural subdivisions of a mineral resource complex organisation, in the area of assessing the efficiency and effectiveness of a modern system of occupational health and safety management.

## DURATION OF PROGRAMME:

2 weeks (workload 72 hours)

## CORE COMPETENCES ACQUIRED THROUGH THE PROGRAMME:

Ability to:

- use the theoretical basis of scientific schools of management to improve the performance of companies;
- use analytical methods of management, perform risk assessment;
- assess commercial and budgetary efficiency of projects in the mineral resources complex;
- effectively manage the company's personnel, conduct negotiations and meetings, manage projects with the help of GEOVIA, Microsoft Project;
- apply the methodology for assessing the effectiveness and efficiency of HSEMS in the organisation.

## REQUIREMENTS TO CANDIDATES:

students, postgraduates and professors in «Economics and management in mineral resources complex», English language (minimum B2).





# ESSENTIALS OF RAW MATERIAL SCIENCES

## PROGRAMME LEADER:

Pavel Tsvetkov, PhD in economics, Associate Professor, Head of the Publishing Department, Expert at the Russian Science Foundation

## OBJECTIVE OF THE PROGRAMME:

The formation of interdisciplinary scientific competencies among students as a response to the industry's demand for the release of highly qualified research engineers who are not limited in their thinking and actions by the horizon of their direct specialization.

## MAIN TASKS OF THE PROGRAMME:

- to form a holistic view of the logic and specifics of scientific and technological progress in mineral resources and energy sector;
- to reveal the specifics of the organization of the research process in various scientific disciplines (economics, chemistry, geology, etc.), to show the points of their productive intersection;
- to provide students with information about the modern arsenal of scientific research methods needed to solve interdisciplinary problems;
- to develop practical skills in critical information analysis, working with scientific databases, preparing publications and presenting their own results/

## DURATION OF PROGRAMME:

2 weeks (workload 72 hours)

## CORE COMPETENCES ACQUIRED THROUGH THE PROGRAMME:

- understanding the specifics of the organization of scientific activities and the research process in different areas of mineral resources and energy sector, as well as their interdisciplinary relationships;
- acquiring knowledge in the field of advanced general scientific research methods;
- practical skills in working with scientific information, databases and preparing publications;
- ability to effectively present the results of research.

## REQUIREMENTS TO CANDIDATES:

students, postgraduates and professors of all specialties with knowledge of English language (minimum B2).



# RESEARCH COMPLEX

During the Summer School programs, attendees are given a unique opportunity to hone acquired skills in some of the best innovative research

centers in Russia, the latest laboratories and unique training sites of Empress Catherine II St. Petersburg Mining University.



**> 300 000 m<sup>2</sup>**

infrastructure area  
of the Mining University

**5**

research  
centres

**150**

classrooms

**26**

educational  
laboratories

**> 3500**

units  
of equipment







## TRAINING GROUND ‘SABLINO’

Empress Catherine II St. Petersburg Mining University’s Training ground ‘Sablino’ is a unique technological and scientific and educational platform which provides training in the field of well drilling, oil and gas production, geological exploration and other areas.

In Sablino an area of 14 hectares accommodates the most advanced equipment and machinery, including a mobile drilling rig MBU-125, a well servicing unit UPA 60/80 and a whole range of other units and equipment, as well as simulators for well operation and development.

The training site allows the participants to gain on-the-job experience in a wide range of professions, among which the main ones are Drill Rig Operator, Driller’s Assistant, Reservoir Laboratory Technician, Oil and Gas Production Operator and Logging Assistant, among others.

In addition, a model of a real field was recreated in Sablino and 2 wells were drilled: a 400 metre vertical well and a 350 metre deviated well.

Working at the ‘Sablino’ allows Summer schools participants to get as close as possible to the real production site.



# PARTNER COMPANIES OF

All-Russian Research Geological  
Institute named after A.P. Karpinsky



Paramilitary mine rescue unit of Saint  
Petersburg

Metrostroy  
of the Northern Capital



МЕТРОСТРОЙ  
СЕВЕРНОЙ СТОЛИЦЫ



Scientific and Technical Center of  
Gazprom Neft

Gazprom VNIIGAZ



Alpha Horizon

Additive Technologies Center  
"3D VISION"



Scientific and production  
enterprise "Laser systems"

# SUMMER SCHOOLS

Rosseti Lenenergo



Laser Center

NOVATEK



**BELAZ**

BELAZ

CAT



GC Titan

Surgutneftegas



Russian Copper Company



## ACCOMMODATION

Empress Catherine II Saint Petersburg Mining University has a very well-developed infrastructure for students and professors to live in. The University has 10 comfortable dormitories located in the very centre of St. Petersburg on Vasilievsky Island within walking distance from the academic buildings. All dormitories have modern equipment (5 dormitories

were built in the last 10 years, the rest have undergone complete renovation), equipped with shower rooms and bathrooms, kitchens, necessary furniture, Wi-Fi, and most of them have gyms, laundry and cafe/dining room. All participants of the Summer Schools are granted the right to stay and use the entire infrastructure of these dorms.





## MEALS

The University's own catering centre provides daily uninterrupted and high-quality hot meals for students and staff, taking into account all the necessary sanitary and hygienic standards.

At the same time, special attention is paid to the observance of the principles of proper rational nutrition - balanced and varied, contributing to a healthy lifestyle.

The menu includes a wide range of hot dishes, salads, pastries and drinks.

All Summer Schools participants are provided with three hot meals a day (breakfast, lunch and dinner) throughout the training programme.





## CULTURAL PROGRAM

Summer School programs are implemented in one of the most beautiful cities in the world – St. Petersburg, founded in 1703 by Peter the Great.

The historic center of St. Petersburg and related groups of monuments is the first UNESCO World Heritage Site in Russia. The World Heritage Site includes palace and park complexes, natural landscapes and industrial monuments of the Leningrad Region: Peterhof, Pavlovsk, the center and forts of Kronstadt, the Oreshek fortress, Lindulovskaya grove, Sestroretsk arms factory

The historic center of St. Petersburg is rich in outstanding architectural monuments and monumental sculpture. The most famous buildings and monuments are: Peter and Paul Fortress, Admiralty, Winter Palace (Hermitage), St. Isaac's and Kazan Cathedrals, Alexander Column, Bronze

Horseman. The city has a large number of historical and cultural monuments, more than 70 theaters, including the world-famous Mariinsky, Alexandrinsky and Mikhailovsky theaters.

There are over 200 museums and their branches in St. Petersburg, including the Hermitage - a world-famous museum with three million works of art and monuments of world culture and the Russian Museum - the largest museum of Russian art.

In addition, St. Petersburg is a recognized center of higher education in Russia and the largest scientific center in Russia, since the city is home to dozens of higher educational institutions, as well as the St. Petersburg Scientific Center of the Russian Academy of Sciences, which unites over 60 academic institutes and other research institutions.





## As part of the Summer School programmes, participants will have the opportunity to attend thematic tours to:

- **Hermitage Museum** is the largest art and cultural-historical museum in Russia and one of the largest in the world, was founded in 1764 as a private collection of Empress Catherine II. The museum was opened in 1852 in a specially designed building of the New Hermitage. Today the main exhibition occupies five buildings located along the Neva embankment.
- **St Isaac's Cathedral** is a large architectural monument that currently functions as a museum. It is located on St Isaac's Square opposite the monument to Peter the Great, next to the Admiralty building.
- **Peterhof** is the former summer residence of Russian emperors and now it is one of the most visited suburbs of St. Petersburg. The brilliant Peterhof – the capital of crystal fountains and emerald parks – is a must-see for all tourists visiting St. Petersburg.
- **Mining Museum of Empress Catherine II St. Petersburg Mining University** is one of the oldest educational museums in Russia, founded in 1773. It is one of the best geological, mining and metallurgical museums in the world. The museum is a part of Empress Catherine II St. Petersburg Mining University. The museum houses 230 thousand exhibits, including rare minerals, gem stones, metals, the largest collection of meteorites, historical and working models of mining equipment, paleontological collection, documents on the history of the University.



# FEEDBACK OF SUMMER SCHOOLS



## Armenia

«The chosen programme allowed us to delve into the digitalisation!»

*Mikael Martirosyan*



## Ecuador

«It is a great honor for our students to study in the Summer School programs at the oldest technical university in Russia.»

*Valeria Kiros  
LATAM representative*



## Namibia

«We are honoured to be part of this international educational programme. We learnt about the latest technological solutions, including those developed at the Mining University!»

*Pitchou Bukasa Mukendi,  
Lecturer of University of Namibia*



## Belarus

«A very special environment and the level of infrastructure!»

*Arseniy Stain,  
student of Belarussian National  
Technical University*



## Lebanon

«The most interesting part of the programme was when we visited real enterprises. We even managed to go down into a real mine of the St. Petersburg metro!»

*Harb Fouad Anwar, Master's  
student of University of Beirut*



## South Africa

«We plan to effectively apply the learnt approaches to sustainability and integrate them into our higher education system!»

*Hendrik Globler, Head of the Department  
of Mining Engineering of University of  
Johannesburg*



## Russia

«It's been the most productive weeks we've had in months! We have been learning this insanely relevant high tech businesses!»

*Oksana Leonova, DonNTU student*



## Kazakhstan

«We were especially pleased with the practical classes – we modeled a hydraulic system, studied simulation and engineering modeling in real time, and drove a BelAZ simulator!»

*Nurali Aliyev, student of Karaganda Technical University*



## China

«The high relevance of the data and statistics, the large number of graphs and charts!»

*Guo Lixian, Master's student of CUMT*



## India

«Exploration drilling is a very cool field where geology and metallurgy, mining and chemistry are involved at the same time. The job requires 100 per cent involvement in the process. Believe me, it's incredibly interesting!»

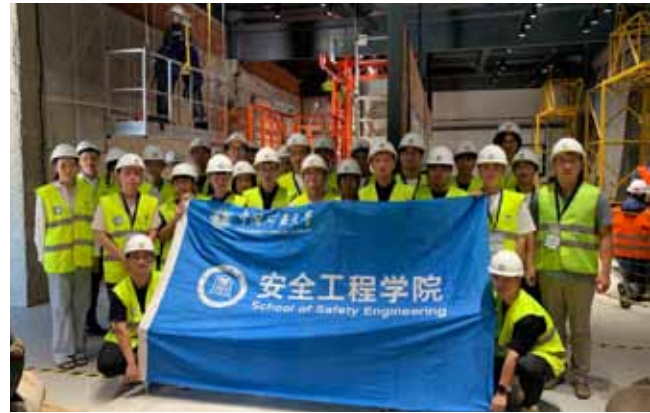
*Ujjawal Roy, student from Mumbai*



## Iran

«The facilities at the Mining University are at a very high level, here we can get a flavour of a real working environment!»

*Shamim Mirai, student of Shiraz University*





# HOW TO PARTICIPATE

You can find the current schedule of summer schools at [sumschool.spmi.ru](http://sumschool.spmi.ru) or by QR code



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