



Preliminary agenda

18 April - «Park Inn Astana» Hotel

Program TBC

19 April - «Raddison Astana» Hotel

09:00 – 09:30 | REGISTRATION

09:30 – 10:00 | WELCOMING PART

10:00 – 11:30 | SESSION 1 (room Sary Arka 1)

MINING GROWTH DRIVERS AND PERSPECTIVES IN 2017

Session themes:

- Economic forecast of mining and metals sector – key market drivers and industry expectations in 2017.
 - Trends in demand, consumption and prices of gold, copper, iron ore, coal, potash, uranium.
 - Changes in economic agenda in the region and their impact on mining.
 - Is there room for widening cooperation between Central Asian States in mining and exploration?
 - Mining prospects in Central Asia – is the market attractive for large multinational players and investors?
 - Industry 4.0 – investment, technological and social prospects.
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11:00 – 11:30 | COFFEE-BREAK (room Sary Arka 2)

11:30 – 13:00 | SESSION 2 (room Sary Arka 1)

CHANGES IN STATE SUBSOIL REGULATION IN CENTRAL ASIA - NEW OPPORTUNITIES AND LIABILITIES FOR BUSINESS AND INVESTORS

Session themes:

- National interests and policies in extractive industries in Central Asia– what has changed in the Government vs Business and Investor sentiment?



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- Changes in the Code of the Republic of Kazakhstan on subsoil – what they are bringing to miners, investors, state and the society?
- Is Uzbekistan getting ready to open new deposits to international development?
- Investment policy changes in Tajikistan’s law “On Subsoil Use”
- Priority mining projects in Kyrgyzstan.
- International subsoil use management practices for attracting investment and new technologies – latest success stories and how they can be applied in Central Asia.

13:00 – 14:30 | LUNCH (room Sary Arka 2)

14:30 – 18:00 | MineTech (room Sary Arka 3)

INTERNATIONAL COMPETITION

OF MINING CHALLENGES AND SOLUTIONS

14:30 – 16:00 | SESSION 3 (room Sary Arka 1)

INNOVATION WITHIN - HOW COMPANIES ADAPT TO MARKET, TECHNOLOGICAL AND SOCIAL CHALLENGES

Session themes:

- Mining today and tomorrow - key challenges, risks and opportunities.
 - Which development scenario (inertial, growth of resources, innovation) will prevail in the mining industry in Central Asia in the next 3-5 year?
 - Impact of new technologies on improving efficiency and changing business models in the mining sector.
 - Examples of collaboration between the state, mining business and education institutes in the development of innovation culture.
 - Smart technologies and their role in catalysing top to down changes of business processes, corporate governance and social interactions.
 - Examples of new innovation platforms and the development of disruptive technologies in the region.
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16:00 – 16:30 | COFFEE-BREAK (room Sary Arka 2)



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16:30 – 18:00 | SESSION 4 (room Sary Arka 1)

NEW OPPORTUNITIES FOR MINING FINANCE AND INVESTMENT

Session themes:

- New investment projects and opportunities in mining industry in Central Asia
 - The cost of money - conditions and opportunities for raising funds for regional mining projects on the global and national financial markets
 - Raising capitalisation. Are the stock markets ready for new mining IPOs from the region?
 - What can banks offer to mining and resource companies?
 - Alternative sources for financing of the regional mining projects.
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16:30 – 18:00 | SESSION 5 (room Sary Arka 3)

DEVELOPMENT OF KAZAKHSTAN'S URANIUM INDUSTRY IN LOW MARKET CONDITIONS

Session themes:

- Provisions for Uranium mining in the Kazakhstan's new Mining code
 - Present and future of international cooperation in Kazakhstan's uranium industry
 - Uranium exploration program overview
 - Challenges of roll-front exploration of uranium deposits
 - Cost reduction methods - innovative technological solutions
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18:00 – 20:00 | RECEPTION (room Sary Arka 2)



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20 April - «Radisson Astana» hotel

09:00 – 09:30 | WELCOMING COFFEE (room Sary Arka 2)

09:30 – 11:00 | SESSION 6 (room Sary Arka 1)

CREATING LOW COST GOLD PRODUCTION - KEY COMPONENTS OF SUCCESS

Session themes:

- Managing the operational profitability of a gold mine - technological challenges and solutions
 - Reducing gold production costs and capital expenditures (transport, spare parts, fuel, electricity and personnel costs optimisation).
 - Low cost gold production - innovative methods and technologies of ore extraction and processing.
 - Development and introduction of new energy efficient technologies for gold and metals extraction.
 - Advanced methods of ore preparation and grade quality control.
 - Technologies of processing refractory ores.
 - Turning gold mine waste into a secondary resource.
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09:30 – 11:00 | SESSION 7 (room Sary Arka 3)

MINE CLOSURE AND LAND RECLAMATION - NEW REGULATORY REQUIREMENTS

Session themes:

- A comparative overview of regulatory approaches to mine closure and land reclamation
 - Mine site reclamation incentives.
 - Preparing technical and social-economic plan of mine site closure and land reclamation.
 - Financing Mine reclamation - borrowers and lenders' perspectives.
 - Rehabilitation of land after coal, copper, uranium and gold mining - case studies of successfully reclaimed mining sites.
 - Reclamation of dump tailings - before and after case studies.
 - Mine reclamation after natural disaster.
 - Evaluating land productivity after reclamation
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11:00 – 11:30 | COFFEE-BREAK (room Sary Arka 2)



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11:30 – 13:00 | SESSION 8 (room Sary Arka 1)

IMPROVING INVESTMENT RETURNS IN EXPLORATION

Session themes:

- Discovery of new deposits in Central Asia: prospects and challenges
 - Big or economically viable? What types of new deposits companies are looking for?
 - Creating result-oriented exploration programs - practical approaches and technologies
 - Exploring from above: potential use of satellite imaging, airborne geophysical surveys and UAVs for increasing efficiency and cost-effectiveness for large-area surveying
 - Time is money: improving speed and accuracy of exploration with the aid of real-time and cloud base analytical solutions
 - Application of 3D geological modelling systems for synergy between the interpretation of geological data and mine modelling construction
 - Geochemical analysis of hidden ores
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11:30 – 13:00 | SESSION 9 (room Sary Arka 3)

MINE SITE AUTOMATION AND ROBOTISATION

Session themes:

- Automation and robotics in the mining industry: social, investment and technological aspects
- Assessment of the economic effect of the use of digital technologies in mining
- Automation Strategy: how to integrate new technologies with existing business processing
- Application of robotic technologies and drone solutions of transformation of business processes
- Implementation of automated systems in mine site design and planning
- Use of autonomous scanning technologies for mine slope monitoring
- Prospects for the use of unmanned quarry transport and possible changes in the legislation
- Application of robotics systems in mining and mineral processing
- Drone technology solutions in quarries, landfills and construction sites.
- Remote control management systems in mining.



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13:00 – 14:30 | LUNCH (room Sary Arka 4)

14:30 – 18:00 | MineVenture (room Sary Arka 3)

A COMPETITION OF START-UP MINING AND TECHNOLOGY PROJECTS

14:30 – 16:00 | SESSION 10 (room Sary Arka 1)

SAFETY AND SECURITY FOR SUSTAINABLE MINING

Session themes:

- Modern challenges for maintaining mine safety and security
- Increased production safety as an effective tool in reducing investment risks
- Technological solutions for the protection of mine sites against unauthorized access
- Mine site personnel security and asset management systems
- Prospects for application of drones and smart technologies in mine management
- Securing access to data and automated systems

16:00 – 16:30 | COFFEE-BREAK (room Sary Arka 2)

16:30 – 18:00 | SESSION 11 (room Sary Arka 1)

MINING TRANSFORMATION - HUMAN FACTOR

Session themes:

- Keeping up with integration of new technologies - changes in personnel management practices, training and recruitment policies
- New training systems and technologies evolving in mining sector.
- Hiring foreign workers - changes in state regulation in the mining sector
- Proposed regulatory changes in retirement age, pension and benefits in the mining sector.

18:00 – 21:30 | GALA-DINNER (room Sary Arka 4)