

12 JUNE | 2 DAY



"MONITORING AND MANAGEMENT OF GEOMECHANICAL PROCESSES AS THE FOUNDATION OF SAFE AND EFFICIENT MINERAL EXTRACTION"

12 JUNE, 2.30 PM - 4.30 PM
HALL 3



DISCUSSION POINTS:

- What new methods and approaches are being implemented in assessing the stable and safe condition of mineral deposits?
- What are the results of implementing best practices in geomechanics?

MODERATOR:

Lyazzat Shamganova – Academician of the National Academy of Sciences of the Republic of Kazakhstan, Doctor of Technical Sciences, D. A. Kunayev Institute of Mining, National Centre for Integrated Processing of Mineral Raw Materials of the Republic of Kazakhstan

WELCOME REMARKS:

Anastasia Mukherjee – Vice Consul, Embassy of the United States

Askar Nurgaliyev – Chief Executive Officer, National Centre for Integrated Processing of Mineral Raw Materials of the Republic of Kazakhstan

SPEAKERS:

Alistair Tofts – Director of Sales and Marketing, Correlated Solutions Inc. (USA)

Overview of 3D Digital Image Correlation Technology with Application Examples

Kam Weng Ng – Professor, PhD, University of Wyoming (USA); President's Innovation Fellow; Hoy Engineering Fellow (online)

Geomechanical and Mineralogical Responses of Rock Formations to CO₂ and Hydrogen Exposure

Andrea Roth – Chief Executive Officer, Geobrugg AG

Rico Brändle – Mining Director, Geobrugg AG

Alexander Barinov – Regional Manager for Central Asia, Geobrugg AG (Switzerland)

Klara Toksanbayeva – Chief Executive Officer, GEOSTEIN LLP

Analysis and Numerical Modelling of Dynamic Ground Support Based on Instrumented Full-Scale Tests

Birzhan Zheksenbek – Head of Projects, Novatest Kazakhstan LLP / GCTS Testing Systems (USA)

Modern Systems and Solutions for Rock Testing

Beibit Khalimolda – Chief Geotechnical Engineer, RG Gold LLP

Achieving the Required Stability Margin through Reduction of Pore Pressure

Nikita Taratukhin – Underground Geomechanics Engineer, Eurasian Group (ERG)

Dilution Forecasting Using Numerical Modelling in Rs3

Alikhan Khairullayev – Geotechnical Advisor, Rocscience

RSInsight, Artificial Intelligence and Scripting

Amina Baltiyeva – Lead Research Scientist, D. A. Kunayev Institute of Mining

Area-Wide Deformation Monitoring of Industrial Sites Using Satellite Radar Interferometry

Zhanara Bimurat – PhD, Lead Research Scientist, D. A. Kunayev Institute of Mining

GeoMonitor.AI Web-Based System for Geomonitoring and Geospatial Data Analysis