GEOMINE 2026 Scientific Programme

The Biennial International Conference on Geology and Mining

Conference	Venue	Working language	Programme release
8-9 October 2026	Ulaanbaatar Hotel, Ulaanbaatar, Mongolia	English	29 September 2026

Updated October 07, 2026

Presenter Information

Oral presentations. Presentation slots are 10–12 minutes unless another duration is indicated in the programme. Speakers must finish within their published start and end times.

Presentation format. Please prepare your presentation in PowerPoint (.pptx) or PDF (.pdf) format. A 16:9 widescreen layout is recommended. For presentations containing animations, videos or audio, please use PowerPoint, ensure all media are embedded in the file, and test playback before submission.

File submission and backup. Please email your presentation file to the Organizing Committee by 7 October 2026. Include your presentation code and the presenting author's name in the email subject line and file name. Please also bring a backup copy on a USB drive.

Room arrival. Report to your assigned room at least 15 minutes before your session begins. Check that the correct version of your presentation is available on the room computer and runs properly, and complete any necessary uploads or technical checks before the session starts.

Discussion and panel sessions. Chairs and discussants should protect the published joint discussion, panel and closing times. Individual presentations must not overrun or reduce the time allocated to these activities.

Schedule discipline. A cancelled presentation does not move later presentations to an earlier published start time.

Poster presentations. Please bring your printed poster and mount it before the assigned author-attended session. Presenting authors should be available beside their posters during that session. Final poster dimensions, mounting times and removal times will be issued separately.

Poster printing assistance. Authors who are unable to bring a printed poster should contact the Organizing Committee in advance to place a printing order by 7 October 2026. A print-ready PDF will be required. Submission deadlines, printing arrangements and collection details will be confirmed when the order is arranged.

Overall Schedule

Date	Start	End	Programme component	Venue
Thursday 8 October	08:20	09:00	On-site registration, badge collection	Event Hall
Thursday 8 October	09:00	09:25	Opening Ceremony Welcome speech – MUST president; 3 min Welcome speech – SGME, MUST Dean; 3 min Welcome speech – BGRIMM; 3 min Welcome speech – WUT; 3 min	Event Hall
Thursday 8 October	09:25	09:55	Keynote Speaker 1 – Professor Otgonbayar Uuye AND Global Pte Ltd. *Title: From Computation to Cognition: The Evolution of AI in Mathematics*	Event Hall
Thursday 8 October	09:55	10:25	Keynote Speaker 2 – Professor Enkhbat Rentsen Institute of Mathematics and Digital Technology, Mongolian Academy of Sciences *Title: Sphere Packing Approach to Ore-blending Optimization Model*	Event Hall
Thursday 8 October	10:25	10:45	Awards Ceremony - Academician Certificate from the Mongolian Academy of Mining Sciences	Event Hall
Thursday 8 October	10:45	11:05	Memorandum of Understanding Signing Ceremony: 1. DESWIK LLC, Australia	Event Hall
Thursday 8 October	11:05	11:20	Official Group Photograph	Event Hall
Thursday 8 October	11:20	11:50	Coffee and networking break	Event Hall foyer
Thursday 8 October	11:50	12:20	Keynote Speaker 3 - Professor Fuan Tsai National Central University, Taiwan *Title: When Geospatial Information Meets AI: Applications in Multi-source Monitoring and Spatial Analysis*	Event Hall
Thursday 8 October	11:50	13:00	A1 Conference Session	Songino-Khairkhan Room 2F
Thursday 8 October	12:20	13:00	Invited Plenary Addresses: Partner - Trigteq LLC Diamond Tier Sponsor – Khan Urnud Mining LLC Emeral Elite Sponsor – Badrakh Energy LLC Emeral Elite Sponsor – GEODEVICE LLC Emeral Elite Sponsor – Menghui Advanced Technology LLC Emeral Elite Sponsor – Big Mogul Equipment LLC Emeral Elite Sponsor – Petro Khan LLC	Event Hall
Thursday 8 October	13:00	14:00	Lunch time	
Thursday 8 October	14:00	15:30	Conference Sessions	Songino-Khairkhan and Bayanzurkh Rooms 2F
Thursday 8 October	15:30	16:00	Coffee and networking break	Conference foyer 2F
Thursday 8 October	16:00	17:30	Conference Sessions	Songino-Khairkhan and Bayanzurkh Rooms 2F
Thursday 8 October	17:30	18:30	Author-attended Poster Session Day 1	Poster and Exhibition Area TBC 2F
Friday 9 October	08:30	09:00	Registration desk and networking	Conference foyer 2F
Friday 9 October	09:00	10:30	Conference Sessions	Songino-Khairkhan and Bayanzurkh Rooms 2F
Friday 9 October	10:30	11:00	Coffee and networking break	Conference foyer 2F
Friday 9 October	11:00	12:30	Conference Sessions	Songino-Khairkhan and Bayanzurkh Rooms 2F
Friday 9 October	12:30	13:30	Lunch time	

Date	Start	End	Programme component	Venue
Friday 9 October	13:30	15:00	Conference Sessions	Songino-Khairkhan and Bayanzurkh Rooms 2F
Friday 9 October	15:00	16:00	Afternoon coffee and networking break; Author-attended Poster Session Day 2	Conference foyer 2F
Friday 9 October	16:00	17:45	Conference Sessions	Songino-Khairkhan and Bayanzurkh Rooms 2F
Friday 9 October	19:00	22:00	Closing Ceremony Conference Banquet and Networking Dinner*	Ulaanbaatar Hotel, Event Hall **Please present your Gala Dinner Invitation at entrance*

Thursday 8 October 2026 11:50-13:00

Songino-Khairkhan Room: A1 ESG Issues in the Mineral Resource Sector in Mongolia Part 1: Studying ESG and its implication

Convenor: Dr. Byambabaatar Ichinkhorloo. Part 1 Chair: Tselmegsaikhan Lkhagva. Discussant: Sunjidmaa Jamba.

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
11:50-11:55	Opening remarks A1	Opening remarks	Dr. Byambabaatar Ichinkhorloo National University of Mongolia and Tohoku University
11:55-12:05	GM2026-A1-004 A1	Methodology for Investigating Mining-Induced migration through the integration of socio-demographic research and Geographic Information System (GIS) spatial analysis	Ulziibat Purevsuren Mongolian National University of Education
12:05-12:15	GM2026-A1-006 A1	Mining and Archaeology: Current Debates, Future Directions	Byambajav Dalaibuyan University of Queensland, Australia
12:15-12:25	GM2026-A1-008 A1	Integrating Anthropological Methods into Social Impact Assessment in Mining	Sugar Gonchigjantsan National University of Mongolia
12:25-12:35	GM2026-A1-009 A1	Environmental, Social and Governance considerations for critical minerals development in Mongolia	Tamir Chultemsuren National University of Mongolia
12:35-12:55	Discussion A1	Discussant comments and Q&A	Discussant: Sunjidmaa Jamba Council for Sustainable Development and Social Responsibility
12:55-13:00	Closing remarks A1	Closing remarks	Tselmegsaikhan Lkhagva

Presentation slots are 10-12 minutes unless another duration is shown. Shared discussion, panel and closing times are listed as separate programme items.

Thursday 8 October 2026 14:00-15:30

Songino-Khairkhan Room: A1 ESG Issues in the Mineral Resource Sector in Mongolia Part 2: Compliance and Governance in Mining

Part 2 Chair: Sunjidmaa Jamba; Discussant: Dr. Vigya Sharma.

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
14:00-14:05	Opening remarks A1	Opening remarks	Sunjidmaa Jamba Council for Sustainable Development and Social Responsibility
14:05-14:15	GM2026-A1-005 A1	Understanding Justice in Critical Mineral Development and Energy Transition	Tselmegsaikhan Lkhagva The University of Queensland, Australia
14:15-14:25	GM2026-A1-012 A1	From Legacy Standards to Transparent Governance: Modernizing Mongolia's Geological Mapping Norm System	Munkhtsetseg Oidov Mongolian University of Science and Technology
14:25-14:35	GM2026-A1-013 A1	The Duties of Mining Company Directors and the Challenges They Face in Implementing Standards Such as ESG and the Responsible Mining Codex	Byambabaatar Ichinkhorloo National University of Mongolia
14:35-14:45	GM2026-A1-014 A1	Community relations and social performance capabilities of mining companies in Mongolia	Enkhzaya Chuluunbaatar German-Mongolian Institute for Resources and Technology
14:45-14:55	GM2026-A1-016 A1	Can Sustainable Mining Standards Work in Mongolia? Evidence from Towards Sustainable Mining	Gantuya Ganbat German-Mongolian Institute for Resources and Technology
14:55-15:05	GM2026-A1-010 A1	The Rhythm of a Coal Road: Waiting and Work at Shivee Khuren Port on Mongolia-China Border	Hongjin Pan Heidelberg University, Germany

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
15:05-15:25	Discussion A1	Discussant comments and Q&A	Discussant: Dr. Vigya Sharma University of Queensland, Australia
15:25-15:30	Closing remarks A1	Closing remarks	Sunjidmaa Jamba

Presentation slots are 10-12 minutes unless another duration is shown. Shared discussion, panel and closing times are listed as separate programme items.

Thursday 8 October 2026 16:00-17:30

Songino-Khairkhan Room: A1 ESG Issues in the Mineral Resource Sector in Mongolia Part 3: Impacts of Mining and Challenges for ESG

Part 3 Chair: Dr. Enkhzaya Chuluunbaatar; Discussant: Dr. Byambajav Dalaibuyan

Panel Discussion

Panel Moderator: Dr. Byambabaatar Ichinkhorloo. Closing: Dr. Tamir Chultemsuren

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
16:00-16:05	Opening remarks A1	Opening remarks	Dr. Enkhzaya Chuluunbaatar German-Mongolian Institute for Resources and Technology
16:05-16:15	GM2026-A1-007 A1	Navigating complex land use coexistence in resource development: lessons from Australia	Vigya Sharma The University of Queensland, Australia
16:15-16:25	GM2026-A1-017 A1	Living with Mining: Social Sustainability and Everyday Relations in Mongolia's South Gobi	Akiko Takeyama University of Kansas, USA
16:25-16:37	GM2026-A1-011 A1	The Life Cycle Impacts of Renewable Energy Integration for Sustainable Copper Mining in Mongolia	Sodgerel Gansukh Tohoku University, Japan
16:37-16:47	GM2026-A1-015 A1	Emerging "Mining Towns" in Mongolia and Its Social Consequences	Khulan Chinbayar National University of Mongolia
16:47-17:00	Discussion A1	Discussant comments and Q&A	Discussant: Dr. Byambajav Dalaibuyan University of Queensland, Australia
17:00-17:25	Panel discussion A1	Panel Discussion on ESG in Mongolia and Mining	Moderator: Dr. Byambabaatar Ichinkhorloo Panelists: Sunjidmaa Jamba; Dr. Vigya Sharma; Dr. Tamir Chultemsuren; Dr. Byambajav Dalaibuyan; Dr. Enkhzaya Chuluunbaatar
17:25-17:30	Closing remarks A1	Closing remarks	Dr. Tamir Chultemsuren National University of Mongolia

Presentation slots are 10-12 minutes unless another duration is shown. Shared discussion, panel and closing times are listed as separate programme items.

Thursday 8 October	**17:30**	**18:30**	**Author-attended Poster Session Day 1**	**Poster and Exhibition Area 2F**

Thursday 8 October 2026 14:00-15:45

Bayanzurkh Room: D2 Mineral Processing Systems and Technologies Part I

Convener: Dr. Chinzorig Bavuu; Session Chair: Dr.Liyi Ren, Khatanbaatar Byambatsogt

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
14:00-14:05	Opening remarks D2	Opening remarks	Dr.Liyi Ren, Wuhan University of Technology, China Khatanbaatar Byambatsogt, TRuTRC LLC
14:05-14:15	GM2026-B2-001 D2	Investigation of the material composition and hydrometallurgical processing of serpentinite ore from the Ziyokor deposit using acid leaching and selective precipitation technologies	Ergash Jabborov Institute of Mineral Resources, Uzbekistan
14:15-14:25	GM2026-D2-002 D2	Influence of lead ions on the desorption of hexametaphosphate sodium from fluorite surface	Liuyi Ren Wuhan University of technology
14:25-14:35	GM2026-D2-004 D2	Study of the Material Composition and Beneficiation of Polymetallic Ore from the Qolcholoq Field	Shodbay Nurullayevich Institute of Mineral Resources, Uzbekistan
14:35-14:45	GM2026-D2-005 D2	Study of The Material Composition of Black Shale Samples from The Fozilmon Deposit	Salohiddin Soatov Institute of Mineral Resources, Uzbekistan
14:45-14:55	GM2026-D2-007 D2	Development of a Three-Stage Hydrometallurgical Technology for High-Purity Magnesium Oxide Extraction from Serpentinite Ores	Nishonbek Kenjayev Institute of Mineral Resources, Uzbekistan
14:55-15:05	GM2026-D2-009 D2	Advances in AI-Enabled Gas-Solid Separation Fluidized Bed Dry Coal Beneficiation	Weijin Liu China University of Mining and Technology
15:05-15:25	GM2026-D2-012 D2	Laboratory Investigation and Process Development of Pressure Leaching for Molybdenum Flotation Products at Erdenet Mining Corporation	Otgon Maruush Mongolian University of Science and Technology
15:25-15:40	Discussion and panel D2	Discussion and panel	Dr.Liyi Ren, Khatanbaatar Byambatsogt
15:40-15:45	Closing remarks D2	Closing remarks	Dr.Liyi Ren, Khatanbaatar Byambatsogt

Presentation slots are 10-12 minutes unless another duration is shown. Shared discussion, panel and closing times are listed as separate programme items.

Thursday 8 October 2026 16:00-17:30

Bayanzurkh Room: D&G Mining Systems, Mining Management and Oil extraction

Convener: Dr. Chinzorig Bavuu (D) and Oyuntugs Magsar (G); Session Chair: Dr. Nangyal Ghani Khan

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
16:00-16:05	Opening remarks D	Opening remarks	Dr. Nangyal Khan, Mongolian University of Science and Technology
16:05-16:15	GM2026-D3-003 D3	Optimization of the Transition Zone Parameters for Converting an Open Pit Mine to Underground Mining	Bat-Ochir Battulga Freiberg University of Mining and Technology
16:15-16:25	GM2026-D1-002 D1	A Comparative Study on Determining Rock Strength (Case Study of the Oyu Tolgoi Deposit)	Erdenezul Jargalsaikhan "Erdenet mining corporation" SOE, Erdenet Institute of Technology
16:25-16:35	GM2026-D2-010 D2	Methodology for Optimizing Grade Estimation in Copper Porphyry Deposits	Elbegzaya Batsukh Mongolian University of Science and Technology
16:35-16:45	GM2026-D2-011 D2	Global precious metals market and development opportunities for gold and silver production in Mongolia	Boldbaatar Achitsaikhan Mongolian University of Science and Technology
16:45-16:55	GM2026-G3-002 G3	Enhanced Oil Recovery via CO_2 Injection: Mechanisms, Feasibility Assessment, and Laboratory Evaluation	Dulamjav Unursaikhan Technische Universität TU Bergakademie Freiberg (TUBAF)
16:55-17:05	GM2026-G3-004 G3	Technology For the Integrated Processing of Oil Shale and the Production of Petroleum Products from Shale Oil	Farrux Suvanov Institute of Mineral Resources, Uzbekistan
17:05-17:25	Discussion and panel D	Discussion and panel	Dr. Nangyal Khan
17:25-17:30	Closing remarks D	Closing remarks	Dr. Nangyal Khan

Presentation slots are 10-12 minutes unless another duration is shown. Shared discussion, panel and closing times are listed as separate programme items.

Thursday 8 October	**17:30**	**18:30**	**Author-attended Poster Session Day 1**	**Poster and Exhibition Area 2F**

Friday 9 October 2026 09:00-10:30

Songino-Khairkhan Room: A Policy, Education and Capacity Building

Convenor: Dr. Khavalbolot Kyelgyenbai, Munkhtsetseg Oidov; Session Chair: Dr. Ganbat Danaa

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
09:00-09:05	Opening remarks A	Opening remarks	Dr. Ganbat Danaa Mongolian University of Science and Technology
09:05-09:15	GM2026-A2-002 A2	A System Dynamics Approach to Downstream Industrial Development in Mongolia: The Case of a Coal-Chemical Plant	Selenge Tuvdendorj National Development Institute of Mongolia
09:15-09:25	GM2026-A2-001 A2	The Strait of Hormuz Crisis and Mongolia's Mineral Resources Sector: Risks and Opportunities	Enkhbat Avirmed Mongolian University of Science and Technology
09:25-09:35	GM2026-A3-001 A3	Occupational Disease Burden and Trends in Mongolia's Mining Sector: Evidence from a National Registry, 2013-2023	Sansartsetseg Tsendjav Mongolian National University of Medical Sciences
09:35-09:45	GM2026-A4-002 A4	Mapping Institutional Research Capacity for Sustainable Mineral Resource Governance: A Capability-Based Approach	Munkhtsetseg Oidov Mongolian University of Science and Technology
09:45-09:55	GM2026-A4-003 A4	Integrating AI-Assisted Interactive Teaching Methods in Mining Engineering Higher Education: Framework, Application, and Case Study	Dagva Myagmarsuren Mongolian University of Science and Technology
09:55-10:05	GM2026-A4-004 A4	Developing a University-Based Geotechnical Testing Laboratory to Strengthen Mining Engineering Education and Professional Capacity in Mongolia	Orkhon Erdenebaatar Mongolian University of Science and Technology
10:05-10:15	GM2026-A4-007 A4	From Admission to Graduation: Identifying Factors Associated with Student Success in Engineering Education an Institutional Case Study of the SGME-MUST	Ulziisaikhan Ganbold Mongolian University of Science and Technology
10:15-10:25	Discussion and panel A2,3,4	Discussion and panel	Discussant: Dr. Khavalbolot Kyelgyenbai
10:25-10:30	Closing remarks A2,3,4	Closing remarks	Dr. Ganbat Danaa

Presentation slots are 10-12 minutes unless another duration is shown. Shared discussion, panel and closing times are listed as separate programme items.

Friday 9 October 2026 11:00-12:30

Songino-Khairkhan Room: B Geo Systems and Mineral Science Part I

Convenor: Dr. Khishigsuren Sodnom; Session Chair: Dr. Batkhishig Bayaraa

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
11:00-11:05	Opening remarks B	Opening remarks	Dr. Batkhishig Bayaraa Mongolian University of Science and Technology
11:05-11:15	GM2026-B3-003 B3	Zoovch Ovoo Uranium Deposit (Mongolia): From Exploration to Industrial Development of a World-Class ISR Project	Antoine Collet Badrakh Energy LLC, Mongolia
11:15-11:25	GM2026-B1-004 B1	Biostratigraphic Significance of Conodonts in the Devonian-Lower Carboniferous Deposits of the Zarafshan-Hisor Structural-Formational Zone, Uzbekistan	Baxtiyor Soriyev Institute of Mineral Resources, Uzbekistan
11:25-11:35	GM2026-B3-001 B3	Paleoenvironmental and Stratigraphic Settings of the Dulaan Uul and Zoovch Ovoo Uranium Roll-Front Deposits (Dornogobi, Mongolia)	Hugo Marek Université de Lorraine, France
11:35-11:45	GM2026-B3-002 B3	Features of the Distribution and Composition of Ores of the Uchkulach Lead-Zinc Deposit	Arofat Khaydarova University of Geological Sciences, Uzbekistan
11:45-11:55	GM2026-B3-004 B3	The Future of Critical Minerals in Central Asia’s Giant Mining Belt	Azimjon Kholikov University of Geological Sciences, Uzbekistan
11:55-12:05	GM2026-B1-003 B1	Regional and Local Fluid Redistribution Systems in Coal-Rock Massif (Ukraine)	Nataliia Vergelska National Academy of Sciences, Ukraine

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
12:05-12:25	Discussion and panel B	Discussion and panel	Chair and Moderator: Dr. Batkhishig Bayaraa
12:25-12:30	Closing remarks B	Closing remarks	Dr. Batkhishig Bayaraa

Presentation slots are 10-12 minutes unless another duration is shown. Shared discussion, panel and closing times are listed as separate programme items.

Friday 9 October 2026 13:30-14:40

Songino-Khairkhan Room: B Geo Systems and Mineral Science Part II

Session Chair: Dr. Tseedulam Khuut

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
13:30-13:35	Opening remarks B	Opening remarks	Dr. Tseedulam Khuut
13:35-13:45	GM2026-B4-001 B4	Comparative analysis of UAV magnetometric data acquired with different magnetometer types	Dastan Orazov GEODEVICE LLC., Kazakhstan
13:45-13:55	GM2026-B4-003 B4	Application of MASW for Near-Surface Characterization in the Ob Bay, Russia (Kamennomysskoye-more Field)	Artem Kudinov GD TECHNOLOGIES LLC, Russia
13:55-14:05	GM2026-B4-002 B4	Regularized Teleseismic Double-Difference Relocation of Earthquakes in the Altai-Sayan Intracontinental Deformation Zone, Western Mongolia	Nangyal Ghani Khan Mongolian University of Science and Technology
14:05-14:35	Discussion and panel B	Discussion and panel	Chair and Moderator: Dr. Tseedulam Khuut
14:35-14:40	Closing remarks B	Closing remarks	Dr. Tseedulam Khuut

Presentation slots are 10-12 minutes unless another duration is shown. Shared discussion, panel and closing times are listed as separate programme items.

Friday 9 October 2026 16:00-17:10

Songino-Khairkhan Room: Session F Geospatial Intelligence GIS and Digital Earth Systems

Convenor: Dr. Oyuntsetseg Dash; Session Chair and Discussant: Bayarmaa Enkhbold

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
16:00-16:05	Opening remarks F	Session F opening remarks	Bayarmaa Enkhbold Mongolian Geospatial Association
16:05-16:15	GM2026-F1-002 F1	A Study of Mongolia's National Satellite Geodetic Network	Javzandulam Bataa Mongolian University of Science and Technology
16:15-16:25	GM2026-F1-003 F1	Toward a Semi-Dynamic Datum for Mongolia: Motivation, Workflow and Multi-Technique Infrastructure	Amarjargal SHARAV Institute for Astronomy and Geophysics, MAS
16:25-16:35	GM2026-E1-002 F2	Analysis of multispectral images in the MATLAB computer mathematics system	Alexander Dubanov Banzarov Buryat State University
16:35-17:05	Discussion and panel F	Discussion and panel	Chair and Moderator: Dr. Bayarmaa Enkhbold
17:05-17:10	Closing remarks F	Session F closing remarks	Dr. Bayarmaa Enkhbold

Presentation slots are 10-12 minutes unless another duration is shown. Shared discussion, panel and closing times are listed as separate programme items.

Thursday 8 October	**17:30**	**18:30**	**Author-attended Poster Session Day 1**	**Poster and Exhibition Area 2F**

Friday 9 October 2026 09:00-10:25

Bayanzurkh Room: Session C Green and Safe Mining Part I

Convenor: Dr. Guo Lijie; Session Chair: Dr. Wang Gang and Dr. Ying Chang

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
09:00-09:05	Opening remarks C	Opening remarks	Dr. Wang Gang, Shandong University of Science and Technology, China Dr. Ying Chang, BGRIMM Technology Group, China
09:05-09:15	GM2026-C2-001 C2	Research on Coupling Characteristics of Multi-source Risks and Intelligent Transformation Strategies for “OEPM” in Complex Underground Mining Environments	Yongfu Liu Shandong University of Science and Technology, China
09:15-09:25	GM2026-C2-002 C2	Mechanical behavior and instability warning in the process of hydraulic progressive wetting	Yixin Liu Shandong University of Science and Technology, China
09:25-09:35	GM2026-C2-004 C2	Risk Status Monitoring and Safety Management for Underground Mining Workers	Hao Xu Shandong University of Science and Technology, China
09:35-09:45	GM2026-C2-005 C2	Real-time Microseismic Monitoring as an Early Warning Tool for Rockburst and Ground Instability in Deep Underground Mining	Ying Chang BGRIMM Technology Group, China
09:45-09:55	GM2026-C2-006 C2	Hazard Classification Ledger and Intelligent Perception Assistant for Underground Mines	Wenbin Zhao SinoSteel Maanshan General Institute of Mining Research Co. Ltd, China
09:55 - 10:05	GM2026-C2-007 C2	Research on the stability and ground pressure manifestation characteristics of large-area goaf	Fei Li Changsha Institute of Mining Research Co., Ltd., China
10:05-10:15	GM2026-C2-008 C2	Risk assessment of goaf instability and disaster control technology	Chang Liu Changsha Institute of Mining Research Co., Ltd., China
10:15-10:25	GM2026-C2-009 C2	Research on the Construction of a "34N2 + Information Technology Integration" Safety Management System Centered on Work Safety Standardization	Yanyan Zhao Changsha Institute of Mining Research Co., Ltd., China

Presentation slots are 10-12 minutes unless another duration is shown. Shared discussion, panel and closing times are listed as separate programme items.

Friday 9 October 2026 11:00-12:50

Bayanzurkh Room: C Green and Safe Mining Part II

Session Chair: Dr. Wang Gang and Dr. Ying Chang

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
11:00-11:10	GM2026-C2-010 C2	Slope Stability Evolution during Overhand Horizontal Cut-and-Fill of Hanging-Wall Ore Bodies Adjacent to Open-Pit Slopes: A Case Study of the Obo Zinc Mine Open-Pit-to-Underground Transition	Bolin Xiao University of Science and Technology Beijing, China
11:10-11:20	GM2026-C2-011 C2	Methodology and Modeling for Assessing the Reliability Level of Mining Machinery Based on Safety Performance Indicators	Lodonsharav Bat-Erdene Mongolian university of science and Technology
11:20-11:50	Discussion and panel C2	Discussion and panel	Chair and Moderator: Dr. Wang Gang and Dr. Ying Chang
11:50-12:00	GM2026-C1-005 C1	Strength Modelling and Cost Optimization of Paste Backfill Mining: A Case Study of the Tömörtiin Ovoo Zinc Mine	Bolin Xiao University of Science and Technology Beijing, China
12:00-12:10	GM2026-C1-002 C1	Fusion of Deep Feature Extraction and DBN for Dynamic Risk Assessment Model of Coal Mine Workers	Zhen Liu Shandong University of Science and Technology, China
12:10-12:20	GM2026-C1-004 C1	Study on synergistic cracking mechanism and application of hydraulic fracturing and blasting in steeply inclined coal seam	Enmao Wang Shandong University of Science and Technology, China
12:20-12:30	GM2026-F2-001 C1	Reactive transport modelling as a toolbox to support uranium in situ recovery operations and environmental remediation	Antoine Collet Badrakh Energy LLC, Mongolia
12:30-12:45	Discussion and panel C1	Discussion and panel	Chair and Moderator: Dr. Wang Gang and Dr. Ying Chang
12:45-12:50	Closing remarks C	Closing remarks	Dr. Wang Gang and Dr. Ying Chang

Presentation slots are 10-12 minutes unless another duration is shown. Shared discussion, panel and closing times are listed as separate programme items.

Friday 9 October 2026 13:30-15:10

Bayanzurkh Room: Session E Advanced Technologies in Mineral Resources

Convenor: Dr. Ariunbolor Purvee and Dr. Khavalbolot Kyelgyenbai; Session Chair: Dr. Ariunbolor Purvee; Discussant: Dr. Orkhontuul Borya.

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
13:30-13:35	Opening remarks E	Opening remarks	Dr. Ariunbolor Purvee Mongolian University of Science and Technology
13:35-13:45	GM2026-E3-001 E3	Redefining Rock Quality Designation from Borehole Core: An Observation-Based Framework for Objective and Interoperable Data	Erdenetuya Chuluunbaatar AstroGeo Co. Ltd, Mongolia
13:45-13:55	GM2026-E2-001 E2	BSN-Agent: An LLM Agentic Workflow Application for Automated Seismic Monitoring, Diagnosis and Analysis in Deep Mining	Yi Zeng BGRIMM Technology Group, China
13:55-14:05	GM2026-D5-004 E1	Energy Performance Modeling and Soc-Constrained Energy Management of a Range-Extender Hybrid Mining Truck Under Mongolian Open-Pit Conditions	Ariunbolor Purvee Mongolian University of Science and Technology
14:05-14:15	GM2026-E1-003 E1	Comparative Analysis of UAV-Based and Conventional Surveying Methods for Volume Estimation in Open-Pit	Radnaasumberel Battulga Mongolian University of Science and Technology
14:15-14:25	GM2026-G2-002 E1	Influence of Mining, Technical, and Operational Conditions on the Specific Energy Consumption of Excavators	Chadraabal Sugarragchaa Mongolian University of Science and Technology
14:25-14:35	GM2026-D2-001 E1	A Review of AI-Based Intelligent Diagnostic Technologies in the Mineral Processing Industry	Erdenezul Jargalsaikhan "Erdenet mining corporation" SOE, Erdenet Institute of Technology
14:35-14:45	GM2026-E1-004 E1	Engineering Scheme of Real-time Obstacle Warning for Autonomous Open-pit Mining Trucks Based on Custom Vehicle-mounted Wide-angle Imaging Equipment	Xiangtong Ren CRRC Technology Innovation (Beijing) Co. Ltd, China
14:45-15:05	Discussion and panel E	Discussion and panel	Discussant: Dr. Orkhontuul Borya Mongolian University of Science and Technology
15:05-15:10	Closing remarks E	Closing remarks	Dr. Ariunbolor Purvee

Presentation slots are 10-12 minutes unless another duration is shown. Shared discussion, panel and closing times are listed as separate programme items.

Friday 9 October 2026 16:00-17:35

Bayanzurkh Room: Mining Operations, Energy Systems, Mining machinery and equipment

Convener: Dr. Chinzorig Bavuu; Session Chair: Dr. Narmandakh Sarantsatsral

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
16:00-16:05	Opening remarks D and G	Opening remarks	Dr. Narmandakh Sarantsatsral
16:05-16:15	GM2026-D1-001 D1	TRoSiKA - Current Investigations of the Friction and Wear Behaviour of Centralizers	Susann Klein TU Bergakademie Freiberg, Institute of Drilling Engineering and Fluid Mining
16:15-16:25	GM2026-D4-002 D4	Research on Matching of Multi-Source Power Mining Trucks under Different Operating Conditions	Peiying Hu CRRC Datong Electric Locomotive CO., LTD.
16:25-16:35	GM2026-D4-003 D4	FFT-Based Vibration Analysis for Early Detection of Motor Shaft Faults	Erdenetsetseg Saijaa Mongolian University of Science and Technology
16:35-16:45	GM2026-D5-005 D5	Power-Factor-Feedback-Based Adaptive Excitation Control of Industrial Synchronous Motors	Otgonchimeg Choidorj Mongolian University of Science and Technology
16:45-16:55	GM2026-D5-002 D5	Strategic Planning for Mine Dewatering: Hydraulic Simulation and Infrastructure Optimization at the “Erdenet Ovoo” Open-Pit Mine	Altansanaa Bazarvaani Mongolian university of science and technology

Time	Code or item and session	Presentation or programme item	Presenter, lead or affiliation
16:55-17:05	GM2026-D5-007 D5	Investigation Of Mechanical Properties of Fff-Produced Petg Components Under Cyclic Loading for Mining Equipment Applications	Bagdaulyet Yermurat Sakarya University of Applied Sciences, Graduate Education Institute, Mechanical Engineering, Sakarya, Türkiye
17:05-17:30	Discussion and panel D	Discussion and panel	Dr. Narmandakh Sarantsatsral
17:30-17:35	Closing remarks D	Closing remarks	Dr. Narmandakh Sarantsatsral

Presentation slots are 10-12 minutes unless another duration is shown. Shared discussion, panel and closing times are listed as separate programme items.

Thursday 8 October	17:30	18:30	Author-attended Poster Session Day 1	Poster and Exhibition Area TBC 2F

Poster Programme Thursday 8 October 2026 17:30-18:30

Venue: Poster and Exhibition Area 2F. Authors must attend their assigned session.

Board	Code and session	Presentation title	Presenting author and affiliation	Country
P1-01	GM2026-A3-002 A3	Occupational Safety Risk Assessment for Open-Pit Haul Truck Maintenance and Repair Using Hierarchical Fuzzy Logic	Purevsuren Dalai Mongolian University of Science and Technology	Mongolia
P1-02	GM2026-A4-001 A4	From Research Infrastructure to Sustainable Capacity: An Operational Framework for Mineral Resource Science Laboratories in Mongolia	Temuugen Davaasuren MetaLab, Mongolian University of Science and Technology	Mongolia
P1-03	GM2026-A4-005 A4	Digital Transformation Program of the School of Geology and Mining Engineering, Mongolian University of Science and Technology	Munkhtsengel Baatar Mongolian University of Science and Technology	Mongolia
P1-04	GM2026-A4-006	Academic workforce capacity analysis: a case study of the school of Geology and Mining engineering, MUST	Buyankhishig Nemer Mongolian University of Science and Technology	Mongolia
P1-05	GM2026-A4-008	Organizational Culture and Academic Workforce Sustainability: A Case Study of The School of Geology and Mining Engineering at The Mongolian University of Science and Technology	Erdenetuya Dorjgotov Mongolian University of Science and Technology	Mongolia
P1-06	GM2026-B2-002 B2	Mineralogical Composition of The Ores of The Western Umid Deposit	Azimjon Abduvaitov Institute of Mineral Resources	Uzbekistan
P1-07	GM2026-B2-003 B2	Hydrogeochemistry and Geothermometry of Khangai Mountain Hot Springs, Mongolia	Naranchimeg Batsaikhan Mongolian University of science and technology	Mongolia
P1-08	GM2026-D2-003 B2	Study on the mineralogical composition of serpentinites and the mode of occurrence of nickel and chromium metals	Ergash Jabborov State institution "Institute of Mineral Resources"	Uzbekistan
P1-09	GM2026-D1-003 D1	Measurements and diagnostics of metal structures of some parts of the EKG-10 excavator’s two-post supports using metal magnetic memory	Nanzad Tseveen School of Geology and Mining Engineering, Mongolian University of Science and Technology	Mongolia
P1-10	GM2026-D2-006 D2	Development Of a Technology for Producing High-Quality Talc Product from Zinelbuloq Deposit Talc Ore	Mirmukhsin Botirov Institute of Mineral Resources	Uzbekistan
P1-11	GM2026-D2-008 D2	XRT intelligent ore sorting technology and mineral processing equipment	Shu Yu Chen Tsinghua University	China
P1-12	GM2026-D5-008 D5	Determination Of Initial and Secondary Ore Dilution	Bilguun Jambalsenge Mongolian University of Science and Technology	Mongolia
P1-13	GM2026-F5-001 D5	Root-Cause-Analysis-Integrated Warranty Management for Heavy Mining Equipment: A Retrospective Oyu Tolgoi Open-Pit Case Study and a 2026 Implementation Framework	Gandiimaa Zorigtbaatar Oyu Tolgoi LLC	Mongolia

Poster Programme Friday 9 October 2026 15:00-16:00

Venue: Poster and Exhibition Area 2F. Authors must attend their assigned session. Afternoon coffee and networking will be served during the session.

Board	Code and session	Presentation title	Presenting author and affiliation	Country
P2-01	GM2026-C1-003 C1	Ecological Restoration of an Open-Pit Coal Mine Using Rumex K-1 and Native Plant Species: Evidence from Hulunbuir, China	Daorentuya Mongolian university of Life Science, Darkhan campus	China
P2-02	GM2026-D5-003 D5	Operational factors influencing material handling system productivity in large scale copper processing plant	Lkham Baasantseren Mongolian University of Science and Technology	Mongolia
P2-03	GM2026-D5-006 D5	Optimization of Overburden Stripping Equipment Parameters at the Tsankhi Mine	Battulga Bat-Ochir Freiberg University of Mining and Technology	Germany
P2-04	GM2026-D7-001 D7	Mongolia's Mining-Product Transport Logistics: Performance Trends, Infrastructure Constraints, and Management Priorities	Javkhlan Ganidbazar Mongolian University of Science and Technology	Mongolia
P2-05	GM2026-E1-005 E1	Development of eAM iBeX: A Dynamic and Configurable System for Asset and Maintenance Management	Gantumur Erdenedalai Mongolian University of Science and Technology	Mongolia
P2-06	GM2026-D4-001 E2	Theory And Methodology of Smart Mine Management (A Case Study of Erdenet Open-Pit Copper Mine)	Batbolor Temuge Mongolian University of Science and Technology	Mongolia
P2-07	GM2026-F1-004 F1	Determination Of Building Structure Inclination Using the Coordinate Method	Dulguun Davaatseren Mongolian University of Science and Technology	Mongolia
P2-08	GM2026-F1-005 F1	Determination of excavator boom geometric parameters using a total station	Ganzorig Erdenenemekh Mongolian University of Science and Technology	Mongolia
P2-09	GM2026-F1-001 F1	Advancing Geospatial Intelligence through Satellite-Based Topographic Mapping in Mongolia	Boloroo Surenjav Ministry of Urban development, Construction and Housing	Mongolia
P2-10	GM2026-G1-001 G1	Optimization of the Dewatering Process During Coalbed Methane Production	Altangerel Naranbat Mongolian University of Science and Technology	Mongolia
P2-11	GM2026-G2-001 G2	Feasibility Study of Implementing a Boil-Off Gas (Bog) System at A Liquefied Natural Gas Station	Narantsetseg Buyanbat Mongolian University of Science and Technology	Mongolia
P2-12	GM2026-G3-001 G3	Study Of Failures and Damages in Vertical Steel Tanks for Petroleum Product Storage	Narantsetseg Buyanbat Mongolian University of Science and Technology	Mongolia
P2-13	GM2026-G3-003 G3	Adsorptive Desulfurization of High-Sulfur Diesel Fuel Using Bone-Derived Biochar: A Preliminary Study	Suvd-Erdene Damdin School of Geology and Mining Engineering, Mongolian University of Science and Technology	Mongolia
P2-14	GM2026-E2-003 E2	Statistical and Machine Learning-Based Approaches for Analyzing Technological Process of Erdenet Mining Corporation	Delgermaa Erkhemjargal Mongolian Academy of Sciences	Mongolia

Presenter Information

Oral presentations. Presentation slots are 10–12 minutes unless another duration is indicated in the programme. Speakers must finish within their published start and end times.

Presentation format. Please prepare your presentation in PowerPoint (.pptx) or PDF (.pdf) format. A 16:9 widescreen layout is recommended. For presentations containing animations, videos or audio, please use PowerPoint, ensure all media are embedded in the file, and test playback before submission.

File submission and backup. Please email your presentation file to the Organizing Committee by 7 October 2026. Include your presentation code and the presenting author's name in the email subject line and file name. Please also bring a backup copy on a USB drive.

Room arrival. Report to your assigned room at least 15 minutes before your session begins. Check that the correct version of your presentation is available on the room computer and runs properly, and complete any necessary uploads or technical checks before the session starts.

Discussion and panel sessions. Chairs and discussants should protect the published joint discussion, panel and closing times. Individual presentations must not overrun or reduce the time allocated to these activities.

Schedule discipline. A cancelled presentation does not move later presentations to an earlier published start time.

Poster presentations. Please bring your printed poster and mount it before the assigned author-attended session. Presenting authors should be available beside their posters during that session. Final poster dimensions, mounting times and removal times will be issued separately.

Poster printing assistance. Authors who are unable to bring a printed poster should contact the Organizing Committee in advance to place a printing order by 7 October 2026. A print-ready PDF will be required. Submission deadlines, printing arrangements and collection details will be confirmed when the order is arranged.

Conference Contact

Website	Email	Organizer	Venue
https://geomine.must.edu.mn/	geomine@must.edu.mn	School of Geology and Mining Engineering, Mongolian University of Science and Technology	Ulaanbaatar Hotel, Ulaanbaatar, Mongolia