



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

Hall: Crystal Hall 1

Date: Sept. 23

T08S08: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Mechanism, Mitigation, and Risk Management of Geohazards Triggered by Extreme Weather Events

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B286	Xingmin Meng Invited	Landscape Dynamics and Geohazards in the Bailong River Corridor, China
08:40-08:55	B115	Sanjeev Regmi	Slope Instability Assessment at the Upstream Section of Sunkoshi Hydropower Project
08:55-09:10	13	Aiguo Li	Comparison Study of Typical Landslides in Hong Kong and Shenzhen
09:10-09:25	B572	Yi Zhang	Activities and Kinematic Evolution of Large Landslides Along Fault Belt in the Ne Qinghai-Tibet Plateau
09:25-09:40	B557	Chris Massey	Cyclone Gabrielle Landslides, New Zealand
09:40-09:55	B337	Qinghua Lei	Predicting Catastrophic Rock Slope Failures Via Dragon-King Detection
09:55-10:10	B268	Xiaojun Su	Updating Inventory, Deformation, and Development Characteristics of Landslides in Hunza Valley, NW Karakoram, Pakistan by SBAS-InSAR
10:10-10:25	B408	Jianhua Ma	Research on Preferential Infiltration in Rainfall-Induced Loess Landslide
10:25-10:45		Coffee Break	

T08S13: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Advances in Modelling Rainfall-Induced Landslides

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B6	Zizheng Guo Invited	FSLAM: A Fast Physically-Based Model for Rainfall-Induced Landslide Susceptibility Assessment and Its Application
11:05-11:20	B158	Daijin Yu	The Unsaturated Seepage Process and Mechanism of Internal Interfaces in Loess-Filled Slopes During Intermittent Rainfall
11:20-11:35	B345	Peng Yu	Model Experiment and Numerical Simulation Study on Completely Weathered Granite Induced by Extreme Rainfall
11:35-11:50	B487	Diwakar Khadka	Geographic Object-Based Image Analysis for Landslide Identification Using Machine Learning on Google Earth Engine
11:50-12:05	B415	Daniel Camilo Roman Quintero	The Role of Suction Stress on Landslide Hazard Mapping in Pyroclastic Slopes of Campania (Italy)

T08S08: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Mechanism, Mitigation, and Risk Management of Geohazards Triggered by Extreme Weather Events

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B354	Fanyu Zhang Invited	Moisture Migration on the Shear Zone Controlling Loess Landslide Failure Models
13:40-14:00	B669	Da Huang Invited	Performance and Application of the Novel Drainage Anti-Slide Piles on Reservoir-Induced Landslides
14:00-14:15	728	Mian Sohal Akram	Mechanism and Structural Evidence of Interlayered Rock Slope Failures
14:15-14:30	B356	Zonglin Zhang	Assessment and Prediction of Soil Slope Stability and Failure Surface Location
14:30-14:45	651	Shuang Wang	Design and Application of a Flexible Enclosure for Seasonally Saline Frozen Areas in Airports
14:45-15:00	B430	Yuanxi Li	Automatic Mapping of Potential Landslides Using Satellite Multitemporal Interferometry



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

15:00-15:15	B302	Yangyang Li	Integration of Unsaturated Soil Mechanics into Slope Susceptibility Mapping
15:15-15:30	B454	Te Xiao	Machine Learning-Powered Spatio-Temporal Landslide Forecasting
15:30-15:45	B395	Kristine Jarsve	A Conceptual Debris Flow Model for the Zhouqu Area of the Bailong River Basin

T08S08: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Mechanism, Mitigation, and Risk Management of Geohazards Triggered by Extreme Weather Events

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B699	Huili Chen Invited	Fit-for-Purpose High-Resolution Risk Assessment and Forecasting System for Rainfall-Induced Hazards in Bhutan
16:10-16:25	B628	Shin-Ping Lee	Large Scale Sediment Transportation Induced by Long Duration Rainfall
16:25-16:40	B560	Guan Chen	Experimental Field Study on the Formation Process of Debris Flow Dam at Channel Confluence: Implications for Early Identification of River Blockage
16:40-16:55	366	Jian Huang	A New Simulation Tool on Rockfall Fragmentation-Movement-Deposition Process
16:55-17:10	B545	Yajun Li	Comparison of Debris Flow Activities at Two Different Tributaries of the Bailong River
17:10-17:25	B483	Wangcai Liu	Forecast Volume of Potential Landslides in Alpine-Canyon Terrain Using Time-Series InSAR Technology: A Case Study in the Bailong River Basin, China
17:25-17:40	B791	Chaoxu Guo	The Application of Ultra Light Dynamic Cone Penetration Test in Shallow Landslide
17:40-17:55	B610	Jiacheng Jin	The Influence of Tectonic Processes on the Formation and Characteristics of Landslide Dams on the NE Tibet Plateau: A Case Study in the Bailong River Basin, China

Hall: Crystal Hall 2 Date: Sept. 23

T01S02: Engineering Geomechanics of Rock and Soil Masses>Structure of Soil and Rock Mass

Time	Paper ID	Speaker	Paper Title
08:20-08:40	567	Songfeng Guo Invited	The Classification Methods of Anisotropic Rock Mass and Applications
08:40-09:00	B144	Weiwei Zhu Invited	Advancements in Investigating Complex Subsurface Fracture Networks with the Discrete Fracture Network Method
09:00-09:15	683	Violetta Shanina	Ways to Improve the Accuracy of Determining the Preconsolidation Pressure
09:15-09:30	B211	Yifeng Zhao	Reconstruction and Generation of 3D Realistic Soil Particles with Metaball Descriptor
09:30-09:45	B360	Xiaopeng Zhou	An Improved DBSCAN Clustering Algorithm for the Identification of Rock Discontinuity Sets from 3D Point Cloud
09:45-10:00	B467	Xiaochan Wang	Research on the Deformation Characteristics and Constitutive Model with Local Damage Law for Granular Materials
10:00-10:15	B15	Jiixin Zhang	Effect of Grain Roughness on Permeability and Electrical Conductivity of Porous Rock Under Mineral Dissolution
10:15-10:30	172	Wenlian Zhang	Stability Prediction of Rock Slope Based on Fuzzy Clustering GA-FNN model
10:15-10:45		Coffee Break	



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

T01S07: Engineering Geomechanics of Rock and Soil Masses> Multiphase Flow and Geomechanics in CO₂ Geological Sequestration

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B872	Chaozhong Qin Invited	Limiting Pathways and BreakThrough Pressure for CO ₂ Flow in Mudstones
11:05-11:20	B548	Zhonghao Sun	Examining Surface Roughness Effects on Subpore-Scale Trapping Mechanisms in Porous Media via Microfluidics
11:20-11:35	B829	Zan Wang	Inferring CO ₂ Saturation from Synthetic Surface Seismic and Downhole Monitoring Data Using Machine Learning for Leakage Detection at CO ₂ Sequestration Sites
11:35-11:50	B792	Chenxing Zhou	Experimental Study of Dissolution Regimes in Multiphase Flow Environment with Real-Rock Microfluidics
11:50-12:05	B649	Yunfei Li	Experimental and Modeling Investigation of CO ₂ Solubility in Brine at In-Situ Conditions for Geological Carbon Storage

T01S02: Engineering Geomechanics of Rock and Soil Masses>Structure of Soil and Rock Mass

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B890	Wen Fan Invited	3D Loess Microstructure: Perceive the Subtle to Understand the Profound
13:40-14:00	B876	Wen Zhang Invited	Multi-Source Recognition and Automatic Interpretation for Rock Mass Structures
14:00-14:15	184	Guobin Gong	DEM Simulations of Critical State Behavior of Sand Under Triaxial Compression and Extension
14:15-14:30	B653	Beixiu Huang	Rapid Determination of the Brittleness of Shale Based on Conversion Models from Elements to Mineral Compositions
14:30-14:45	B421	Yongfeng Zhu	Modeling Distribution and Evolution of Loess Pore Structure by Two-Dimensional Distinct Element Method Analyses
14:45-15:00	B70	Tingchang Yin	Finite-Size Scaling for the Connectivity and Permeability of Discrete Fracture Networks
15:00-15:15	57	Thian Lai Goh	An Alternative Approach to Rock Mass Rating, RMR Determination from Geological Strength Index, GSI for Limestone Rock Mass, Ipoh, Perak, Malaysia
15:15-15:30	B824	Jingkai Qu	Study on the Geological Characteristics of the Red Beds in the Yun-Gui Section of the Chongqing-Kunming High-Speed Railway

T01S02: Engineering Geomechanics of Rock and Soil Masses>Structure of Soil and Rock Mass

Time	Paper ID	Speaker	Paper Title
15:50-16:10	448	Gianvito Scaringi Invited	Thermal and Shear-Rate Effects in Landslides: from the Classics to the Future
16:10-16:30	B241	Xiaolin Huang Invited	Effect of the Crystal Habit on Micromechanical Extensile Behaviors of the Crystalline Rock During Compression
16:30-16:45	B270	Tao Xiao	Relationship Between Water Retention Capacity and Pore-Size Distribution of Compacted Loess
16:45-17:00	B422	Yanyan Zhou	Investigating Strain Localization in Malan Loess Under Mini-Triaxial Shearing Using X-Ray Micro Tomography
17:00-17:15	B564	Weina Yuan	Microstructure Characteristics of Loess and their Effects on Shear Behavior
17:15-17:30	B90	Tuo Lu	A New Method to Determine the Segmentation of Pore Structure and Permeability Prediction of Loess Based on Fractal Analysis
17:30-17:45	614	Kaleem Ullah Jan Khan	Experimental Study on Meso-Mechanical Behavior of Coarse-grained Granular Soils
17:45-18:00	280	Cheng Zhao	Applications of Hydro-Mechanical Phase Field Model: from Laboratory Scale to Natural Fracture Networks



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

Hall: Crystal Hall 3 Date: Sept. 23

T09S01: Technological Innovation in Engineering Geology (3rd Shaoxing International Forum)>Advanced Monitoring Technologies for Geoengineering

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B891	Chao Zhou Invited	Evaluation of Loess Collapsibility Based on a Simple Elastoplastic Model and In-Situ Time-Domain Reflectometry Tests
08:40-09:00	B892	Dongsheng Xu Invited	Recent Development of Advanced Monitoring Technologies in Coral Reef Engineering
09:00-09:15	B641	Jiewei Zhan	Characterization of Pre- and Post-Failure Deformation and Evolution of the Shanyang Landslides Using Multi-temporal Remote Sensing Data
09:15-09:30	98	Yongxiu Zhou	A Novel Remote Sensing Landslide Semantic Segmentation Method: Using CycleGAN- Based Change Detection Algorithms
09:30-09:45	B844	Hui Hu	The Application of Visual Deformation Monitoring Techniques in Geological Hazards Monitoring and Early Warning
09:45-10:00	B472	Linan Liu	Investigate Tunneling-Induced Ground Subsidence Using Integrated InSAR and Machine Learning Techniques
10:00-10:15	401	Haoyu Mao	Safety Intelligent Control Platform of Deep-Buried Tunnel Based on Multivariate Monitoring Information

10:15-10:45

Coffee Break

T09S01: Technological Innovation in Engineering Geology (3rd Shaoxing International Forum)>Advanced Monitoring Technologies for Geoengineering

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B447	Honghu Zhu Invited	Multi-Physical Landslide Monitoring with a Fiber-Optic Nerve System
11:05-11:25	B460	Daoyuan Tan Invited	A Novel Method for Integrity Assessment of Soil-Nailing Works with Actively Heated Fiber Optic Sensors
11:25-11:40	251	Kai Gu	Groundwater Flow Characterization in Strata of Loose Sediments Using Actively Heated Fiber Optics Based Thermal Response Test
11:40-11:55	B756	Abd Ullah	Investigation of Concrete-Steel Interaction in Composite Member via Distributed Fibre Optic Sensor Technology
11:55-12:10	B929	Kai Zhou	Secured Drapery System: Tests, Design Principals and Experiences

T09S03: Technological Innovation in Engineering Geology (3rd Shaoxing International Forum)>New Laboratory Techniques and Their Applications in Engineering Geology

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B779	Arindam Basu Invited	Evaluating Shear Behavior of 'Real' Natural Rock Discontinuities
13:40-14:00	B828	Shengwen Qi Invited	A New Dynamic Direct Shear Apparatus for Discontinuities
14:00-14:20	B445	Louis Wong Invited	A Computational Algorithm for Calculating Fracture Index of Core Runs
14:20-14:35	B831	Rui Kong	Test Apparatus and Technology to Determine Complete Stress-Strain Process for Hard Rocks Under True Triaxial Stress Path
14:35-14:50	B647	Shuang Yang	Stress-Dependent Wave Propagation in Dry Sandstones Considering Void Compaction Under Uniaxial Load
14:50-15:05	407	Hani Meree	A Numerical Study on the Performance of Traditional Concrete and Three-Dimensional Printed Concrete Dams Under the Boulder Impact
15:05-15:20	321	Yong Chen	Thermal Properties of Phase Change Material Incorporated Subgrade Clay
15:20-15:35	B437	Jiang Rong	Mechanical Properties and Reinforcement Mechanism of Nano-Ferric Oxide Solidified Loess

15:35-15:50

Coffee Break



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

T09S03: Technological Innovation in Engineering Geology (3rd Shaoxing International Forum)>New Laboratory Techniques and Their Applications in Engineering Geology

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B495	Jia-Jyun Dong Invited	Laboratory Measurement of Fluid Storage and Migration Parameters of Intact Rocks and Rock Joints
16:10-16:30	B192	Kaiwen Xia Invited	Laboratory Earthquakes Decipher Control and Stability of Rupture Speeds
16:30-16:50	B499	Cho Sang Ho Invited	Dynamic Direct Shear Tests of Jointed Rock Using Compact CNS Direct Shear Box
16:50-17:05	B719	Jie Wu	Rock Mechanical Portable Laboratory System
17:05-17:20	B450	Hua Li	Comparison of High-Frequency Components in Acoustic Emissions from Rock Fracture Under Mode I and Mode II Dominated Loading
17:20-17:35	344	Mingliang Zhou	An ANN-Based Constitutive Model for Interbedded Hydrate-Bearing Sediments
17:35-17:50	629	Zexu Ning	Assessment of Similarity for Rock-like Material Prepared by 3D Printing Technology
17:50-18:05	B434	Wei Yao	Experimental Apparatus for Observing Full Friction Process Using Hopkinson Torsion Bar

Hall: Crystal Hall 4 Date: Sept. 23

T08S14: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning > Landslide Dams: Formation, Stability, Breaching and Risk Management

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B378	Xi Xiong Invited	Modelling Hydraulic-Mechanical Behavior of Unsaturated Landslide Dam Materials and Its Application in FEM Simulations of Flume Tests
08:40-09:00	B519	Lu Jing Invited	A General Grain Segregation Model for Enhanced Prediction of Heterogeneous Granular Landslide Deposition
09:00-09:15	B539	Regine Morgenstern	Assessing Landslide Dam Hazards in Aotearoa New Zealand: A Data Driven Approach
09:15-09:30	B279	Jiawen Zhou	Physical and Numerical Modeling for Breaching and Flood Routing Processes of Landslide Dams
09:30-09:45	B569	Gang Fan	Mechanism and Simulation Method of Landslide Dam Overtopping Failure —— Based on Large-Scale Field Experiments
09:45-10:00	B634	Jiacheng Xia	Experimental Study on Diversion Channel Disposal of Landslide Dams Via Connected Gravel Geotextile Bags
10:00-10:15	B504	Wenjun Lu	Centrifuge Study of Glacial Debris Flow

10:15-10:45

Coffee Break

T08S05: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Research on Disaster Prevention and Environmental Protection in Japan

Time	Paper ID	Speaker	Paper Title
10:45-11:05	633	Nobusuke Hasegawa Invited	A Study on the Relationship Between Building Damage and Shallow Subsurface Ground in the 2015 Nepal Gorkha Earthquake
11:05-11:20	659	Guichen Ma	Study on Rockfall Simulation Method Using Discontinuous Deformation Analysis
11:20-11:35	688	Qinxue Wang	Investigating Challenges and Countermeasures for the Yoshino River Environment in Japan
11:35-11:50	689	Jingcai Jiang	Estimation of Slip Surfaces Using the Results of Groundwater Logging in Fracture Zone Landslides



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

T08S12: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Advances in Disaster Reduction of Large Landslides: Activities of JTC1 and iRALL

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B732	Chris Massey Invited	A Prototype Earthquake-Induced Landslide Forecast Tool for New Zealand
13:40-13:55	422	Marco Loche	Landslide Susceptibility in the Turkish Northwesternmost Sector: Distinctive Patterns of inactive and Active Landslides
13:55-14:10	429	Luca Lervolino	Wildfire Effects on Sloping Pyroclastic Covers: An Experimental Study
14:10-14:25	B664	Gonghui Wang	JTC1-Natural Slopes and Landslides: Its Activities and Achievements
14:25-14:40	345	Kuroschi Thuro	Determination of Crucial Shear Parameters in Highly Landslide Prone Tropical Soils in Bello Oriente, Medellín, Colombia
14:40-14:55	269	Wenbing Shi	Movement Process Analysis of Long-Runout Guanling Landslide in Guizhou, China
14:55-15:10	323	Depan Hu	A Case Study of Automatically Monitoring System Experiment for Landslide within Tianfu New District in Chengdu
15:10-15:25	445	Muhammad Hasan	Determining the Geotechnical Parameters of Rock Mass via Non-invasive Geophysical Methods

15:25-15:50

Coffee Break

T08S12: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Advances in Disaster Reduction of Large Landslides: Activities of JTC1 and iRALL

Time	Paper ID	Speaker	Paper Title
15:50-16:10	358	Thad Waskiewicz Invited	Post-Wildfire Landslide Engineering: Hazard Assessment to Mitigation Solution for Areas in the Cameron Peak Wildfire, Colorado, USA
16:10-16:25	438	Chengcheng Zhang	Evaluating Dark Fiber Distributed Acoustic and Strain Sensing for Shallow Ground Movement Monitoring: A Field Trial
16:25-16:40	541	Qing Lü	A Practical Method to Predict the Occurrence Time of Storm-Induced Shallow Landslide Considering the Underlying Impermeable Bedrock
16:40-16:55	547	Ning Bao	Estimation of Seismic Earth Pressure Acting on Stabilizing Piles in Sandy Slopes Considering Soil Arching Effect
16:55-17:10	557	Xiaoyi Fan	Experimental Investigation on Impact Force of Dry Granular Flows on A Rigid Retaining Wall
17:10-17:25	B431	Chu Xu	Field Monitoring and Kinematic Behavior of a Multi-Sliding Zones Landslide in the Three Gorges Reservoir Area
17:25-17:40	B525	Langping Li	Path-Dependent Landslide Geometry Analysis
17:40-17:55	229	Xinyan Peng	Various Applications of Developed DDA-SPH Method to Coupling Problems involved in Geological Disasters

Hall: Crystal Hall 5

Date: Sept. 23

T04S04: Geoenvironmental Engineering and Ecological Solutions>Expansive Soil/Clay and Its Environmental Effects

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B893	Weimin Ye Invited	An Infiltration Model for Inclined Covers Considering Capillary Barrier Effects
08:40-09:00	B894	Anthony Leung Invited	Vegetation as a Nature-Based Solution for Slope Stabilisation: Recent Advances
09:00-09:15	474	Yuhong Meng	Dynamic Evolution of Hydration Cracks Upon Bentonite Self-Sealing with Technological Voids
09:15-09:30	563	Xusheng Yan	Effect of Groundwater Salinity on the Hydro-Mechanical Behavior of Compacted Bentonite



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

09:30-09:45	B589	Huaxiang Yan	Mechanistic Modelling of Piping and Erosion of Swelling Clays
09:45-10:00	692	Yonggang Zhang	Dynamic Strength Degradation Prediction Research of Foamed Lightweight Soil Under Chemical Erosion and Wet-Dry Cycle
10:00-10:15	B718	Zhifei Hu	Ion Adsorption on the Surface of Montmorillonite and the Control of the Size of the Nanochannel
10:15-10:30	123	Dongyue Pan	Temperature Effect on the Deformation Behavior of Compacted Bentonite Under Free Swellingrinkage Conditions

10:30-10:45

Coffee Break

T04S04: Geoenvironmental Engineering and Ecological Solutions>Expansive Soil/Clay and Its Environmental Effects

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B895	Qiong Wang Invited	Experimental Evidence on the Cracking and Sealing Mechanisms of Compacted Bentonite
11:05-11:20	163	Yihe Xu	Volumetric Behavior of Compacted Stiff Clay Subjected to Wetting and Drying Cycles
11:20-11:35	209	Nan Wang	Expansive Soil Treatment with Powder-Form Polymer Soil Stabilizer
11:35-11:50	162	Qian Zhang	Mechanical Behavior of EICP-Treated Calcareous Sands at High Stress Levels
11:50-12:05	627	Dapeng Deng	Simulation and Prediction of Soil Erosion in Typical Karst Rocky Desertification Area Based on SWAT Model

T04S01: Geoenvironmental Engineering and Ecological Solutions>Biological and Ecological Geoenvironmental Engineering

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B896	Chaosheng Tang Invited	Bio-Geoengineering Technology and the Applications
13:40-14:00	B897	Ningjun Jiang Invited	Bio-Stimulated Micp for the Heavy Metal Immobilization
14:00-14:15	B452	Yijie Wang	Role of Biochar in Improving Biostimulated MICP: Shear Strength Enhancement and Ammonium Removal
14:15-14:30	B424	Chunhui Chen	Effect of Biopolymers on Soil Geotechnical Properties and their Possible Engineering Application
14:30-14:45	B335	Chuangji Lin	A Displacement Back-Analysis Method for Soil Constitutive Model Parameters Based on Pressuremeter Test – Illustrated with Shanghai Clays
14:45-15:00	B94	Qi Zhang	Numerical Investigation of Three-Dimensional Vegetated Slope Stability Under Single- and Mixed-planting Conditions
15:00-15:15	B343	Lingxiang Wang	A Darcy-Scale Numerical Model for Microbially Induced Calcite Precipitation Modeling in Heterogeneous Porous Media
15:15-15:30	B898	Jinquan Shi	Anisotropic Small Strain Stiffness of Lightly Biocemented Sand Considering Grain Morphology

15:30-15:50

Coffee Break

T04S01: Geoenvironmental Engineering and Ecological Solutions>Biological and Ecological Geoenvironmental Engineering

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B899	Junjun Ni Invited	Vegetation Effects on Water and Gas Migration in Unsaturated Soils: Theory and Application
16:10-16:30	B14	Qing Cheng Invited	Tension-Healing Mechanism of Desiccation Cracks in a Clayey Soil
16:30-16:45	B388	Xiaohua Pan	An Efficient Bio-Sealing of Rock Weathering Cracks Using Microbial Induced Magnesia Carbonation



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

16:45-17:00	B63	Haowen Guo	Effects of Soil-Plant-Biochar Interactions on the Performance of Landfill Cover System
17:00-17:15	B230	Yuchen Wang	Effects of Elevated Atmospheric CO ₂ on Soil-Microbe-Plant System Under Biochar Treatment
17:15-17:30	B340	Yajie Chu	Pore-Scale Modeling Microbially Induced Calcium Carbonate Precipitation Process
17:30-17:45	B582	Qiao Wang	Multicomponent Gases (CH ₄ /CO ₂ /C ₆ H ₆) Diffusion and Adsorption in Unsaturated Bentonite: A Molecular Insight

Hall: Crystal Hall 6 Date: Sept. 23

T06S01: Marine Engineering Geology, Marine Geo-Environment and Disasters -3rd International Symposium on Marine Engineering Geology (ISMEG 2023)>Geophysical Techniques and Methodological Advances for Marine Engineering Geology, Marine Geoenvironment and Disasters

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B309	Yanliang Pei Invited	Design and Implementation of a Deep-Towed High-Resolution Multichannel Seismic System: Kuyang St2000
08:40-09:00	B251	Bryan Bergkamp Invited	Recent Advances and Best Practices for Engineering Oriented Marine Geohazards Assessment
09:00-09:15	B750	Lejun Liu	Sustainable Development and Utilization on Island and Coast Zone
09:15-09:30	B763	Chao Zhong	Research on Design and Application of Shipborne Air-Sea Methane Exchange Flux Measurement System
09:30-09:45	B458	Zhihui Zou	High-Resolution Wave Impedance Inversion Method for Offshore Freshened Groundwater Based on Combination of Tomography and Minimum Entropy Deconvolution
09:45-10:00	B643	Furong Ji	Marine Controlled-Source Electromagnetic Inversion Constrained by Well Logging and Seismic Data
10:00-10:15	B429	Yixiao Luan	Analysis and Prediction of Suction Caisson Uplift Capacity Based on ISM and DNN
10:15-10:30	B17	Bowen Li	In Situ Monitoring of Water Quality in the Polymetallic Nodules Depositional Area in the Western Pacific

10:30-10:45

Coffee Break

T06S01: Marine Engineering Geology, Marine Geo-Environment and Disasters -3rd International Symposium on Marine Engineering Geology (ISMEG 2023)>Geophysical Techniques and Methodological Advances for Marine Engineering Geology, Marine Geoenvironment and Disasters

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B417	Vicki Moon Invited	Tephra Seismites: Using Soft Sediment Deformation Structures to Unravel Seismic History
11:05-11:20	486	Lingxu Li	Improvement Effect and Mechanical Model of Submarine Silt Stabilized by GS Agent
11:20-11:35	B619	Zening Zhao	Reliability Identification of Subsurface Shallow Gas Based on Resistivity Piezocone Penetration Tests
11:35-11:50	B626	Yanyan Lu	Marine Magnetotelluric Inversion Based on Velocity Constrained and Deep Learning
11:50-12:05	B428	Yefeng Yang	A CFD-DEM Coupling Approach Considering Topological and Gaussian Curvature Effects in Non-spherical Particles

T02S01: Climate Change and Sustainable Development>Extreme Climate, Soil and Water Conservation, and Sustainable Development in Semi-arid Regions

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B900	Li Guo Invited	Updating Probable Maximum Precipitation for Hong Kong Under Intensifying Extreme Precipitation Events
13:40-14:00	95	A.T.M.Shakhawat Hossain Invited	The Hidden Geo-Hazards in the Rohingya Refugee Camps of Ukha, Cox's Bazar, Bangladesh — A Threat for Sustainable Development



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

14:00-14:15	B19	Tom Dijkstra	A Conceptual Model for the Weather-Induced Deterioration of Transport Infrastructure Earthworks
14:15-14:30	B226	Jidong Teng	An Analytical Method for Assessing Frost Heave Susceptibility of Frozen Soils
14:30-14:45	B930	Yurui Li	Gully Land Consolidation and Rural Sustainable Development in the Loess Plateau
14:45-15:00	B109	Rahman Khalil Ur	Monitoring the Real-time Depletion of Groundwater Using Grace Satellite and Smart IoT-Based Groundwater Monitoring System
15:00-15:15	B46	Fansheng Kong	Effects of Freeze-Thaw Cycles on the Erodibility and Microstructure of Soda-Saline Loessal Soil in Northeastern China
15:15-15:30	413	Shuangxi Feng	Study of Tunnel-Soil Interaction Under Seismic Excitation and a Simplified Earth Pressure Calculation Method for Tunnel Structure in Soft Soil Area

15:30-15:50

Coffee Break

T02S02: Climate Change and Sustainable Development>Cryospheric Changes and Sustainable Development

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B901	Tonghua Wu Invited	Permafrost Changes and the Engineering Risk Assessment on the Qinghai-Tibet Plateau
16:10-16:30	B902	Huayang Lei Invited	Analysis of Reinforcement Effect and Influencing Factors of Soft Ground Treated by Prefabricated Radiant Drain Vacuum Preloading Technology
16:30-16:45	B212	Donghui Shangguan	Cryospheric Changes and their Effects in the Upper Reaches of Yangtze River
16:45-17:00	B583	YanJun Che	Proglacial Lake Expansion due to Glacier Shrinking: A Case Study of the Midui Glacier in the Southeast Region of Qinghai-Tibet Plateau
17:00-17:15	B210	Zhenqi Sun	Watershed Water Policy Based on a Glacier Water Service Perspective in the Typical Glacier Basins, Western China
17:15-17:30	B532	Fujun Niu	Risk Assessment of Engineering Diseases of Embankment-Bridge Transition Section Along the Qinghai-Tibet Railway in Permafrost Regions
17:30-17:45	B608	Zekun Ding	The Outburst of a Lake and Its Impacts on Redistribution of Surface Water Bodies and Permafrost Thermal Regime on Tibet Plateau
17:45-18:00	B681	Bo Zhang	Debris Flow Occurred at Yigong on 21 July 2022 and Its Meteorological Background

Hall: Wuhou Hall

Date: Sept. 23

T11S01: Preservation of Cultural Heritage and Engineering Geology>Investigation, Design, and Monitoring of Cultural Heritage

Time	Paper ID	Speaker	Paper Title
08:20-08:40	587	Qinglin Guo Invited	Simulation Experiment Study on Large-Size Sandstone Weathering Under Coupling Effect of Rainfall, Temperature and Sunlight
08:40-09:00	598	Pulin Cao Invited	A Study on Deformation of the Meridian Gate's Platform in the Forbidden City Based on Long-term Monitoring Data
09:00-09:15	85	Yu Li	Love-Wave Full Waveform Inversion in the Time Domain: Case Study of Ancient Tomb Prospecting
09:15-09:30	170	Deshan Cui	Microscopic Mechanism of Water and Salt Migration in the Great Wall Soil of the Ming Dynasty Under Freeze-Thaw Cycles
09:30-09:45	556	Hongsong Li	Study on the Diseases Classification and Definition of Grottoes and Rock Carvings
09:45-10:00	597	Tao Peng	A Study on the Survey of Water Seepage Damage of Tongnan Great Buddha
10:00-10:15	45	Pulin Cao	Study on Deformation Forecasting Method for Heritage Buildings Based on AR and Deep Learning Models



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

10:15-10:30 601 Fei Qi Research on the Detection Method of Ancient Drainage System in the Palace Museum

10:30-10:45

Coffee Break

T05S02: Active Tectonics, Geomorphology and Geological Hazards>Active Faults and Earthquake Chained Hazard Zonation

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B134	Qingli Zeng Invited	Dating, Seismic Origin of Large Paleolandslides and Implications on Active Faults
11:05-11:20	B148	Ziyue Wang	Accessibility Analysis of Emergency Shelters Considering Fault Rupture and Strong Ground Motion in Xichang City
11:20-11:35	B414	Tao Wang	A Case Study on Improvement of Newmark Displacement Model and Verification of Seismic Landslide Hazard Assessment, Southwest China
11:35-11:50	317	Mohammad Feruj Alam	3.8 Magnitude Earthquake in Sylhet Area, Bangladesh-A Case Study of School Building Damage

T11S02: Preservation of Cultural Heritage and Engineering Geology > Material, Environment, and Digital Preservation of Cultural Heritage

Time	Paper ID	Speaker	Paper Title
13:20-13:40	581	Haiyu Wu Invited	Numerical Simulation of Sand Dune Accumulation at Suoyang Ancient City
13:40-14:00	584	Junlian Li Invited	Composition and Structure Analysis of Xi'an Drum Tower Foundation
14:00-14:15	573	Haoxin Chen	Study on the Characteristic and Influencing Factor of the Upper Erosion of the Ming Great Wall in Gansu Province, China
14:15-14:30	575	Jianxin Hua	Presentation of Engineering Geological Achievements in Digital Protection Project of Ancient Building Complexes in Gubeikou Village
14:30-14:45	579	Qian Xia	Effects of Environmental Relative Humidity on Water and Salt Transport in Soil Columns
14:45-15:00	552	Pengfei Chen	Analysis on the Stability of No. 66 Enemy Station of the Ming Great Wall in Yanqing, Beijing

15:00-15:50

Coffee Break

T11S03: Preservation of Cultural Heritage and Engineering Geology>Engineering Geology in Preservation and Protection of Heritage Sites, Stone Resources, and Geo-Heritage

Time	Paper ID	Speaker	Paper Title
15:50-16:10	6	Daria Shubina Invited	Modern Landslide Activity and Slope Stability Analysis on the Site "Oreand" (Southern Slope of the Crimean Mountains)
16:10-16:30	B464	Sibao Zhu Invited	Interpretation of Geological Relics from the Perspective of Engineering Geology: Take the Case of Dagan County, Yunnan Province
16:30-16:45	526	Vinod K Sharma	Disaster Risk Reduction Around a Heritage Temple Complex in Garhwal Himalaya
16:45-17:00	B45	Oyelami Charles Adebayo	Evaluation of Three Geosites within Ilesha Schist Belt Southwest Nigeria as a Potential Geoheritage Site for Sustainable Regional Development
17:00-17:15	577	Peiran Liu	Effect of Reservoir Construction on Weathering Characteristics of the Cliff at Bingling Temple Grottoes
17:15-17:30	B74	Yumin Du	Quantitative Research on the Development Difference of Scaling off on the Sunward Side and Nightside of Earthen Sites
17:30-17:45	B775	Shuo Wang	A Comprehensive Study of Water Seepage Disease at the Old Drum Tower Site in Chongqing Based on Meso-Test, Geological Exploration and Refined Simulation
17:45-18:00	565	Yi Wang	Study on Prevention and Control Measures of Groundwater Seepage Disease in Leshan Giant Buddha Based on Seepage Mode Analysis



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

Hall: Gaoxin Hall

Date: Sept. 23

T10S03: Applied Geology for Major Engineering Projects>Mechanism, Monitoring, and Early Warning of Dynamic Disasters in Deep Underground Engineering

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B857	Feng Dai Invited	Progressive Damage and Fracture Mechanism of Dynamic Disaster of Engineering Rock Mass: New Advances and Engineering Applications
13:40-14:00	B96	Tianbin Li Invited	A Deep-Buried Tunnel Microseismic Monitoring and Rock Burst Warning System Based on Deep Learning and Virtual Simulation Technology
14:00-14:15	B858	Zhenhao Xu	Intelligent Identification of Lithology and Adverse Geology in Tunnelling
14:15-14:30	B550	Quan Jiang	Fracture Behavior of Pre-Tunnel Rocks Subjected to Shear Loading
14:30-14:45	B213	Qiong Wu	Experimental Study of the Influence of Wetting and Drying Cycles on the Strength of Intact Rock Samples from a Red Stratum in the Three Gorges Reservoir Area
14:45-15:00	B214	Yue Qin	Influence of Wetting and Drying Cycles on the Shear Behavior of Discontinuities Between Two Different Rock Types with Various Surface Topographies
15:00-15:15	B860	Ang Li	Investigations on Mechanical Behaviour of Bedded Rock Masses Using a Microseismic Data-Driven Model
15:15-15:30	B12	Fanmeng Kong	Developmental Characteristics and Hazard Effects of Active Fault Zones Along the Sichuan-Tibet Railway

15:30-15:50

Coffee Break

T10S04: Applied Geology for Major Engineering Projects>Advanced Geological Prediction Techniques and their Applications in Tunnel Construction

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B867	Shaoshuai Shi Invited	Key Technologies and Applications of Geological Detection and Surrounding Rock Perception of Tunnel Drilling Jumbo
16:10-16:30	732	Shyam Lal Kapil Invited	Resolution of Critical Geological Issue by Seismic Tomography in A Northern Himalayan Hydro Tunnel
16:30-16:45	B903	Guangliang Feng	Immediate Rockburst in Deep Tunnel: Microseismic Monitoring and Warning
16:45-17:00	268	Darren Paul	A Method of Representing Uncertainty in Three Dimensional Digital Ground Models
17:00-17:15	B122	Gang Yang	A Method for Extracting Discontinuities of Tunnel Rock Mass Based on 3D Scene Reconstruction and Spatio-Temporal Series Prediction
17:15-17:30	B862	Lichao Nie	Intelligent Detection of Unfavorable Geology and Active Disaster Control in Tunnel Construction
17:30-17:45	B865	Yuxiao Ren	Physics-Driven Deep-Learning Inversion of Seismic Velocity for Geological Forward-Prospecting in Tunnels
17:45-18:00	B859	Kunkun Dai	Tunnel Multi-Information Modeling and 3D Visualization

Hall: Jinjiang Hall

Date: Sept. 23

T12S05: Young Engineering Geologist Afternoon>Geological Hazards and Risk Management

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B203	Xin Liu Invited	An Analytical Solution for Quantifying Annual Probability of Slope Failure Induced by Rainfall
08:40-09:00	B292	Jian He Invited	Prompt Quantitative Risk Assessment for Rain-Induced Landslides
09:00-09:15	B530	Xuyan Wu	Effects of Debris Flow Particle Size-Segregation on Deposit Morphology
09:15-09:30	49	Xiaoyun Sun	Slope Displacement Prediction Based on Cross Distillation for Small Samples
09:30-09:45	B260	Yibing Ning	Evolution Mechanism and Stability Evaluation of Deep-Seated Toppling Slopes in the Upper Lancang River, Southwest China



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

09:45-10:00	B841	Junrong Zhang	Input-Parameter Optimization Using a SVR-Based Ensemble Model to Predict Landslide Displacements in a Reservoir Area - A Comparative Study
10:00-10:15	B513	Haibing Yu	Infiltration Model and Dynamic Stability for Bedding Rock Slope with Soft Interlayer Under Rainfall Conditions
10:15-10:30	B630	Shiyu Hu	Factors, Pathways, and Strategies for Enhancing Public Disaster Preparedness Willingness in Geological Hazard-Prone Areas

10:30-10:45

Coffee Break

T12S05: Young Engineering Geologist Afternoon>Geological Hazards and Risk Management

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B106	Adebayo Olaniyi Afolabi Invited	Geohazrd Assessment of Aboto – Alita River Bridge, Southwestern, Ondo State, Nigeria
11:05-11:25	B813	Leilei Liu Invited	Dynamic Prediction of Landslide Failure-Time Using Ensemble Learning Based on Classical Prediction Models
11:25-11:40	B202	Dingtao Yang	An Experimental Study: the Size Effect of Particle Substitution in Shear Tests of Granular Material
11:40-11:55	B198	Songlin Liu	A Physics-Informed Data-Driven Model for Landslide Susceptibility Assessment in the Three Gorges Reservoir Area
11:55-12:10	B370	Ruochen Jiang	River Damming Threats by Massive Glacier Detachments in the Yarlung Tsangpo Grand Canyon

T12S05: Young Engineering Geologist Afternoon>Geological Hazards and Risk Management

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B401	Changdong Li Invited	Landslide Prediction Model Based on Data Assimilation Method Considering Dynamic Evolution Process
13:40-13:55	B184	Kun Fang	Application of Smart Monitoring Technology in Landslide Model Test
13:55-14:10	B142	Zhongyuan Xu	Derivation of Rainfall Thresholds for Shallow Landslides by the Geostatistical Interpolation
14:10-14:25	B269	Shilin Zhu	An Automatic Slope Units Delineation Software Integrating a New Method Based on Contour
14:25-14:40	B116	Xingchen Zhang	Deformation Trend and Probabilistic Analysis of Bank Landslides Using Time-Series InSAR and Hurst Index
14:40-14:55	B691	Haoran Yang	A Preliminary Study of Multi-Failure Mechanism of Landslide Dams
14:55-15:10	B328	Yajiao Li	Deformation Monitoring Model of Faced Rockfill Dams Based on Component Separation
15:10-15:25	B494	Qiqi Liu	Characteristics and Geological and Surficial Evolution Processes of Loess Landslides Under the Influence of Faults and Rivers

15:25-15:50

Coffee Break

T12S02: Young Engineering Geologist Afternoon>Multiphysics Coupling in Fractured Rocks and Its Engineering Application

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B240	Hui Wu Invited	Effect of Matrix on Tracer Transport in Subsurface Fractured Reservoir
16:10-16:30	B904	Jiaqing Zhou Invited	Geometry-Based Prediction of Substance Migration in Fractured Rocks: Models and Implications
16:30-16:45	B93	Xuan-Xinh Nguyen	A Novel Pulse-Decay-Balance Method for Aperture Measurements of Smooth Rock Joints
16:45-17:00	B289	Yunfeng Ge	A Semi-Automatic Approach to Quantifying the Geological Strength Index Using Terrestrial Laser Scanning
17:00-17:15	B567	Lei Wang	Coupled Tmd Modeling of Cryogenic Fracturing in Coal Rocks



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

17:15-17:30	B469	Jingyu Kang	Automated Identification of Rock Discontinuity Orientation Based on 3D Point Clouds
17:30-17:45	B133	Kai Liu	Experimental Study on Triaxial Creep Characteristics of Fissure Loess
17:45-18:00	B790	Zhen Liao	Numerical Investigation on Non-Darcian Flow Behaviour in Fracture Networks

Hall: Shufeng Hall

Date: Sept. 23

T05S01: Active Tectonics, Geomorphology and Geological Hazards > Rockslide/Rock Avalanches: Geomorphology, Sedimentology, and Emplacement Dynamics

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B205	Bruno Cagnoli Invited	Flow Front Mobility of Rock Avalanches
08:40-09:00	B627	Shiva P. Pudasaini Invited	Mechanically Controlled Landslide Deformation
09:00-09:15	B705	Muhammad Bilal	Three-Dimensional Runout and Spatio-Temporal Evolution of Landslides in High Elevation Regions
09:15-09:30	462	Bo Wang	Research Progress and Trend Analysis of Deep Fracture of Deep-Cut Canyon Rock Slope
09:30-09:45	B594	Puskar R. Pokhrel	Multi-Phase Mass Flow Simulations with Native Nepalese Supergrains
09:45-10:00	B510	Huijun Liu	Calculation of Lagrangian Mechanics for Collapse
10:00-10:15	B349	Chao Yue	The Application and Prospect of Flexible Protection Technology in China
10:15-10:30	B570	Ge Gao	On Tmicoscale Modeling of Fracture Propagation in Rock: Implication to Rock Slope Instability

10:30-10:45

Coffee Break

T05S01: Active Tectonics, Geomorphology and Geological Hazards > Rockslide/Rock Avalanches: Geomorphology, Sedimentology, and Emplacement Dynamics

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B344	Ranjan Kumar Dahal Invited	Managing the Risk from Rock Falls in Nepal
11:05-11:20	B305	Yufeng Wang	Research on the Sedimentary Characteristics of Rock Avalanches in the Tibetan Plateau of China
11:20-11:35	B609	Jeevan Kafle	Novel Mechanical-Dynamical Aspects of Native Nepalese Complex Granular Slides
11:35-11:50	B264	Nenghao Zhao	Research on Dynamic Model of High-Speed Landslides Based on Mechanism of Frictional-Thermal-Pressurization
11:50-12:05	B721	Yinpeng Liu	Investigation for Failure Mechanism and Simulation for Long-Runout of the Catastrophic Rock Landslide in the Shanyang Vanadium Mine, China

T05S03: Active Tectonics, Geomorphology and Geological Hazards>Large-Scale Geohazard in Active Tectonic Region, as a Special Session of C24-IAEG

Time	Paper ID	Speaker	Paper Title
13:20-13:40	Annual Report of C24 Progress		
13:40-14:00	B112	Ranjan Kumar Dahal Invited	DGSDS in the Himalayas
14:00-14:20	B135	Yongshuang Zhang Invited	Reactivation Mechanism of Ancient Landslide Triggered by Coupling of Fault Creep and Water infiltration: A Case Study from the East Tibetan Plateau
14:20-14:35	B731	George Papathanassiou	New Insights Between the Occurrence of Liquefaction Phenomena with the Evolution of a Floodplain; Case Studies from Damasi, Greece 2021 and Turkey/Syria 2023 Earthquakes
14:35-14:50	B529	Shobhana Lakhera	Preliminary Assessment of Displacement in Joshimath Town, from the Perspective of Deep-Seated Landslides



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

14:50-15:05	B708	Changbao Guo	Study on the Repeated Failure Patterns and Potential Risks of the Yigong Long Run-Out Landslide, Tibetan Plateau, China
15:05-15:20	B380	Chenxiao Tang	Ancient Landslides in the Western Sichuan, China: Mapping, Analysis, and Susceptibility
15:20-15:35	B247	Linfeng Fan	Joint Impacts of Tectonic Uplift, River Incision and Climate Change on Landslide Triggering in the East Tibetan Plateau

15:35-15:50

Coffee Break

T03S04: Megacity Engineering Geology>Seismic Characterization, Design and Analysis of Urban Underground Space

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B102	Chuanbin Zhu Invited	Earthquake Site Effects from Observation to Prediction and from Site-Specific to Region-Scale Modelling: Covering the Whole Spectrum
16:10-16:30	B778	Zhiyi Chen Invited	State-of-the-Art and Practice of Seismic Resilience for Urban Underground Structures
16:30-16:45	B781	Tianxiao Cheng	3D Geological Modeling and Underground Space Evaluation in Foshan Sanlong Bay Area
16:45-17:00	B783	Bu Zhang	Seismic Failure Mechanism of the Underground Shaft Structure with Crossing Layered Rock Soil Strata
17:00-17:15	B786	Bo Ni	Convolutional Neural Network-Based Seismic Fragility Analysis of Subway Station Structure Considering Spatial Variation of Site Shear-Wave Velocity
17:15-17:30	B83	Junju Xie	Development of a New Site Classification System for China Based on VS30
17:30-17:45	B157	Kun Ji	Development of China Strong-Motion Stations Site Database
17:45-18:00	B769	Shengqi Xia	Research on Seismic Performance Index of the Vehicle-Track-Tunnel System

Hall: Shuhan Hall

Date: Sept. 23

T03S01: Megacity Engineering Geology>Development and Utilization of Urban Underground Space and Adverse Geology

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B905	Yuyong Jiao Invited	Study on the Mechanism of Water and Sand Inflow Disasters in the Deep Foundation Pit of A Subway Station near a River
08:40-09:00	B462	Qiangbing Huang Invited	Land Subsidence and Ground Fissures and Its Countermeasures for Metro Tunnel in Xi'An, China
09:00-09:15	B604	Xia Bian	Fault-Based Zoning Methods for 3D Geological Modelling and Borehole Location Smart Determination Using Machine Learning Method
09:15-09:30	B595	Jingqi Wang	Implementing Surface Wave Methodology for Precise Detection of Shallow Coal Seam Mining Areas
09:30-09:45	663	Yanxia Long	Carrying Capacity of Urban Underground Space and Influencing Factors Analysis for a Coastal Megacity
09:45-10:00	B546	Yunxiao Xin	Experimental Study on the Mechanical Response of a Buried Tube in Clay During the Lower Soil Cavity Development
10:00-10:15	B521	Bei Zhang	Investigation of the Impact Dynamics of High-Speed Granular Flow Based on Centrifuge Modeling and DEM Simulation
10:15-10:30	B773	Sicheng Lin	Numerical Investigation of Creep Characteristic and an Innovative Simple Model of Rock for Deep Underground Engineering

10:30-10:45

Coffee Break



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

T03S03: Megacity Engineering Geology>Recent Advances in Megacity Engineering Geology

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B788	Yu Huang Invited	Vulnerability Analysis of Coastal Pile Foundation Engineering Under Storm Surge
11:05-11:25	661	Atiye TUĞRUL Invited	Engineering Geology for Reporting Aggregates
11:25-11:40	B9	Xingyue Li	Modeling Snow Avalanche Regimes and their Transitions on Three-Dimensional and Real-Scale Complex Terrain
11:40-11:55	B420	Yuemin Sun	Spatio-temporal Evolution of Land Subsidence and Susceptibility Zonation of Associated Ground Fissures in the Urban Area of Loess Plateau: A Case in Xianyang City, China
11:55-12:10	B722	Yu Li	The Application of Seismic Surface Waves and Traveltime tomography Imaging in the Groundwater Monitoring on the Dongzhi Loess Tableland

T03S03: Megacity Engineering Geology>Recent Advances in Megacity Engineering Geology

Time	Paper ID	Speaker	Paper Title
13:20-13:40	631	Ueno Shinya Invited	Structural Health Monitoring of Expressway Embankment Using Distributed Acoustic Sensing (DAS)
13:40-14:00	B651	Tao Zhao Invited	Assessing Rainfall-Induced Embankment Failure Through FEM Hydro-Mechanical Coupling Modeling
14:00-14:15	B772	Zhiqian Liu	Non-Linear Stochastic Seismic Analyses of a Typical Metro Station Structure Under Multi-Source Uncertainty Conditions
14:15-14:30	679	Yandong Bi	Experimental Study on Wave-Induced Pore Pressure Response and Instability of Layered Submarine Clayey Slope
14:30-14:45	680	Shu Zhou	A Depth-Integrated Model for Simulating the Dynamic Process of Submarine Landslide and Its Induced Tsunami Hazard
14:45-15:00	B734	Xiaolin Tan	Experiment and CFD-DEM Simulation on Collapse Dynamics of Submarine Granular Flows
15:00-15:15	B797	Xiaoyan Jin	The Effects of the Impact of the Rainfall-Induced Landslide Debris on the Building Based on MPM Method
15:15-15:30	B787	Xin Luo	The Introduction of "ESGH" Model—Recent Advances on Earthquake-resilient Cities in the Intelligence Era

15:30-15:50

Coffee Break

T03S02: Megacity Engineering Geology>Megacity Geotechnical Engineering under Complicated Geological Conditions

Time	Paper ID	Speaker	Paper Title
15:50-16:10	4	Jianxiu Wang Invited	Land Subsidence Mechanism Under the Influence of Deep Recharging, Middle Dewatering and Shallow Loading in Shanghai
16:10-16:30	B451	Hoai-Han Le Invited	Scale Effect on the Determination of Spatial Correlation Factor Used in Markov Random Field
16:30-16:45	103	Chunxue Du	Gradient Ratio Tests on Nonwoven Geotextiles Filtering Clay Under Normal Stresses
16:45-17:00	B219	Liming Xue	Study on Dynamic Response of Subgrade of High Speed Railway Crossing Ground Fissure Site
17:00-17:15	B298	Suran Wang	Large Displacement Shear Characteristics of Sand Particles Affected by High Temperatures: Heat Degradation and Particle Breakage
17:15-17:30	56	Dan Zhang	Study on Properties of CFG Pile Composite Foundation with Large Diameter
17:30-17:45	60	Hao Wang	Study on the Method of Filling Pit Foundation Treatment in Beijing Area
17:45-18:00	410	Ciqie Jili	Research on Soil Instability Characteristics and Prevention Measures of Row Pile Support in Expansive Soil Deep Foundation Pit



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

Hall: Crystal Hall 1 Date: Sept. 24

T08S11: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning->Coseismic Landslides: Disaster Risk Cognition and Reduction

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B733	Gerardo Grelle Invited	Seismic-Induced Landslides Hazard Prediction in Relation to the Regional Strong-Motions Features
08:40-08:55	B621	Gonghui Wang	A Translational Deep-seated Bedrock Landslide Triggered by the 2018 Hokkaido Eastern Iburu Earthquake
08:55-09:10	93	Longqi Li	Failure Mode of Steep Bedding Slopes Undergoing Strong Earthquake
09:10-09:25	240	Xiao Cheng	Permanent Displacement of Slopes Considering Horizontal and Vertical Ground Motions Based on the Tensile-Shear Sliding Mode
09:25-09:40	294	Md. Azahar Hossain	Earthquake Induced Landslides in Haiti: Slope Characteristics and Building Damage
09:40-09:55	B386	Xiaobo Li	Seismic Effects Analysis for the Wangjiayan Landslide Using Microtremor HVSr Method
09:55-10:10	B457	Shyam Lal Kapil	Resolution of Critical Geological Issue by Seismic Tomography in a Northern Himalayan Hydro Tunnel
10:10-10:25	716	Vivek Sharma	Geological Risk Assessment and Prevention Measures for Hydropower TBM Tunnelling Under High Cover
10:25-10:45		Coffee Break	

T08S11: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning->Coseismic Landslides: Disaster Risk Cognition and Reduction

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B498	Siyuan Zhao Invited	Giant River-blocking Landslide Dams with Multiple Failure Sources in the Nu River in Southeastern Tibet
11:05-11:20	B625	Marco Loche	Land Surface Temperature Controls Post-Earthquake Landslide Activity
11:20-11:35	548	Rui Sun	System Reliability Analysis of Geosynthetic-Reinforced Soil Slopes Under Seismic Conditions
11:35-11:50	B120	Jingyu Xia	Hazard Assessment of Earthquake-Induced Landslide by Newmark Model and Geophysical Method
11:50-12:05	B300	Kun He	Monitoring and Prediction of InSAR-derived Post-seismic Hillslope Deformation Rates

T08S02: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning->Recent Development of Numerical Models for Simulating Geohazard Processes and Chains of Geological Hazards

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B275	Jia-Jyun Dong Invited	The Effects of Inherent and Stress-Induced Anisotropy of Permeability on Pore Pressure Distribution and Slope Stability of Rock Slopes
13:40-14:00	B87	Zheng Han Invited	Paradigm Shifting in Debris-Flow Research: From Numerical Models to AI-Boosted Solution
14:00-14:20	B682	Qihua Liang Invited	A Coupled Human and Natural Systems (CHANS) Modelling Approach for Natural Hazard Risk Assessment
14:20-14:35	B512	Yaqi Gao	Study the Fault Evolution and Earthquake Triggering Based on the Rate- and State-Dependent Friction Law
14:35-14:50	B50	Chuanhao Pu	Mapping and Kinematic Trend Evaluation of Potential Landslides Related to Mega Land Creation with Multitemporal InSAR
14:50-15:05	310	Wenbin Chang	Research of Dynamic Fragmentation Mechanism of Columnar Rock Collapse Via DEM



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

15:05-15:20	637	Chengzhi Xia	An Improved Bond-Based Smoothed Particle Hydrodynamics for Simulating Progressive Failure of Rock Slope Under Seismic Conditions
15:20-15:35	B282	Changze Li	Dynamic Analyses of Multi-Block Rockfall Based on Three-Dimensional Discontinuous Deformation Analysis
15:35-15:50	B676	Pengcheng Yu	Improved Discontinuous Deformation Analysis Method for Fracturing Process Analysis of Deep Rock Mass

T08S02: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Recent Development of Numerical Models for Simulating Geohazard Processes and Chains of Geological Hazards

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B757	Chaojun Ouyang Invited	A Numerical Modeling Platform of Dynamic Process of Earth-surfaced Flow—Massflow
16:10-16:30	B535	Marco Loche Invited	Physically-Based Slope Stability Analysis Under Climate Change: Effect of Temperature
16:30-16:45	B737	Shengwu Qin	Analysis and Dynamic Simulation of a Crater Lake Break-out Lahar: Changbaishan-Tianchi Volcano
16:45-17:00	B377	Lili Xiao	Tsunami Squares Numerical Simulation for Landslide Generated Waves on Considering Dynamic Models of Landslide-Water Interactions
17:00-17:15	B496	Shiyao Jia	A High Precision 3D Numerical Modeling Method for High-steep Slopes Based on the UAV Nap-of-the-Object Photogrammetry
17:15-17:30	B110	Zhi Gao	Future Glacial Lake Outburst Flood Hazard and Downstream Impact of the Galong Co Lake, Tibet Himalaya
17:30-17:45	B224	Zhengyang Su	High-fidelity Modelling of Landslide Dam Overtopping Failure by Coupling Smoothed Particle Hydrodynamics Method and Discrete Element Method
17:45-18:00	B558	Lu Zheng	Contributions of Joint Structure and Free-Fall to the Fragmentation of Rock Avalanche: Insights from 3D Discrete Element Analyses

Hall: Crystal Hall 2 Date: Sept. 24

T01S04: Engineering Geomechanics of Rock and Soil Masses> Rock Mass Engineering Geomechanics

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B906	Louis Ngai Yuen Wong Invited	Unraveling the Mysteries of Thermal Strengthening in Deep Rock Formation
08:40-09:00	B556	Hongwei Yang Invited	Rock-cutting Tool Interactions with Normal Indentation Tests
09:00-09:15	670	Xin Yu	Enhancing Rock Mass Stability Through the Efficient Utilization of Backfill
09:15-09:30	B476	Fengchang Bu	Evaluation of Tested and Simulated Acoustic Emission Characteristics of Rocks
09:30-09:45	610	Shanpeng Cao	Effect of Initial Freeze-Thaw Damage on Sandstone Failure and Energy Dissipation Mechanisms Under Triaxial Loading
09:45-10:00	B47	Hua Du	Mechanical Properties and Strength Criterion of Clayey Sand Reservoirs During Natural Gas Hydrate Extraction
10:00-10:15	97	Jun Zhu	Study on Compressive Strength Degradation of Hard Rocks Induced by Water Saturation Using Acoustic Emission
10:15-10:30	289	Stephen Wilkinson	Pore Fluid Composition Impact on the Geotechnical Behaviour of Foundations

10:30-10:45

Coffee Break

T01S04: Engineering Geomechanics of Rock and Soil Masses> Rock Mass Engineering Geomechanics

Time	Paper ID	Speaker	Paper Title
10:45-11:05	646	Jianchun Li Invited	Study on Frictional Slip Behaviors of Rock Discontinuity Using an Impact-Induced Direct Shear Method
11:05-11:25	550	Charalampos Saroglou Invited	Engineering Classification for the Determination of the Uniaxial Compressive Strength of Carbonate Fault Rocks



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

11:25-11:40	B907	Feng Xiong	Critical Peak Accelerations of a Slope Against Actions of P and SV Waves with Different Incident Directions
11:40-11:55	695	Mazlina Razali	Quantitative Weathering Assessment of Granite Rock Slope Surfaces in Malaysia Using Image Analysis and Cielab Color Data: A Case Study
11:55-12:10	B416	Jingyao Gao	An Extended Discontinuous Deformation Analysis for Simulation of Grouting Reinforcement in Water-rich Fractured Rock Tunnel

T01S04: Engineering Geomechanics of Rock and Soil Masses> Rock Mass Engineering Geomechanics

Time	Paper ID	Speaker	Paper Title
13:20-13:40	453	Gianvito Scaringi Invited	Behavior of Bentonite Buffer in A Nuclear Waste Repository: Insights from a Thermo-Hydro-Mechanical Model Based on Hypoplasticity
13:40-14:00	B931	Lihui Li Invited	Cross-Scale Structure and Mechanical Properties of Laminated Rock Mass
14:00-14:15	B490	Dongming Gu	Development of a 3D Reconstruction and Visualization Method of Transparent Soil in Geotechnical Laboratory Modeling
14:15-14:30	B471	Miaomiao Wang	Degradation of Physico-Mechanical Properties and Damage Mechanisms of Sandstone Under the Combined Action of Freeze-Thaw Cycles, Chemical Solution, and Compressive Stress
14:30-14:45	B104	Rui Zhang	A New Discrete Element Modeling of Granite Fracturing Considering Microstructure and Fluid-structure Interaction
14:45-15:00	B118	Lirong Qi	Evaluating the Influence of Freeze-Thaw Cycles on Joint Strength of Granite Along Sichuan-Tibet Railway, China
15:00-15:15	282	Huiguan Chen	A Micro-mechanics-Based Damage Model for Freeze-Thaw Rock Considering Moisture Migration
15:15-15:30	B812	Chaoying Gu	Study on Engineering Properties of Fly Ash Solidified Heavy Metal Ion Contaminated Loess

15:30-15:50

Coffee Break

T01S04: Engineering Geomechanics of Rock and Soil Masses> Rock Mass Engineering Geomechanics

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B618	Yasuhiro Yokota Invited	Application of Satellite Sensing Data to Ground Deformation Monitoring
16:10-16:30	454	Jiaxing Dong Invited	Geological Characteristics of Sandy Dolomite in the Water Diversion Project in Central Yunnan Provinve
16:30-16:45	B668	Mingdong Zang	An Approach to Spatial and Temporal Probability Evaluation of Earthquake-Induced Landslide Hazard
16:45-17:00	B58	Xiaosen Kang	Twin Shear Unified Bounding Surface Plasticity Model for Soft Rocks: Theory and Application
17:00-17:15	B136	Ying Xu	Permeability Evolution of Argillaceous Sandstone Subjected to Hydromechanical Loading
17:15-17:30	B145	Zhi Zheng	Fracture Evolution Mechanism, Mechanical Model and Prediction Method of Rock Under True Triaxial Stress
17:30-17:45	588	Dazhao Lu	Experimental Investigation of Energy Extraction Power from Heated Granite
17:45-18:00	B119	Mengjie Li	A Numerical Study of Viscous Granular Flow in Artificial Step-Pool Systems: Flow Characteristics and Structure Optimization

Hall: Crystal Hall 3 Date: Sept. 24

T09S02: Technological Innovation in Engineering Geology (3rd Shaoxing International Forum)> In-situ Geo-technology

Time	Paper ID	Speaker	Paper Title
08:00-08:20	B60	Yujie Wang Invited	Intelligent Recognition for Parameters of Rock Masses Based on the Digital Drilling Technique
08:20-08:40	B71	Kai Zhang Invited	Real-Time Estimating Method on Rock Strength via MWD of Roofbolter and Its Application to In-Situ Grouting Quality Evaluation



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

08:40-08:55	B62	Siyuan Wu	Time Series Analyses of Measurement While Drilling (MWD) Data for In-Situ Ground Evaluation
08:55-09:10	638	Peng Li	Research on Mechanism and Application of Rotary Penetration Test
09:10-09:25	B320	Wendal Victor Yue	Drilling Dynamic Model for Drilling Resistance Characterization Based on Newtonian Mechanics
09:25-09:40	476	Dingmao Peng	A New Classification Method of Karst Vertical Morphology in Bridge Site Area Based on Drilling Data
09:40-09:55	B153	Xuefan Wang	New In-Situ Method for Quality Assessment and Project Management of Ground Improvement
09:55-10:10	B266	Weifeng Sun	Study on In-Situ Soil Moisture Measurement in Hole

T09S02: Technological Innovation in Engineering Geology (3rd Shaoxing International Forum)>In-situ Geo-technology

Time	Paper ID	Speaker	Paper Title
10:10-10:30	B878	Chun'an Tang Invited	Spalling in Extreme Ground Motion and Evidence from the 2008 Wenchuan Earthquake
10:30-10:50	B838	Wenjie Xu Invited	CoSim – A New Software for Geomechanics and Geohazards
10:50-11:05	B851	Pengzhi Pan	Development of Casrock for Modeling of Deep Hard Rock Fracturing Process
11:05-11:20	B742	Chun Liu	Numerical Analysis of CO ₂ Transfer in Fractured Rock Based on an Improved Discrete Model
11:20-11:35	B850	Chun Feng	CDEM: A Continuous Discontinuous Numerical Analysis Method for Geological Bodies
11:35-11:50	B744	Hongyuan Liu	Development and Application of a Parallelised Hybrid Finite-Discrete Element Method for Geohazard Mitigation and Prevention
11:50-12:05	B409	Qinyuan Liang	Study on Inverse Size Effect of Rock Uniaxial Compressive Strength Based on Grain Based Model Reconstruction Method
12:05-12:20	B4	Gang Mei	A Deep Learning Approach Using Graph Convolutional Networks for Slope Deformation Prediction Based on Time-Series Displacement Data

T09S02: Technological Innovation in Engineering Geology (3rd Shaoxing International Forum)>In-situ Geo-technology

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B746	Eugene Voznesensky Invited	Spatial Heterogeneity of Soil Properties from 2D and 3D Engineering Geological Modelling
13:40-14:00	B188	Michael Celia Invited	Fluid Leakage Along Old Oil and Gas Wells: Modeling and Measurements
14:00-14:15	662	Pengcheng Ma	Research on Application of New Standard Penetration Test in Tianjin Metro Project
14:15-14:30	217	Dongming Zhang	Evaluation of Soil Properties at Pile Location Based on CPT Data Using Spectral Clustering and Hidden Markov Chain
14:30-14:45	145	Dongdong Fan	Prediction on Ground Settlement due to Pumping by a Hybrid Method
14:45-15:00	361	Runqing Ye	Study on Engineering Geology Petrofabric Regionalization of Slope Surface Based on Multi-Source Data
15:00-15:15	16	Jiangrong Hou	On Stability of A Slope with Bedrock Using the Upper Bound Limit Analysis
15:15-15:30	B3	Yuting Yang	Deep Transfer Learning Approach for Identifying Slope Surface Cracks

15:30-15:50

Coffee Break



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

T09S04: Technological Innovation in Engineering Geology (3rd Shaoxing International Forum)>Current Trends and Future Perspectives of Machine Learning Applications in Geoscience and Engineering Geology

Time	Paper ID	Speaker	Paper Title
15:50-16:10	267	Yimeng Zhou Invited	Feasibility and Challenges of Computer Vision-Based Automatic Rock Type Classification
16:10-16:25	432	Chengyong Fang	A New Coseismic Landslides Prediction Model Based on Extreme Gradient Boosting Decision Tree
16:25-16:40	B935	Jie Dou	A Comparison of High-precision 3D Modeling of UAV Under Different Flight Modes in Stability Evaluation of Huangtupo No. 1 Riverside Sliding Mass
16:40-16:55	239	Ning Ma	Deep Learning Deriving New Generation Geophysical interpretation for Landslide by Microtremor Method
16:55-17:10	320	Qingming Li	A Preliminary Framework of Standard Sequence of Rock-Soil Strata Based on the Large Database
17:10-17:25	B237	Nikolay Nikiforov	The First Artificial Intelligence-Powered Cloud System for Engineering Geology
17:25-17:40	B306	Fan Meng	Multilevel Wavelet Decomposition Network for Missing Acoustic Well Log Reconstruction
17:40-17:55	B741	Abd Rasid Jaapar	Leveraging on Machine Learning for Managing Geohazard Impacts to Structural Assets

Hall: Crystal Hall 4 Date: Sept. 24

T08S01: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Georisk Assessment Using Machine Learning

Time	Paper ID	Speaker	Paper Title
08:20-08:40	47	Alexander Strom Invited	Rock Avalanches' Morphological Classification – Important Tool for Risk Assessment
08:40-09:00	B324	Yaming Tang Invited	Geological Hazard Risk Assessment System Based on 3D Real Scene and AHP: A Case Study
09:00-09:15	B511	Ruoshen Lin	Travel Distance Prediction for Rock Avalanche Based on Machine Learning
09:15-09:30	B308	Zhaodong Li	Identification and Assessment of Geo-Hazard Risk in The Typical Chinese Loess Region
09:30-09:45	636	Yuting Ma	Enhancing Spectral Clustering Performance Using Self-supervised Support Vector Machines for Regional Landslide Risk Assessment Visualization: A Case Study in Han-yuan County, Ya'an City
09:45-10:00	650	Xiao Ling	A Comprehensive Landslide Hazard Assessment Around Transmission Lines after the 2022 Ms6.8 Luding Earthquake, China
10:00-10:15	B485	Jierui Li	Frequent Dry-Wet Cycles Promote Debris Flow Occurrence: Application in Susceptibility Assessment
10:15-10:30	B303	Xiao Lu	Distribution and Hazard Assessment of Collapses and Landslides in Sichuan-Tibet Traffic Corridor
10:30-10:45			Coffee Break

T08S01: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Georisk Assessment Using Machine Learning

Time	Paper ID	Speaker	Paper Title
10:45-11:00	B156	Dongxiao Zhang	Efficient Wide-area Detection of Potential Landslides by Combining InSAR Phase Gradient Stacking and Deep Learning
11:00-11:15	B206	Bijing Jin	Landslide Susceptibility Mapping Based on the Deformation Intensity
11:15-11:30	B412	Shuai Liu	A Case Study on Susceptibility Assessment of Precipitation-Induced Mass Landslides Based on Optimal Random Forest Model, West Qinling Mountains
11:30-11:45	B296	Shaoqiang Meng	A Hybrid Deep Learning Network for Landslide Susceptibility Assessment



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

11:45-12:00	671	Mingzhou Bai	Research on Intelligent Recognition Algorithms for Common Subgrade Diseases Based on Radar Images
12:00-12:15	172	Wenlian Zhang	Stability Prediction of Rock Slope Based on Fuzzy Clustering GA-FNN Model

T08S10: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning> Navigating Natural Hazard Risk Assessment and Management: Compound, Consecutive, and Cascading Events

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B492	Cees Van Westen Invited	Development of a Web-Based Simulation and Information Service to Evaluate the Impact Chains of Multi-Hazard Events: the EU Paratus Project
13:40-13:55	449	Vincenzo Del Gaudio	Integration of Passive Seismic Techniques to Investigate the Landslide Dam Generated by the Yang Jia Gou Rock Avalanche (Sichuan-China)
13:55-14:10	B809	Haojie Wang	AI-Powered Rain-Induced Landslide Forecasting in Hong Kong
14:10-14:25	B85	Xiaochen Wang	The Effects of the Gully Land Consolidation Project on Geo-hazard on A Typical Watershed in the Loess Plateau of China
14:25-14:40	645	Chuanyi Tao	Numerical Simulation of Crack Propagation in Jointed Rock Mass Based on an Enhanced SPH Method
14:40-14:55	B456	Honggang Wu	Study on the Method for Determining the Position of Landslide Slip-Surface with a Typical Inclometric Curves
14:55-15:10	589	Xianlin Liu	Identifying the Potential Landslides Along Duba Highway (Guangxi, China) in Dense Vegetation Environment by Time Series InSAR
15:10-15:25	B127	Tengfei Wang	Glacial Geohazard Chain Initiation and Transformation Mechanisms in the Southeast Tibet Plateau Under Global Warming

15:25-15:50

Coffee Break

T08S15: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning> Numerical Methods for Engineering Geology and Geohazards

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B44	Alexander Strom Invited	Potential Large-Scale Rock Slope Failures in the Yigong River Valley – Hazards Endangering Population and Critical Infrastructure
16:10-16:30	B674	Michel Jaboyedoff Invited	Line of Energy and Distribution of Rockfall Travel Distances Using Inverse Gaussian Distribution and Other Examples
16:30-16:45	B500	Yifei Cui	Physical Mechanism of Fluid-driven Fine Particle Migration in Porous Media Using Fluid-Solid Coupling Numerical Method
16:45-17:00	B418	Wendy Zhou	An Overview of the Applications of GIS & Geoinformatics in Landslide Studies
17:00-17:15	B830	Xiaoping Zhang	The Formation Mechanism of Aftershock Landslide
17:15-17:30	B517	Zenan Huo	High-Performance Material Point Method Solver in Julia Language
17:30-17:45	B384	Xiangyu Ma	A Numerical Study of a Soil Slope with Stabilizing Piles Using the Material Point Method
17:45-18:00	B842	Zhou Qian	A Novel Coupling Algorithm for MPM-DEM
18:00-18:15	B528	Huo Fan	Discontinuous Deformation Analysis for Ellipsoidal Particles

Hall: Crystal Hall 5 Date: Sept. 24

T07S01: Deep Earth Resource and Energy Exploitation > Geomechanics for Deep Oil and Gas Exploitation along the Maritime Silk Road

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B291	Zhifeng Wan Invited	Characteristics of Heat Flow in Southeast Asia and Its Geological Significance
08:40-08:55	723	Wen Lin	Evolution and Outlook of Fossil Energy Trade Structure Between China and Asean within the Framework of 21st-century Maritime Silk Road



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

08:55-09:10	724	Tao Zhang	The Ice Silk Road and Global Energy Security: Implications and Challenges
09:10-09:25	B453	Jiazuo Zhou	Mechanical Behaviors Associated with Partial Phase Transition in Hydrate-Bearing Sediments
09:25-09:40	B723	Zhaopeng Zhang	Study on Multi-Scale Rock Mechanical Properties and Hydraulic Fracture Propagation Law in Conglomerate Reservoirs
09:40-09:55	591	Jiulong Liu	The Geothermal Resource Potential Analysis for Paleogene Dongying Reservoir in Tianjin Binhai New Area
09:55-10:10	B312	Cheng Meng	Geological Controls on Gas Content in Deep Coal Seam: A Case Study of the Northern DJ Block, Southeast Ordos Basin, China
10:10-10:25	B423	Qianling Liu	Analysis of Seepage Characteristics and Grouting Effect of Surrounding Rock of An Underground Water-Sealed Cavern

10:25-10:45

Coffee Break

T07S01: Deep Earth Resource and Energy Exploitation > Geomechanics for Deep Oil and Gas Exploitation along the Maritime Silk Road

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B795	Mian Umer Shafiq Invited	CO ₂ Foam Flooding Efficiency Investigation in Strong Water Drive Sandstone Reservoir to Enhance the Oil Recovery
11:05-11:20	190	Xuewei Guo	Comprehensive Governance Mode of Coal-Mining Subsidence Area Based on Whole Life Cycle
11:20-11:35	B593	Aichuan Bai	Application of Azimuthal Electromagnetic Wave Imaging Technology in Underground Deep Resource Development
11:35-11:50	B745	Daobing Wang	Numerical Simulation of Diverter Materials in Hydraulic Fractures
11:50-12:05	B673	Shan Wu	Investigation of Acoustic Emission Monitoring for Tensile Fracture Propagation

T06S05: Marine Engineering Geology, Marine Geoenvironment and Disasters -3rd International Symposium on Marine Engineering Geology (ISMEG 2023)>Geological Disasters Associated with Natural Gas Hydrate Systems and Their Effects on Marine Geological Environment

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B383	Qianyong Liang Invited	The Environment Influence of the Gas Hydrate Production Test in the South China Sea
13:40-14:00	B497	Wei Li Invited	Formation Mechanism and Controlling Factors of Submarine Creeps Offshore Dongsha Islands, Northern South China Sea
14:00-14:15	B293	Zhifeng Wan	The Formation Mechanism of Mud Volcano and Its Influence on the Occurrence of Gas Hydrates
14:15-14:30	B155	Jinan Guan	Representative Dynamic Accumulation of Hydrate-bearing Sediments in Gas Chimney System Since 30 Ka Bp in Qiongdongnan Area, Northern South China Sea
14:30-14:45	B695	Chaoyan Fan	Deep Structures of Haima Cold Seeps, South China Sea
14:45-15:00	B568	Jinxiu Yang	The Role of Marine Gas Hydrate Systems in Global Carbon Cycling: What Can Human Beings Do to interfere with This Natural Process?
15:00-15:15	B523	Wei Zhang	Development Characteristics and Genetic Mechanism of Geological Disasters Associated with Natural Gas Hydrates in the Qiongdongnan Basin, Northern South China Sea
15:15-15:30	586	Ting Ni	Environment-Economic Benefit Analysis of Lid Practices Based on Swmm from A Local Level: A Case Study in Chengdu

15:30-15:50

Coffee Break



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

T04S02: Geoenvironmental Engineering and Ecological Solutions>Sustainable Remediation of Contaminated Sites

Time	Paper ID	Speaker	Paper Title
15:50-16:10	660	Liming Hu Invited	Field Test Study of Organics-Contaminated Groundwater In-Situ Remediation by Ozone Micro-Nano-Bubbles
16:10-16:30	B294	Hongxin Chen Invited	Engineering Properties of Mgo Self-Healing Cutoff Wall Backfill for Contamination Control
16:30-16:45	B406	Xi'an Wang	Erosion Process of Multiple Debris Flow Surges Caused by Check Dam Removal: An Experimental Study
16:45-17:00	151	Duoji Zerenduoji	Evaluation of A Landfill Composite Liner System Using Different Contaminants
17:00-17:15	B473	Jinshui Wang	Investigation and Analysis of Upstream and Downstream Erosion and Sedimentation Characteristics of Check Dams in Small Watershed
17:15-17:30	B21	Lin Wang	Experimental Investigation of Applying EICP Process to Lead Remediation Under Effect of Urease Concentration and Calcium Source
17:30-17:45	B846	Kunpeng Li	Laboratory Visualization of Hydraulic Fracturing in Compacted Bentonite
17:45-18:00	B187	Dantong Lin	Two-Dimensional Modeling of Nano Zero-Valent Iron Transport and Retention Before and After Phosphate Adsorption

Hall: Crystal Hall 6 Date: Sept. 24

T02S05: Climate Change and Sustainable Development>Impact of Climate and Environmental Change on Engineering

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B908	Jianbing Chen Invited	Stabilization Technologies for Roadbeds in Permafrost Regions and Engineering Practice
08:40-09:00	B547	Hao Zheng Invited	Study on the Numerical Evaluation Model for Permafrost Considering Environmental Disturbance
09:00-09:15	531	Ana Paula Fernandes da Silva	Green-Engineering: Reuse of Concrete from Bored Pile Head Trimming
09:15-09:30	185	Stephen Wilkinson	A Critical Assessment of Microbially and Enzymatically Induced Carbonate Precipitation for Geotechnical Works
09:30-09:45	21	Na Xu	Effect of Oxygen Supply on Behavior of Microbially Induced Carbonate Precipitation (MICP) Cemented Soil
09:45-10:00	B873	Jinyuan Wang	Study on the Mechanical Properties and Hypoplastic Constitutive Model of Frozen Loess
10:00-10:15	B183	Huarui Zhang	Research on Intelligent Identification and Degradation Risk Evaluation of Thaw Slumping
10:15-10:30	B179	Jun Zhang	Ecological Geological Environment Monitoring and Impact Assessment in Qilian Mountains Based on Remote Sensing

10:30-10:45

Coffee Break

T06S06: Marine Engineering Geology, Marine Geoenvironment and Disasters -3rd International Symposium on Marine Engineering Geology (ISMEG 2023)>Marine Carbon Dioxide Geological Storage and Shallow Gas Emission: Monitoring,Risk Evaluation and Mechanism

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B717	Xia Zhang Invited	Characteristics and Formation Mechanism of the Shallow Biogenic Gas Reservoirs in the Jiangsu-Zhejiang Coastal Plain, Eastern China
11:05-11:25	B321	Weiguo Hou Invited	Influence of Sedimentary Environment Evolution on Biogenic Methane Isotopes from Hangzhou Bay
11:25-11:40	622	Xiaoyong Duan	Effects of Source and Distribution of Organic Matter on Methane in Offshore Sediments of Zhoushan Islands
11:40-11:55	B468	Yuan Lin	Distinct Rheological Behavior of Clay Sediment Containing Gas Bubbles at Different Initial Pore Water Pressures
11:55-12:10	B441	Cong Hu	In Situ Observation of the Correlation Between Hydrodynamics and Marine Shallow Gas Emission



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

T06S06: Marine Engineering Geology, Marine Geoenvironment and Disasters -3rd International Symposium on Marine Engineering Geology (ISMEG 2023)>Marine Carbon Dioxide Geological Storage and Shallow Gas Emission: Monitoring,Risk Evaluation and Mechanism

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B373	Thian Lai Goh Invited	CO ₂ Sequestration Monitoring : Avo Modelling for Application of Seismic Monitoring in Measurement, Monitoring and Verification (MMV) Project
13:40-14:00	B361	Jianghui Li Invited	Acoustical and Chemical Strategies for Environmental Monitoring of Marine Carbon Storage
14:00-14:15	B389	Han Ge	Design of Multi-Sensor Integrated System for Long-Term Monitoring of CO ₂ Sequestration Reservoir in Seabed
14:15-14:30	B698	Zhihan Fan	Characteristics and Monitoring Plan in the Atmosphere of CO ₂ Leakage from CCS Projects
14:30-14:45	B692	Yufa He	Research on Acoustic Wave Wireless Transmission Technology for Monitoring Parameters of Marine Carbon Storage
14:45-15:00	B459	Lanlan Jiang	Strain Response Characteristics of Sandstone Induced by Pore Fluid Migration Using Distributed Fiber Optic Strain Sensing
15:00-15:15	B606	Chaoqi Zhu	Discovery of the Gas Plume in the Pearl River Mouth Basin of South China Sea and Its Implications: Pb Seep
15:15-15:30	B632	Xueqing Zhou	Evaluation of the CO ₂ Hydrate Storage Potential in the Qiongdongnan Basin

15:30-15:50

Coffee Break

T06S02: Marine Engineering Geology, Marine Geoenvironment and Disasters -3rd International Symposium on Marine Engineering Geology (ISMEG 2023)>Recent Development on Submarine Landslide and Its Hazard Chains

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B315	Tingkai Nian Invited	Fluid-Solid Coupling Simulation of Submarine Landslide Movement Process and Its Impact on Deepwater Pipelines
16:10-16:30	B484	Youkou Dong Invited	Application of A Parallelised the Material Point Method Code on Simulation of Submarine Landslide
16:30-16:45	B191	Wei Li	Quantitative and Geomorphologic Parameterization of Megaclasts within Mass-Transport Complexes, Offshore Taranaki Basin, New Zealand
16:45-17:00	B229	Xuesheng Qian	New Insights Into Quantifying the Stable Impact Forces of a Submarine Debris Flow on a Pipeline
17:00-17:15	B440	Xingsen Guo	Enhancing Susceptibility Assessment for Wave-Induced Liquefaction: Case Study in the Chengdao Area
17:15-17:30	B323	Zhipeng Zhu	Catastrophic Submarine Landslides with Non-Shallow Shear Band Propagation
17:30-17:45	B599	Weichao Liu	Experimental Investigation on the Shear Strength Variation of Submarine Mass Wasting During Motion
17:45-18:00	B95	Ning Fan	Extreme Load Effect of Submarine Pipelines Encountered Landslide Hazards

Hall: Wuhou Hall

Date: Sept. 24

T05S04: Active Tectonics, Geomorphology and Geological Hazards>Tectonics, Surface Processes, and Geohazards

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B765	Yueren Xu Invited	High-spatial-resolution Satellite/Aerial Images to Mapping the Distribution of Soil Liquefaction Triggered by Several Recent Strong Earthquakes and Its Failure Characteristics
08:40-08:55	B1	Cong Li	Study on Fracture Propagation of Syndepositional Ground Fissures Under Rapid Activity
08:55-09:10	B683	Jinglei Yang	Seismological Analysis of the Hydrodynamics of Mountain Rivers
09:10-09:25	B534	Gulian Xing	Applicability Analysis of Sentinel-1a Sbas-InsAR Based on GnsS Data in Landslide Deformation Monitoring within Mountainous Regions Influenced by Strong Earthquakes in Sichuan, China
09:25-09:40	B139	Zhandong Su	Study of Rupture Characteristics and Fracture Activity in the Strike-Slip Fracture Model



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

09:40-09:55	B807	Sanshao Ren	A New Type of Sliding Zone Soil and Its Severe Effect on the Formation of Giant Landslides in the Jinsha River Tectonic Suture Zone, China
09:55-10:10	23	Shenghua Cui	Earthquake-Induced Landslide Erosion Coupled to Tectonics and River incision, and Effects of Ground Motion on Coupled Patterns
10:10-10:25	B839	Majid Khan	A Holistic Geophysical Approach for Predicting Induced-Seismic Deformation and Disasters in SIETCS Mines

10:25-10:45

Coffee Break

T05S04: Active Tectonics, Geomorphology and Geological Hazards>Tectonics, Surface Processes, and Geohazards

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B748	Basanta Raj Adhikari Invited	Understanding of Cascading Hazards for Sustainable Risk Reduction in the Nepal Himalaya
11:05-11:20	570	Wenhui Li	Shaking Table Tests for Seismic Responses and Shattering Failure Mechanisms of Bedding Rock Slopes with Bench Landforms
11:20-11:35	B272	Yanlian Zhou	Transient Response After River Damming in Min and Dadu Rivers
11:35-11:50	B410	Hao Ma	Deep-seated toppling Deformations of Rock Slopes in Western China: Characteristics, Conditioning Factors, and Evolution

T12S01: Young Engineering Geologist Afternoon>Mitigating Climate-Induced Geohazards in Vulnerable Hotspots

Time	Paper ID	Speaker	Paper Title
13:20-13:40	624	Tümay Kadakci Koca Invited	Geotechnical Properties of Burned Soils: A Case Study of A Pine-Forest Fire in Southwestern Türkiye
13:40-14:00	B402	Alejandro Celli Invited	Tsunamis and Climate Change: Orcadas Argentinian Base, Laurie Island, South Orkney, Antarctica
14:00-14:15	B917	Zongxing Zou	Effect of Deep Drainage on Controlling Reservoir Landslides
14:15-14:30	179	Zilin Xiang	Towards Synergistic AI-Driven Ensemble Framework for Automatic Post-Earthquake Landslide Recognition & Susceptibility Assessment
14:30-14:45	649	Xiuzi Jiang	Study on the Strength Characteristics of Granite Residual Soil Under Acidic Wetting-Drying Cycles
14:45-15:00	B358	Tao Li	Hazard Assessment of Landslides Induced by Extreme Rainfall: A Case Study in Luhe County, Guangdong Province, China
15:00-15:15	B376	Jingjing Sun	Origin Tracing of New Landslide Inventory Triggered by the 2017 Jiuzhaigou Earthquake
15:15-15:30	B397	Qinxia Wang	The Operation Practice of Wechat official Accounts for Emergency and Disaster Reduction Science
15:30-15:45	B465	Shuaxing Yan	On the Composite Energy-Dissipating Device of Bridge Pier Against Rockfall: Experiments, Mechanism and Theory

15:45-15:50

Coffee Break

T12S01: Young Engineering Geologist Afternoon>Mitigating Climate-Induced Geohazards in Vulnerable Hotspots

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B34	Jie Dou Invited	Advancing Reservoir Landslide Stability Assessment via Multi-Sar and Airborne Lidar Observations in the Daping Landslide Group, Three Gorges Reservoir Area, China
16:10-16:30	B362	Chenchen Xie Invited	Analysis of the Development Regularity of Rainfall-Induced Landslides in Jiexi County, Guangdong
16:30-16:45	B407	Zhaoning Chen	Scenario-Based Local Tsunami Hazard Assessment for Xiamen City, Fujian Province, China
16:45-17:00	B514	Juan Du	Regional Early Warning Model for Rainfall Induced Landslide Based on Slope Unit in Chongqing, China
17:00-17:15	B607	Junxue Ma	Reconstruction of Catastrophic Outburst Floods of Landslide-Dammed Lakes: A Case Study in the Upper Minjiang River, Eastern Tibetan Plateau



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

17:15-17:30	B736	Wenping Gong	Rainfall-Induced Landslide Mapping Using a Semantic Segmentation Model Combined with CNN and Transformer
17:30-17:45	B918	Yang Ye	The Preliminary Study of Contact Mechanical Behavior of Rock Blocks
17:45-18:00	B636	Fushuo Gan	Global inertial Permeability of Fractured Rocks: Establishing Determination Criteria and Exploring Its Application Implications

Hall: Gaoxin Hall

Date: Sept. 24

T10S06: Applied Geology for Major Engineering Projects>Physical Modeling for Geological and Geotechnical Engineering

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B605	Siau Chen Chian Invited	Centrifuge Modelling of Uplift Mechanism of Underground Structures Subject to Earthquake Induced Soil Liquefaction
08:40-09:00	B883	Honglei Sun Invited	A Novel Approach for Determining the Critical Water Content of Slurry-Soil State Based on S-wave Response
09:00-09:15	B835	Yanguo Zhou	Patterns of Construction-Induced Vibration and Pore Pressure Response to Vibro Replacement Stone Columns in Soft Deposit
09:15-09:30	B886	Duanyang Zhuang	Hypergravity Physical Modeling of Multi-Scale Evolution of the Geological Body in Tectonically Active Areas
09:30-09:45	204	Asli Can	Comparison of Plaxis-2D and 3D Models of Improved Ground with Deep Mixing Columns
09:45-10:00	543	Siyu Chen	Centrifuge Modeling of Plant Root Reinforcement on Slopes Under Drawdown Conditions
10:00-10:15	496	Chao Ban	Experimental Study on the Shear Strength Characteristics of Cement Soil-Concrete Interface Under Varying Scale Tests
10:15-10:30	572	Chongxi Zhao	Centrifuge Model Studies on the Load-bearing Characteristics of Geosynthetic-Reinforced Soil Abutment

10:30-10:45

Coffee Break

T10S06: Applied Geology for Major Engineering Projects>Physical Modeling for Geological and Geotechnical Engineering

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B776	Akira Ishikawa Invited	Recent Physical Modeling Approach in the Dynamic Geotechnical Field in Shimizu Corporation Japan
11:05-11:25	465	Jie Zhou Invited	Dynamic Response and Deformation Behavior of Soft Clay Under High-Speed Railway Loads
11:25-11:40	B172	Kanchan Chaulagai	Detailed Evaluation of Barton's Q System in the Lesser and Higher Himalaya Nepal
11:40-11:55	B910	Boyang Xia	Influence of Column Types on the Failure Mode and Stability of Columns-Supported Embankments on Soft Ground
11:55-12:10	640	Yuyang Huang	Comparative Analysis of In-Situ Stress Field Inversion Results of Two-Dimensional and Three-Dimensional Models of Tunnels in the Feasibility Stage

T10S05: Applied Geology for Major Engineering Projects>Engineered Slope Stability and Control

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B864	Ning Li Invited	Key Techniques for the Analysis and Evaluation of High Rock Slopes
13:40-14:00	459	Yanjun Shang Invited	Application of Integrated Survey Methods for Site Suitability of Research Infrastructures (RIS) in China
14:00-14:15	B870	Shibin Tang	Slope Stability Modelling Based on the Combined Finite Element and DDA Method
14:15-14:30	396	Qiyi Lai	Comparisons of Four Machine Learning Algorithms for Stability Evaluations of Highway Rock Slopes
14:30-14:45	102	Zeyao Li	The Effects of Freeze-Thaw on Particle Characteristics of Saturated Silty Sand



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

14:45-15:00	681	Weihua Zhao	Study on the Evolution Process of toppling Rockfall and their Monitoring and Warning Index
15:00-15:15	166	Qiangqiang Huang	Influence of Reinforcement Connection form on the Seismic Performance of Narrow Mechanically Stabilized Earth Walls
15:15-15:30	261	Shouren Jin	The Interaction Between Pipeline and Landslide Under Surface Surcharge
15:30-15:50		Coffee Break	

T10S08: Applied Geology for Major Engineering Projects>Hazard Prevention and Control of Groundwater System

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B911	Guangqi Chen Invited	Innovative Approaches in Tunnel Stability Analysis: Integration of Finite Difference Method, Grouting Analysis, and SPH-DDA Coupling
16:10-16:30	593	Wei Zhang Invited	Key Technologies and Engineering Practice of Loess High Filling Engineering
16:30-16:45	B912	Liping Li	Simulation of Seepage Catastrophe in Rock Mass and Groundwater System: Theory, Method and Software
16:45-17:00	B913	Nuwen Xu	Microseismic Monitoring and Safety Control of Rock Mass Hazardous in Deep Excavation
17:00-17:15	B914	Liyuan Yu	Estimation of the Representative Elementary Volume of Three-Dimensional Fracture Networks Based on Permeability and Trace Map Analysis
17:15-17:30	B915	Zhenhao Xu	Numerical Simulation of Complex Grouting Process for Water and Mud Inrush Prevention in Tunnelling
17:30-17:45	B916	Qiong Wu	Dynamic Stability of Soft and Hard Interbedded Bedding Rock Slopes Considering the Deterioration Effect of Reservoir Water Fluctuation
17:45-18:00	B152	Zhongyuan Xu	The Impact of Formation Heterogeneity on Water Discharge and Groundwater Depletion of an Excavated Tunnel
18:00-18:15	B363	Chenxi Zhao	Modelling Groundwater Drainage and Ground Subsidence Induced by the Gotthard Base Tunnel Excavation in the Swiss Alps

Hall: Jinjiang Hall Date: Sept. 24

T10S07: Applied Geology for Major Engineering Projects>Prevention and Mitigation of Geohazards in Reservoir Area

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B868	Zhenwei Dai Invited	New Problem and Challenge of the Geological Safety of the Three Gorges Project Threatened by the Deterioration of the Hydro-fluctuation Belt Rock Mass
08:40-09:00	B885	Ke Ma Invited	Damage Monitoring and Stability Analysis of High-Arch Dam Engineering
09:00-09:20	B869	Qinwen Tan Invited	In-Situ Mechanical Behavior of Slip Zone Soil and Landslide Deformation Mechanism: Case Study of a Massive Colluvial Landslide in the Three Gorges Reservoir Area
09:20-09:35	120	Moritz Yueshu Lesche	Mechanisms of Reservoir Impoundment-Induced Large Deformation of the Guobu Slope at the Laxiwa Hydropower Station, China: Preliminary Insights from Remote Sensing and Numerical Modelling
09:35-09:50	164	Yaoru Liu	Mechanisms of Reservoir Impoundment-Induced Large Deformation of the Guobu Slope at the Laxiwa Hydropower Station, China: Preliminary Insights from Field Monitoring and Experimental Testing
09:50-10:05	463	Martin Dostalík	Examples of Infrastructure Objects Failure and Hazard in Terms to the Engineering Geological Model Importance – Kazbegi Municipality, Georgia
10:05-10:20	648	Fuling Zhang	Characteristics of the Spatial Distribution of Large Active Landslides in a Potential Cascade Reservoir Area Along the Upper Jinsha River
10:20-10:35	B162	Chunmei Zhou	Study on the Evolution Law of Arching Effect in Deposited Layer Landslide Under Reservoir Water Level
10:35-10:45		Coffee Break	

T01S03: Engineering Geomechanics of Rock and Soil Masses> Engineering Geology and Environment of Redbeds

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B222	Cuiying Zhou Invited	Review on the Identification and Significance of Red Beds
11:05-11:25	B814	Quentin Zhongqi Yue Invited	Refined Soil Classification and Naming System



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

11:25-11:40	B826	Yiguo Xue	Mechanism and Prevention of Water Inrush in Subsea Tunnels Crossing Unfavorable Geology
11:40-11:55	B818	Jiang Li	Study and Discussion on the Mechanism of Gentle Rock Landslides in Red Bed Area of Sichuan Basin
11:55-12:10	B822	Feiyong Wang	Characteristics and Causes of the World's Longest Ground Fissure

T12S03: Young Engineering Geologist Afternoon>Creep Characteristics of Rock and Soil Mass and Its Disaster-Induced Mechanism: Testing, Monitoring, Early Warning, and Prevention

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B227	Xuan Kang Invited	Residual State Rate Effects of Shear-Zone Soil Regulating Slow-to-Fast Transition of Catastrophic Landslides
13:40-14:00	B318	Weile Li Invited	Preliminary Analysis of the Catastrophic February 22nd 2023 Xinjing Open-pit Mine Landslide, Inner Mongolia, China
14:00-14:15	B107	Adebayo Olaniyi Afolabi	Geotechnical Evaluation of Gully Erosion within Langtang Dam North Central of Nigeria Africa
14:15-14:30	B147	Daozheng Wang	Influence of Rheological Characteristics on the Fluidization Catastrophe of Tailings Flows
14:30-14:45	B310	Wei Li	A Semi-Empirical Model for Impact force of Irregular Rockfall on Granular Layer
14:45-15:00	B137	Li Luo	A Multi-Scale Study on the Deterioration Mechanism of Undisturbed Loess After Dry-Wet Cycles
15:00-15:15	B334	Liang Feng	Near-Real Time Seismic Monitoring Improves Natural Hazards Early Warning
15:15-15:30	B755	Hui Yang	Study on Collapsibility Mechanism of Malan Loess Based on Micro-Meso-Structure Analysis
15:30-15:50		Coffee Break	

T12S03: Young Engineering Geologist Afternoon>Creep Characteristics of Rock and Soil Mass and Its Disaster-Induced Mechanism: Testing, Monitoring, Early Warning, and Prevention

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B477	Shun Wang Invited	Recent Advances in the Investigation of A Slow-moving Landslide in the Three Gorges Reservoir Area, China
16:10-16:30	B311	Xingang Wang Invited	Study on the Unloading Creep Characteristics of Loess and the Mechanism of Typical Excavated Loess Landslide
16:30-16:45	41	Jianping Li	Spatial Variability Modelling of Structural Surface Mechanical Parameters for Reliability Assessment of Rock Slopes
16:45-17:00	B503	Wenmin Yao	Microstructural Evolution of Sandstone Affected by Cyclic Wetting-Drying Process
17:00-17:15	B631	Shen Cao	Identifying the Groundwater Sources of Huangtupo Landslide in the Three Gorges Reservoir Area of China
17:15-17:30	B713	Dongxu Yang	Characteristics of Erosion and Deposition of Glacier Debris Flow in Palong Zangbu Basin, Se Tibet, China
17:30-17:45	B138	Chen Xue	Research on the Formation Mechanism of Loess-Mudstone Landslides in the Weibei Tableland Fault Active Zone of Baoji, China - Taking Wolongsi Landslide As An Example
17:45-18:00	B508	Yuzhang Bi	Research on the Blocking Effect of Baffle Structure on Rock Avalanches

Hall: Crystal Hall 1 Date: Sept. 25

T08S02: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Recent Development of Numerical Models for Simulating Geohazard Processes and Chains of Geological Hazards

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B602	Weidong Wang Invited	Stereo Vision-Based Surface Displacement Monitoring Method for Slopes
08:40-09:00	B313	Tingkai Nian Invited	Coupled DEM-CFD Method for the Disaster Chain Simulation of Landslide-River Blockage-Impulse Wave and Its Application



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

09:00-09:15	B246	Hao Wu	Analysis of Landslide-Induced Wave at the Wangjiashan Slope, Baihetan Reservoir, China, by A Novel Hybrid MPM+SPH Method
09:15-09:30	B635	Mengfen Shen	A Region-Based Liquefaction Probabilistic Model: A Case Study Based on Shear Wave Velocity Test
09:30-09:45	B714	Yanbo Zhu	Tsunami Squares Modeling of the Kinetic Characteristics of the Shanyang 8.12 Catastrophic Landslide in China
09:45-10:00	674	Mingzhou Bai	Research on Radar forward Modeling for Detecting Urban Road Subgrade Disease Based on Radar
10:00-10:15	B880	Wei Shen	Three-Dimensional Mpm Modeling of Rapid Flow-like Landslides on Curved Bed: A Case Study of the Dagou Landslide in Gansu Province, China
10:15-10:30	379	Yuhao Ren	Numerical Investigation of Influence of Low Ice Friction on Mobility of Rock-Ice Avalanches

10:30-10:45

Coffee Break

T08S04: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Debris Flows: Mechanics, Monitoring, Experiments, Assessment, Prevention, and Risk Management

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B244	Dongri Song Invited	Impact Behavior of Dense Debris Flows and Relevant Time Scales in the Impact Process
11:05-11:25	B444	Kun-Ting Chen Invited	Quantitative Evaluation of Post-debris Flow River Dredging Projects: A Case Study of Fushan Creek in Taitung County, Taiwan
11:25-11:40	B804	Rajaneesh A.	Debris Flow Path Prediction for Developing Risk Map
11:40-11:55	B299	Fucheng Lu	A Slam-Based High-resolution Full-Character Debris Flow Channel Morphological Mapping System
11:55-12:10	B51	Abd Rasid Jaapar	Large-Scale Multiple Debris Flows in Malaysia 2021-22: Data Collation, Simulation and Post-Disaster Initiatives

T08S04: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Debris Flows: Mechanics, Monitoring, Experiments, Assessment, Prevention, and Risk Management

Time	Paper ID	Speaker	Paper Title
13:20-13:40	687	Mingtao Ding Invited	Experimental Research on the Initiation of High Potential Energy Debris Flow- Case Study of the Chutou Gully, China
13:40-14:00	B297	Ming Chang Invited	Rapidly Identifying the Activity and Evolution Trend of Debris Flows After the 2022 Mw 6.8 Luding Earthquake, Western China
14:00-14:15	B615	Kaiyang Wang	The Discussion on the Key Issues of Corrosion and Expansion Damage Resistance in Tunnels and Bridges of Saline Strata in the Geological Hazard Risk Assessment of Major Engineering Projects on the Expressways in Yunnan Mountainous Areas
14:15-14:30	580	Hao Li	Causes and Damage of the 2020 Periglacial Debris Flows at Zelunglung in the Eastern Syntaxis of Himalaya
14:30-14:45	B707	Feng Li	Multi-Scale Fiber Optic Sensing Method for Deep Deformation of High Slopes Along Railways
14:45-15:00	B515	Huicong An	Refined Forecast Research of Debris Flow in Small Catchment
15:00-15:15	B716	Chenxi Xie	Applying Modified DDA to Analyze Landslide Behavior Considering Joint Shear Strength Degradation

15:15-15:50

Coffee Break

T08S07: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Integrating Hydrologic Information into the Next Generation of Landslide Early Warning Systems

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B509	Roberto Greco Invited	Hydrometeorological Approach to Rainfall-Induced Landslide Hazard Assessment
16:10-16:30	B573	Jiang Wu	A Method for Classifying Reservoir Bank Units Based on Landslide Hydraulics Initiation Mechanism
16:30-16:45	B506	Daniel Camilo	Hydrological Control of Shallow Landslide Triggering Mechanism in Pyroclastic Slopes of Campania (Italy)
16:45-17:00	B507	Pasquale Marino	Rainfall-Induced Shallow Landslides Forecasting Using 3D Hydrometeorological Thresholds



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

17:00-17:15	B163	Jianqi Zhuang	A Novel Prediction Method for Shallow Landslides in Loess Areas: A Case Study of the 2013 "7.25" Tianshui Sliding-Flow Landslide in Gansu Province, China
17:15-17:30	539	Minzhe Sun	Numerical Analysis of Water and Gas Migration Within a Landfill Biocover Using a Two-Phase Flow Model
17:30-17:50	B747	Thom Bogaard Invited	Reflections on Remotely Sensed Hydrometeorological Monitoring and Analyses of Deep-Seated, Reactivating Landslides

Hall: Crystal Hall 2 Date: Sept. 25

T01S05: Engineering Geomechanics of Rock and Soil Masses> Interface Engineering Geomechanics

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B740	Honghu Zhu Invited	Development of Multivariable Monitoring Technologies of Geo-Interface
08:40-08:55	B760	Siqi Zhang	Preliminary Study on the Structure of Clay-Water Interface Based on Molecular Dynamics
08:55-09:10	B825	Chengjun Liu	Macroscopic Behaviour and Mesoscopic Mechanism of Shear Strength Characteristics of Pile-Soil Interface Under Cyclic Loading in Offshore Wind Farm
09:10-09:25	537	Yuan Qi	Comparative Analysis of Numerical Simulation Methods for Active Earth Pressure on Rigid Retaining Walls
09:25-09:40	B108	Huan Zhang	Sandstone-Concrete Interface Transition Zone (ITZ) Damage and Debonding Micro-Mechanisms Under Freeze-Thaw
09:40-09:55	B8	Jiujiang Wu	Recent Progress in the Research of Lattice-Shaped Diaphragm Wall
09:55-10:10	B56	Jianxing Chen	Effect of Confining Pressure and Dynamic Stress Wave Orientation on Failure Mechanism of Rock-Shotcrete Interface
10:10-10:25	B702	Mingliang Zhou	Simulating Seepage Damage of Water-Rich Fault Zones in Tunnel Face Using Double Point Material Point Methods

10:25-10:45

Coffee Break

T01S05: Engineering Geomechanics of Rock and Soil Masses> Interface Engineering Geomechanics

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B576	Chi Liu Invited	Dynamic Model for Water-Rock Interface of Softening of Red-Bed Soft Rock and Its Evolution Law
11:05-11:20	B853	Yiran Zhang	Thermo-Hydro-Mechanical Shear Strength of Healing Interfaces Between Compacted the Combination of Bentonite
11:20-11:35	B592	Chao Wang	Stress Wave Transmission and Failure Characteristics of Different Weak Interlayers
11:35-11:50	B852	Zeyao Li	Hydration Swelling Characteristics of Montmorillonite Quasicrystals
11:50-12:05	B478	Genlan Yang	Study on Weathering Characteristics of Chishui Red Sandstone

T01S06: Engineering Geomechanics of Rock and Soil Masses> Behavior and Treatment of Special Soil and Soft Rock

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B847	Yonggui Chen Invited	Modeling of Water Retention Behavior of Densely Compacted Gaomiaozi Bentonite Based on Pore Structure Evolution
13:40-14:00	48	Filipe Jeremias Invited	Durability Assessment of UK and Portuguese Jurassic Mudrocks
14:00-14:15	616	Zhenhao Fan	Quality Control and Testing Method of Soil-Rock Mixture Subgrade
14:15-14:30	B331	Ruyi Hou	Analytical Models and Solutions for Dynamic Response of the Embankment System Under Traffic Load



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

14:30-14:45	B413	Qinghua Wang	Mechanical Property Damage of Dry-Wet Cyclic Strain of Loess in South Tableland of Jingyang Disadvantage Research
14:45-15:00	B123	Xu Ji	Mechanical Behavior of Iron Ore Tailings Under Monotonic Loading Conditions
15:00-15:15	B436	Hanjiang Chen	Study of Engineering Properties of Cement-Stabilized Loess Contaminated with Heavy Metals
15:15-15:30	27	Ye Bin	Evolution Process of Sand Mesostructure in Liquefaction Using Centrifuge Shaking Table Tests

15:30-15:50

Coffee Break

T01S06: Engineering Geomechanics of Rock and Soil Masses > Behavior and Treatment of Special Soil and Soft Rock

Time	Paper ID	Speaker	Paper Title
15:50-16:10	364	Mo Xu Invited	Karst-Sandification Characteristics and Geotechnical Properties of Triassic Dolomite in Yuxi, China
16:10-16:30	619	Jianlei Zhang Invited	Numerical Study on the Liquefaction Resistance of Rectangular Closed Diaphragm Walls in Gently Sloping Liquefiable Deposits
16:30-16:45	582	Zhiwei Xie	Experimental Study on Static and Dynamic Characteristics of Tunnel Slag As Road-Base Material
16:45-17:00	B598	Ye Chen	Experimental Study on the Mechanism of Localized Fluidization in Giant Loess Landslide Through Pore-Water Pressure Controlled Ring Shear Tests
17:00-17:15	B848	Yucheng Li	Probing the Intrinsic Nanoscale Mechanical Properties of Montmorillonite Tactoids
17:15-17:30	632	Futian Zhao	Dynamic Mechanical Properties of Unsaturated Red Clay Subjected to Impact Loading
17:30-17:45	B274	Shixiong Li	Study on the Influence of Stress Path on Mechanical Properties of Saturated Soft
17:45-18:00	617	Xu Ji	Influence of Grading on the Undrained Flow Instability of Saturated Loess Soil

Hall: Crystal Hall 3

Date: Sept. 25

T07S02: Deep Earth Resource and Energy Exploitation > Engineering Geology for Deep Mining and Energy Storage

Time	Paper ID	Speaker	Paper Title
08:20-08:40	149	Wanghua Sui Invited	On the Active and Passive Engineering Prevention and Control Methods for Groundwater Inrush in Coal Mines
08:40-08:55	73	Wenbo Pan	Earthquake-Induced Shear Failure in 3D Fracture Systems with An Application for Long-Term Safety Assessment of Nuclear Waste Repositories
08:55-09:10	626	Chang Zhou	Mechanics Damage Characteristics of Resin Anchored Bolts with Different Materials Under High Temperature
09:10-09:25	233	Dingyang Zhang	Coupled Thermal-Hydro-Mechanical Effect on Cement Slurry Grouting Propagation in a Single Fracture with Flowing Water
09:25-09:40	176	Shichong Yuan	Using Grout Curtain to Cut-Off Regional Groudwater in Maoping Lead-Zinc Mine, SW China
09:40-09:55	B207	Liang He	Effect of Hydration on Pore Structure and Physical Properties of Permian Basalt and Tuff in Sichuan Basin During Pressurized Imbibition
09:55-10:10	B884	Zhenhua Li	Key Technology of High Efficient Mining and Water Resource Transfer-Storage-Utilization in Karst Area of Western Guizhou
10:10-10:25	167	Weifeng Yang	Research on Dynamic Identification Technology of Roof Water Inrush Hazard Sources and Risk Evaluation During Coal Seam Mining

10:25-10:45

Coffee Break



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

T07S02: Deep Earth Resource and Energy Exploitation > Engineering Geology for Deep Mining and Energy Storage

Time	Paper ID	Speaker	Paper Title
10:45-11:05	553	Xiangming Jiang Invited	Mechanism of Water Inrush in Deep Coal Mining Based on Dark Structure
11:05-11:20	B196	Dandan Wang	Dynamic Risk Assessment of Floor Water Inrush Based on the Improved Dynamic Variable Weight and Unascertained Measure Theory Model
11:20-11:35	B233	Yankun Liang	Experimental Study on the Diffusion Law of Silica-Sol Grouting in Pore-Fracture Dual Media
11:35-11:50	B316	Wei Yao	A Numerical Study on the Dynamic Mechanical Response and Permeability Evolution of Deep Rocks Under Fluid-Solid Coupling Loads
11:50-12:05	285	Lin Huang	Elastoplastic Closure Characteristics of Dislocated Sandstone Fracture Subjected to Normal Loads

T07S03: Deep Earth Resource and Energy Exploitation > Exploration and Exploitation of Medium-deep Geothermal Resources

Time	Paper ID	Speaker	Paper Title
13:20-13:40	342	Kuroschi Thuro Invited	Geomechanical Investigations in the North Alpine foreland Basin, SE Germany
13:40-13:55	B435	Lei Wang	Modeling of Depleted Shale Gas Reservoir for Hydrogen Storage Considering Dissolution and Diffusion
13:55-14:10	B385	Ling Wang	The Performance of Aquifer Thermal Energy Storage System in Fractured Aquifers
14:10-14:25	253	Kai Gu	Thermophysics of Deep Rock Revealed by Actively Heated Fiber Optics Based Thermal Response Test
14:25-14:40	630	Fengqiang Gong	Weakening Laws of Rock Mass Parameters in the Excavation Damage Zone of Deep Rock Tunnels
14:40-14:55	B355	Shaosheng Wang	Thermal Reservoir Characteristics and Deep Geothermal Resource Evaluation in the Gaoqing-Huagou Area of Jiyang Depression Based on 3D Geological Modeling
14:55-15:10	B590	Jie Liu	How Late Mesozoic Trans-Crustal Magma Affected and Changed the Lithospheric Rheology and Thermal Structure of the North China Craton
15:10-15:25	B693	Xiao Yan	The Development of Unified Pipe-Interface Element Method and Its Application on Hydraulic Fracturing

15:25-15:50

Coffee Break

T01S08: Engineering Geomechanics of Rock and Soil Masses > Unsaturated Soil Mechanics

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B919	Ling Xu Invited	Development of A New In-Situ Interface Shear Box Test Apparatus and Its Applications
16:10-16:25	B169	Daoju Ren	A Modified Predictive Model for Resilient Modulus of Unsaturated Subgrade Soil with Consideration of Hysteresis
16:25-16:40	B671	Pengju Qin	Development and Application of Tdr Probes for Monitoring Moisture of Unsaturated Clay
16:40-16:55	B493	Lina Ma	Investigation on the Deformation and Failure Patterns of Loess Cut Slope Based on the Unsaturated Triaxial Test in Yan'an, China
16:55-17:10	234	Zhangrong Liu	Characterization and Simulation of Swelling Pressure Kinetics for Compacted Bentonite Hydrated by Alkaline Solutions
17:10-17:25	B650	Xinsheng Wei	Exploring the Volume Dependent-Water Retention and Hydro-Mechanical Coupling for Undisturbed Silty Clay: An Experimental and Modelling Research
17:25-17:40	B281	Liang Sun	Influence of Biochar on the Soil-Water Retention Curve of Compacted Loess
17:40-17:55	B372	Mengmeng Zhang	The Strength of Unsaturated Loess Based on Conventional Slow Shear Tests



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

Hall: Crystal Hall 4 Date: Sept. 25

T08S03: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Debris Flow Dynamic Process and Its Effects on Landform

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B622	Shiva P. Pudasaini Invited	A Dynamic Earthflow Model
08:40-09:00	B238	Gordon G.D. Zhou Invited	Modelling the Vertical Size Sorting in Debris Flows
09:00-09:15	B223	Kong Yong	Quantifying Mechanisms in Geophysical Flow Mitigations Through High-Fidelity Multiphase Multiway Simulations
09:15-09:30	B197	Zaohui Zhang	Shear Viscosity Scaling of Granular Suspensions Across Dilute to Dense Regimes
09:30-09:45	B235	Xueqiang Lu	Non-Uniform Breach Evolution of Landslide Dams During Overtopping Failure
09:45-10:00	B234	Shuai Li	3D Modeling of Baige Landslide Propagation Using Smoothed Particle Hydrodynamics (SPH)
10:00-10:15	B611	Parameshwari Kattel	Analytical Models for Coefficient of Impact Pressure and Mobilization Length, and their Validation
10:15-10:30	B375	Shaofeng Chai	Slipping Characteristics and Sliding Mechanism of Loess Liquefaction Triggered Landslides of Shibeiuyan: Insights from Shaking Table Test
10:30-10:45		Coffee Break	

T01S01: Engineering Geomechanics of Rock and Soil Masses>Ground Property Characterization from In-Situ Tests

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B920	Songyu Liu Invited	CPT/CPTU-Based Design and Practice in Geotechnical Engineering in China
11:05-11:20	B80	Anish Khanal	A Study of Soil Characteristics Using Ambient Vibration Measurement at Hetauda, Bagmati Province, Central Nepal
11:20-11:35	246	Lu Zhang	New Applications of Field Permeability Tests in Single Observation Well Or Borehole
11:35-11:50	B518	Fangcui Liu	In-Situ Horizontal Extrusion Shear Test of Herbaceous Root-Soil with Different Root Types
11:50-12:05	362	Jialun Niu	Visualized Experimental Study on the Initiation and Propagation of Hydraulic Crack in Granite Under True Triaxial Compression

T08S09: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Chains of Geohazards: Mechanism, Modelling and Prediction

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B559	Chris Massey Invited	Earthquake-Induced Landscape Dynamics: the 14 November 2016 Mw 7.8 Kaikōura Earthquake, New Zealand
13:40-14:00	B113	Ranjan Kumar Dahal Invited	High-Altitude Geomorphology-Related Geodisasters in Nepal
14:00-14:15	B52	Kaushal Raj Gnyawali	Numerical Design Method for Deflection Berms to Mitigate Post-Wildfire Debris Flow Hazards in Small Watersheds
14:15-14:30	B700	Kongming Yan	Failure Mechanism and Runout Characteristics of Rock Landslides in Recent Case Studies
14:30-14:45	B367	Zhaoyue Yu	Characteristics and Mechanism of the October 5th 2021 Landslide-Debris Flow Disaster Chain at Hanping Village, Shaanxi Province, China
14:45-15:00	B173	Linlu Dong	Damage Evolution Characteristics and Failure Mechanism of Roof Arch Surrounding Rock Mass of Deep Underground Powerhouse Subjected to Excavation
15:00-15:15	566	Yunsheng Wang	Insights into A Large-Prone Area in the Eastern Margin of the Tibetan Plateau, China-A Case Study Along the Danba Reach of the Dadu River
15:15-15:30	B889	Ran Tang	Formation and Evolution Mechanism of Sub-Horizontal Translational Landslides in Red Beds of Sichuan Basin
15:30-15:50		Coffee Break	



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

T08S09: Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning>Chains of Geohazards: Mechanism, Modelling and Prediction

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B871	Tolga Gorum Invited	Landslides Triggered by the February 6, 2023, Turkey Earthquake Sequence
16:10-16:30	B174	Constantinos Loupasakis Invited	Contradictive Mining Geohazards at the Perimeter of Open Pit Coal Mines. the Case of the Amyntaio Coal Mine, Greece
16:30-16:45	B455	Haoyu Lin	Shaking Table Tests on the Dynamic Response of A Municipal Solid Waste Landfill with A Composite Liner System Under Earthquake
16:45-17:00	B43	James Bachat	On Detection of Active Ground Distress indicators Using Multispectral Sensors for Landslide Forecasting
17:00-17:15	B249	Zhiyan Zhao	Study on Saturated Hydraulic Conductivity and Its Variability Considering Deposition Time Effect
17:15-17:30	727	Jiazhan Ren	Critical Physical and Hydraulic Condition for Fine Grains Migration, Deposition and Self-Dredging in Seepage Erosion of Gravel Soil
17:30-17:45	559	Xubiao Deng	Engineering Geo-Mechanics System for Coal and Gas Outbursts
17:45-18:00	B159	Xiang Zhou	Evaluation and Comparative Analysis of Surrounding Rock Quality of Underground Powerhouse of Jinchuan Hydropower Station

Hall: Crystal Hall 5 Date: Sept. 25

T04S02: Geoenvironmental Engineering and Ecological Solutions>Sustainable Remediation of Contaminated Sites

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B921	Yanjun Du Invited	Exposure to Organic Acids Changes Hydraulic Performance of Soil-Bentonite Backfill in Cutoff Walls: How and Why?
08:40-09:00	B391	Zhengtao Shen Invited	Enhancing Long-Term Effectiveness of Heavy Metal Remediation Based on Accelerated Ageing Assessment
09:00-09:15	B394	Yuping Li	Experimental Study on the Thermal Remediation of total Petroleum Hydrocarbon Contaminated Soils
09:15-09:30	295	Irina Galitskaya	Study of Contaminated Soils as a Secondary Source of Groundwater Contamination at the Sites of MSW Landfills
09:30-09:45	B536	Zhanbo Cheng	Geotechnical Properties and Environmental Characteristics of Biopolymer-Treated Mixed Waste Material
09:45-10:00	B875	Xiaolu Tang	Contribution of Soil Microbial Necromass to Soil Organic Carbon After Vegetation Restoration in a Desertification Region in the Tibet Plateau
10:00-10:15	708	Yukun Geng	Experimental Study on the Relationship Between Unconfined Compressive Strength and Resistivity of Cured Diesel-Contaminated Soil
10:15-10:30	B780	Jining Zhang	Investigations Into the Rheology and Early-Age Properties of Gypsum-Based Materials With Different Sticky Rice Contents and Its Engineering Applications

10:30-10:45

Coffee Break

T04S02: Geoenvironmental Engineering and Ecological Solutions>Sustainable Remediation of Contaminated Sites

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B709	Fei Wang Invited	The Mechanism and Long Term Performance of Prb Treated Chlorinated Hydrocarbons Contaminated Underground Water
11:05-11:25	B276	Long Xu Invited	Air Sparging Remediation of VOCs Contaminated Low-Permeability Soil Based on Pressure Gradient Control
11:25-11:40	540	Minghui Xu	Performance of Soil Covers for Mitigation of Methane Emission from A Municipal Solid Waste Landfill
11:40-11:55	B22	Zhong-Fei Xue	Experimental Study on Lead Remediation Using a Biomineralisation Approach
11:55-12:10	B257	Xin Zhang	The Migration of Nuclides in the Coupled Vadose Zone-Groundwater System at a Proposed Spent Fuel Reprocessing Site



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

T04S05: Geoenvironmental Engineering and Ecological Solutions>Solid Waste Landfills and Relevant Environmental Geotechnics

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B25	Jiyang Fan Invited	Piping Through a Defective Geomembrane Liner in Tailings Storage Facilities
13:40-13:55	152	Wenxiangyu Hu	Modelling of Leachate Leakage and Contaminant Migration Through Municipal Solid Waste Landfill Liner Systems
13:55-14:10	B706	Yuping Li	Engineering Properties of Rural Solid Waste in China
14:10-14:25	B789	Chuanxiang Qu	Probabilistic Analysis and Field Monitoring of a Sustainable Landfill Cover Considering Stress-Dependent Water Retention
14:25-14:40	219	Jingyu Peng	The Pollution of Source, Pathway, and Downstream of the Pyritic Waste Rock Site—A Case Study
14:40-14:55	490	Yingyue Han	Distribution Characteristic of Contaminants in Subsurface Soil at Phosphogypsum Site, A Case Study in China
14:55-15:10	B470	Shuangke Fei	Field Tracer Tests for Leakage Channel Detection in a Large-Scale Landfill in Hangzhou, China
15:10-15:25	B566	Peifu Cai	Mechanism and Numerical Modeling of Leachate Collection System Clogging in Landfills in China

15:25-15:50

Coffee Break

T04S05: Geoenvironmental Engineering and Ecological Solutions>Solid Waste Landfills and Relevant Environmental Geotechnics

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B149	Pengcheng Ma Invited	A Constitutive Model for Municipal Solid Waste Incorporating Biodegradation and Its Application
16:10-16:30	B922	Miao Jing Invited	Development and Geotechnical Applications of An Open-Source Thermo-Hydro-Mechanical-Chemical Modelling Platform Opengosys (OGS)
16:30-16:45	348	Chenxu Su	Forensic Investigation and Analysis of the 27 March 2022 Tailings Dam Failure in Jiaokou County, Shanxi Province, China
16:45-17:00	B882	Cong Dai	Detecting the Spatiotemporal Evolution Characteristics of Yongping Copper Mine Using Remote Sensing Technology
17:00-17:15	B766	Yi Bian	Bio-Immobilization of Heavy Metals in Solid Waste Landfill Humus Soil Using Enzyme Induced Carbonate Precipitation Method
17:15-17:30	198	Yiling Zhou	Resilience Assessment of Municipal Solid Waste Landfills Based on Groundwater Pollution
17:30-17:45	612	Kai Liu	Life-Cycle Carbon Emissions from the Municipal Solid Waste (MSW) Landfill, A Case Study in China
17:45-18:00	222	Shuairong Wang	Quantitative Risk Assessment of Human to Landfill Considering Spatially Varying Soil

Hall: Crystal Hall 6 Date: Sept. 25

T06S03: Marine Engineering Geology, Marine Geo-environment and Disasters -3rd International Symposium on Marine Engineering Geology (ISMEG 2023)>Coastal Engineering Environment

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B64	Xinyi Kang Invited	Riverine Substance Transport Dynamics in the Bohai Sea
08:40-09:00	B613	Yuan Li Invited	Equilibrium Configurations of Sandy-muddy Transitional Beaches on South China Coasts
09:00-09:15	B65	Ruohan Sun	Modeling Study of the Nutrient and Phytoplankton Variability in the Bohai Sea, China
09:15-09:30	230	Denghui Ma	Investigation of Pore Characteristics in Coral Sand Particles



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

09:30-09:45	188	Fugang Gou	Statistics and Analysis of Compression Index of Marine Soft Soil in Lianyungang, China
09:45-10:00	307	Kanmin Shen	Assessment of the Engineering Properties for Mud Through CPT and VST in Hengqin Coast
10:00-10:15	726	Zhendi Yang	Numerical Study of Wave Induced Seabed Response with Sand Ripples
10:15-10:30	B426	Jianwei Niu	Sediment Stratification Affected by Wave-Induced Seabed Responses

10:30-10:45

Coffee Break

T06S03: Marine Engineering Geology, Marine Geo-environment and Disasters -3rd International Symposium on Marine Engineering Geology (ISMEG 2023)-Coastal Engineering Environment

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B689	Chenghao Wang Invited	Research on the Dynamic Mechanism of the Sediment Transport Around Shandong Peninsula
11:05-11:25	B351	Shaotong Zhang Invited	Optimization of Erosion Rates and Settling Velocities from Measured Suspended Sediment Concentration Profiles with an Unsteady 1DV Model
11:25-11:40	B364	Jiaxin Deng	Solving the 1DV Suspended Sediment Mixing Equation with Arbitrary Eddy Diffusivity Profiles Using Normalized Physics-Informed Neural Networks
11:40-11:55	B353	Zixi Zhao	Estimation of Sediment Transport Parameters from Field-measured Suspended Fine Concentration Time Series with a New Conceptual Model
11:55-12:10	B696	Dake Chen	Erosion Threshold of Mud and Sand-Mud Mixtures

T06S04: Marine Engineering Geology, Marine Geo-environment and Disasters -3rd International Symposium on Marine Engineering Geology (ISMEG 2023)-Seabed Process in Marine Environments and Engineering Geological Disasters

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B524	Chen Wang Invited	Investigation on Scour Around Offshore Wind Turbine Foundations From the View of Geotechnical Engineering
13:40-14:00	B923	Zhen Guo Invited	Generation Mechanism of Ocean-Wave-Induced Microseisms
14:00-14:15	B924	Dianlei Feng	Recent Development of Numerical Modeling of Environmental Hydraulic Problems
14:15-14:30	B336	Can Yi	Simulation of Three-Dimensional Soil-Water Interaction Based on A GPU-accelerated SPH Model
14:30-14:45	B687	Shuyu Zhang	Formation Mechanism and Movement Characteristics of the Storm-Induced Fluid Mud Layer in the Abandoned Yellow River Delta
14:45-15:00	B342	Tihan Fu	Numerical Modeling of Green Water Overtopping with the SPH Method
15:00-15:15	B720	Hong Zhang	Recent Progress in Assessing Subsidence in the Estuary Delta System Using InSAR Technique

15:30-15:50

Coffee Break

T04S03: Geoenvironmental Engineering and Ecological Solutions>NbS (Nature-based Solution) for Environmental Protection and Ecological Restoration

Time	Paper ID	Speaker	Paper Title
15:50-16:10	B366	Xiasong Hu Invited	Impacts of Alpine Pasture Degradation on Soil Physical-Mechanical Properties:a Case Study of Rooted Soil in Henan County, Northeastern Qinghai-Tibet Plateau, China
16:10-16:30	B217	Richard Haynes Invited	Engineered Soils - A Geoenvironmental Solution for the Bulk Uses of industrial Wastes
16:30-16:45	473	Ya Chu	Effect of Heavy Metal Ions on the Engineering Behavior Development of Chinese Clays
16:45-17:00	483	Mengnan Liu	In Situ Monitoring and Predicting the Height of Water-conducting Fractured Zone of Jurassic Coal Seam in Northwestern China



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

17:00-17:15	B317	Yukun Ji	Thermal insulation of Phenolic Resin Modified Fly Ash Geopolymer
17:15-17:30	B392	Mingchang Hei	Study on Reinforcement Mechanism of Vegetated Slopes with Root System and Vertical Geotextile Belts
17:30-17:45	B438	Tao Fu	Water Retention Evaluation of Slab Trench on Rocky Desertification Slope in A Karst Area of Southwest China
17:45-18:00	B794	Basanta Raj Adhikari	Understanding of Eco-safe Roadside Slope Stability - How Sensitive Are the Slope Stability Parameters?

Hall: Wuhou Hall

Date: Sept. 25

T05S05: Active Tectonics, Geomorphology and Geological Hazards>Mechanism, Evolution, and Prevention of Geological Hazards Caused by Earthquakes

Time	Paper ID	Speaker	Paper Title
08:20-08:40	B925	Ningsheng Chen Invited	The Prediction and Warning of Debris Flow Hazards in China
08:40-08:55	B130	Zhijie Ning	Study on Evaluation Index Treatment Method of Rock Slope Stability Prediction Model
08:55-09:10	B92	Yanchao Gao	Key Problems and Solutions on Debris Flow Control Engineering After Wenchuan Earthquake in China
09:10-09:25	B544	Alejandra Serey	Landslides During Strong Shallow Crustal and Megathrust Earthquakes: Controlling Factors and Conceptual Hazard Geomodels
09:25-09:40	625	Fei Zhao	Reinforcement Mechanism of New Flexible Combined Piles (FCP) for Rocky Slopes Under Earthquake
09:40-09:55	B76	Jiayan Lu	Evaluation of Geological Hazard Susceptibility Based on Red Bed Rock Mass in Sichuan Province
09:55-10:10	620	Maomao Liu	Analysis of Seismic Dynamic Response and Failure Mode of Bedding Rock Slopes Based on the DEM-FDM Method
10:10-10:25	B101	Yang Chang	Analysis of Debris Flow Prevention Effect and Risk Prediction Based on Numerical Simulation— Taking the 2023 "6-26" Xinqiao Debris Flow As An Case Study
10:25-10:45	Coffee Break		

T05S05: Active Tectonics, Geomorphology and Geological Hazards>Mechanism, Evolution, and Prevention of Geological Hazards Caused by Earthquakes

Time	Paper ID	Speaker	Paper Title
10:45-11:05	B88	Yongbo Tie Invited	Identification, Mechanism and Prevention of Debris Flow from Glacial Till in Southeast Qinghai-Tibet Plateau
11:05-11:20	B753	Andrian Batugin	Critically Stressed State of the Earth's Crust and Induced Geohazards
11:20-11:35	B67	Xianzheng Zhang	Dynamic Susceptibility Assessment of Post-Seismic Debris Flow Hazard, Wenchuan County, Sichuan, China
11:35-11:50	B505	Guobing Liang	Effectiveness Test and Time-frequency Analysis of Short-impending Prediction of Strong Earthquakes Based on Dynamic Gravity Information
11:50-12:05	B86	Jiazhu Wang	A Framework for Identifying the onset of Landslide Acceleration Based on the Exponential Moving Average (EMA)

T10S01: Applied Geology for Major Engineering Projects>Geological Problems and Countermeasures in Transportation Tunnel Engineering

Time	Paper ID	Speaker	Paper Title
13:20-13:40	B11	Yiguo Xue Invited	Main Unfavorable Geological Conditions and Engineering Geological Problems Along Sichuan-Tibet Railway
13:40-14:00	241	Stephen Wilkinson Invited	Corrosion Resistance of Steel Fibre Reinforced Tunnels Subject to Stray Current
14:00-14:15	203	Candan Gökçeoğlu	Tunnel Design in the Improved Ground with Deep Mixing Columns
14:15-14:30	B926	Guowen Xu	The Large Deformation Mechanism of Soft Layered Rock Tunnels and Its Controlling Measures



Agenda Overview for Technical Oral Presentation

China Standard Time, UTC +8

14:30-14:45	665	Weimeng Zhang	Influence of Rock Joints on Rock-Breaking Efficiency of TBM with A Double-Edge Disc Cutter
14:45-15:00	B802	Junlin Zhu	Study on the Influence of Surrounding Rock Blasting in TBM Unblocking Technology on Supporting Structures
15:00-15:15	B927	Shuqi Ma	Research on Slab Staggering Detection of Duct Piece Based on Azure Kinect Deep Point Cloud
15:15-15:30	B928	Yao Hu	Deformation Response of Shield Construction of Metro Stacked Tunnels in Soft Soil Area

15:30-15:50

Coffee Break

T10S02: Applied Geology for Major Engineering Projects>Large Deformation in Squeezing or Intensively Fractured Rocks

Time	Paper ID	Speaker	Paper Title
15:50-16:10	62	Qing Yuan Invited	Research on the Mechanism and Control of Large Deformation of Shallow Water-Rich and Soft Rock Tunnel
16:10-16:30	326	Xingqiang Chen Invited	In-Situ Stress Measurement and Estimation in Thrusting Strike-Slip Fault Zone and Its Significance for Evaluation of the Large Deformation in Underground Engineering
16:30-16:45	B327	Keqi Liu	Large Deformation Classification Method and Deformation Characteristic Analysis of High Ground Stress Carbonaceous Slate Tunnel
16:45-17:00	293	Yuan Qian	Self-Initiated Static-Dynamic State Transition Behavior and Triggering Mechanism of Strain Rockburst
17:00-17:15	B160	Li Zhuang	Analysis of the Large Deformation Characteristics of High-stress Jointed Soft Rock Tunnel Surrounding Rock Based on Microseismic Monitoring and Numerical Simulation
17:15-17:30	B161	Xin Li	Deformation Characteristics and Damage Evolution Mechanism of Weak Interlayer Zone in Fractured Underground Cavern
17:30-17:45	B326	Honglin Luo	Study on Structure Anisotropic Elastic-Plastic Constitutive Model of Jointed Rock Mass
17:45-18:00	B181	Peiwei Xiao	Blasting Parameter Optimization for Hydraulic Tunnels Based on Multiple Monitoring Information