PLENARY SESSIONS

Auditorium

Presenter	Title	Chair
Monday 2 November		
9:30 – 10:00 Opening session		
Dominique Ngan-Tillard	Welcome / Thank you message from IAEG 2026 local chair - Dominique Ngan-Tillard - Greetings to Niek Rengers -Past IAEG president, NL group, in the audience	Dominique Ngan-Tillard, Vassilis Marinos
Vassilis Marinos	IAEG President talk – Vassilis Marinos - Reporting on Four Years of Progress and Impact	
Chungsik Yoo	FedIGS president talk - Chungsik Yoo - Welcome message	
Vasilis Marinos, Jean-Alain Fleurisson, George Stoumpos	Presentation IAEG awards: Hans Cloos: Atiye Tugrul by Vassilis Marinos, Marcel Arnould: Nivaldo José Chiossi (represented by Maria Heloisa) by Jean-Alain Fleurisson, Paul Marinos Distinguished Lecture Tour Lecturer 2027-2028: Jean Hutchinson by George Stoumpos	
10:00 - 11:00 Keynotes lectures		
Atiye Tuğrul	Hans Cloos Lecture 2026 - From Rock to Resource: Engineering Geology for a Sustainable and Resilient Built Environment	Vassilis Marinos
Michiel van der Meulen	The Geology of the Netherlands or the Geology of the Dutch?	Denise Maljers
11:30 - 12:30 Keynotes lectures		
Xuanmei Fan	Paul Marinos Distinguished Lecture Tour Lecture 2025-2026: Earthquake and Climate Change Induced Cascading Hazards: Mechanisms and Prediction	Vassilis Marinos, Daniele Giordan
Chris Jackson	Can Engineering Geology Save the World?	Helen Reeves
Tuesday 3 November		
9:00-10:30 Special session: Nepal-China Border Cascading Disaster: An IAEG Community Session of Solidarity, Reflection and Scientific Exchange		
Fawu Wang	Movement Mechanisms and Impact Range Assessment of High-Elevation Long-Runout Landslides in Southeastern Tibet	Cees van Westen, Xuanmei Fan
Ranjan Kumar Dahal	The 2026 Rasuwa Disaster: A Transboundary Rock–Ice Avalanche, Himalayan Tsunami, and Cascading Hazards	
Cui Peng	Disaster Effects of Climate Change in High Mountain Asia	
11:00-12:30 Keynotes lectures		
Cibele Cláuver	Bridging Geophysics and Geotechnical Engineering: Integrated Characterization of Rock Masses, Buried Structures and Earth Dams	Francisco Noguira de Jorge
Haris Saroglou	Engineering Geology Challenges and Risk Mitigation in Major Infrastructure Projects	Shengwen Qi
Attah Fakeye	Building the Future from the Classroom: Innovative School–Geoscience Initiatives for Engineering Geology in Nigeria	Ann Williams
17:10-19:30 Glossop evening		
Rowshi Hussain* (*Senaatszaal)	Glossop award - Geohazard Assessment of Legacy Mine Workings Using Borehole Images and Wireline Logging	Scott O'Neill
Ann Williams	Glossop Medal - Dewatering: Where Science and Art Meet	Helen Reeves
Wednesday 4 November		
11:00-12:30 Keynotes lectures		
Pietro Teatini	Mitigating (Relative) Land Subsidence in Venice through Deep Seawater Injections and Shallow Soil Disposal	Esther Stouthamer
Lyesse Laloui	FedIGS Lecture 2026 - Kimberly-Clark Distinguished Lecture Award 2026 - Carbon Dioxide Injection into Deep Aquifers: a Geomechanical Perspective	Anne-Catherine Dieudonné
Thursday 5 November		
14:00-15:30 Closing ceremony		
Dominique Ngan-Tillard	Closing ceremony	Dominique Ngan-Tillard, Vassilis Marinos
Shenwen Qi, Helen Reeves	IAEG awards: Honorary Membership and IRP-STA awards	
To be announced	Richard Wolters Prize lecture	
Rik Hoedemaker	IAEG 2026 awards logo, SI, Dike building contest awards, best 3 posters awards	
Leon van Paassen	IAEG 2026 in numbers and take home message	
To be announced	IAEG 2031 World Congress host	
To be announced	New IAEG president	

Oral sessions

Monday 2 November 14:00-15:30

Room	Auditorium	Hall A	Hall B	Hall C	Hall D	Senaatszaal
Session	3.1 Geohazards – Lessons Learned from Landslides Around the World	1.1.1 Ground Modelling and Characterization – Models and Maps	8.1 Engineering Geology in the Digital transition and AI Revolution	3.10.1 Geohazards - Earthquake Engineering Geology	5.1.1 Responsible Use of the (Sub)Surface – Underground	9.1 Boosting Engineering Geology - Women in Engineering Geology
Moderators	Ranjan Dahal. Michel Jaboyedoff	Jan Stafleu, Christoph Kraus	Lovorka Libric, Efstratios Karantanellis	Carolina Sigaran Loria, George Papathanassiou	Fanny Descamps, Kurosch Thuro	Helen Reeves, Ann Williams, Tümay Kadakci Koca
14:00	Typology of Landslides in the Himalaya, VK Sharma	Ground Model in Eurocode 7, Country Perspectives, Matthew Baldwin		Site-Specific Probabilistic Seismic Hazard Analysis for the Akosombo Saddle Dam, Ghana, Carolina Sigaran Loria	Utilization of Cosmic-ray Muons for Subsurface Cavity Detection in Shield Tunneling: Addressing Infrastructure Challenges, Koki Sakita	Building a Profession for Everyone - Engineering Geology Without Borders: Creating Inclusive Careers Across Cultures, Countries and Generations., Anika Braun, Chris Jackson, Felicia Weir, Mark Eggers, Sarah Boulton, and Xuanmei Fan
14:15	Himalayan Landslide Science and a need for a New Landslide Classification Framework, Ranjan Kumar Dahal	Evaluating the Propagation of Geological Uncertainty from Ground Model to Geotechnical Analysis, Tobias Peterstorfer	Pre-Event DEM-Based Deep-Seated Landslide Susceptibility Mapping Using a Vision Transformer in the Kii Mountains, Japan, Teruyuki Kikuchi	Paleoseismic Insights from the 2022 ML 6.9 Chihshang Earthquake in Eastern Taiwan and Their Implications for Seismic Hazard, I-Chin Yen	Unusual geological instability conditions induced by the excavation of artificial caves: A case study of the Carrascal caves, Filipe Telmo Jeremais	
14:30	Stakeholder Perspectives on Landslide Susceptibility Models in Nepal, Anish Khanal	Rapid Geotechnical Assessments Using Interactive Methods, Eraclis Anastassiades	Combining Process-Based and Deep Generative Models for Modeling Non-Stationary Sedimentary Deposits in 3D, Guillaume Rongier	Causative Factors of Coseismic Landslide Inventories in Eastern and Western Taiwan: An Analysis of Major Seismic Events, Hsin-Kai Yeh	The Use of ShapeMetriX, a Digital Photogrammetry Tool as Part of Rock Mass Characterization in Tunneling at Polihali Transfer Tunnel, Lesotho, Egerton Hingston	
14:45	Coupled InSAR and Stability Index for Early Detection of Rainfall-Induced Landslides, Huang Jian	Rock slope stability and Block volume estimation analyzing 3D Digital Outcrop Model with innovative algorithms, Matteo Foletti	Digital Transition and Artificial Intelligence for Early Warning and Risk Assessment in Engineering Geology, Lovorka Libric	The Role of Halloysite in the Initiation and Movement of Coseismic Landslides on Tephra Slopes, Gonghui Wang	Use of Hydrogeological Models in the Project Study of the Lamiako Underwater Tunnel in Biscay (Spain), Jordi Font-Capo	
15:00	**Overview and Typical Cases of Rockfall Prevention Engineering in China,** Xueliang Wang	An Open-Source Workflow for Creating Soft-Soil Engineering Geological Models and Making Them Accessible in BIM, Joost Gevaert	Automation of Tunnel Support Detailing with AI-Assisted Programming, Amichai Mitelman	Evaluating the Impact of the Laurensberg Fault on Seismic Ground Motion in Aachen (Germany) through Numerical Modeling and HVSR Validation, Farkhod Hakimov	Numerical Modeling of Tunnel Deformation near the Panagopoula Landslide in Greece using Finite Element Methods, Nikolaos Depountis	
15:15		Bridging Cell-Based Subsurface Modelling and BIM: A Lightweight IFC4x3 Conversion Approach, Tiancheng Wang	Integration of 3D Technology in Rock Slope Classification: A New Era, Efstratios Karantanellis	Lake Biwa, Japan: A Valuable Case Study for Investigating Geological Conditions Vulnerable to Ground Failure, Yu Qian	From Geological Evaluation to Geotechnical Design: Integrating Rock Mass Behaviour in Tunnelling Without Sole Reliance on Classification Values, Vassilis Marinos	

Oral sessions

Monday 2 November 16:00 - 17:30

Room	Auditorium	Hall A	Hall B	Hall C	Hall D	Senaatszaal
Session	3.2.1 Geohazards - Landslide modelling	1.1.2 Ground modelling and characterization – models and maps	5.2.1 Responsible Use of subsurface – surface infrastructure	3.10.2 Geohazards - Earthquake Engineering Geology	5.1.2 Responsible Use of subsurface – underground	9.2 Boosting Engineering Geology - Young Engineering Geologists
Moderators	Cees van Westen, Irene Manzella	Joost Gevaert, Jan Stafleu	Arjan Venmans, Agnes van Uitert	Michael Whitworth, Carolina Sigaran Loria	Kurosch Thuro, Fanny Descamps, Helen Reeves	Efstratios Karantanellis, Tümay Kadakci Koca
16:00	Stability Analysis of the Dubičná Landslide: The Role of Temperature-Dependent Friction in a Warming Ground, Jan Jerman	A 3D Geomechanical Model Optimized by InSAR-Based Data Assimilation: The Bologna, Italy, Case Study, Xi Tang	Multi-source Monitoring and Surveying Data for collapse risk identification of inner-city quay walls in Amsterdam, The Netherlands, Arjan Venmans	The Role of Excess Topography and Peak Ground Acceleration on Earthquake Preconditioning of Landslides, Sarah Boulton	Responsible Construction in Underground Works: More than just Sustainable Development and Engineering, Nicholas Vlachopoulos	Early Career Initiatives of the Engineering Group of the Geological Society (UK), Lily Drury
16:15	Exploring the Applicability of Three-Dimensional Limit Equilibrium Models for Landslide Susceptibility Analysis at the reservoir basin scale, Elias Chikalamo	Engineering Geological 3D Modelling Based on Photogrammetry and Field Investigations during Tunnel Excavation, Petra Javornik	Combining Cone Penetration and Geophysical Data for Site Characterization near a Railway, Lexin Li	Sustainable Geological Risk Management: Insights for Post-Disaster Resilience and Mitigation from the February 6, 2023 Türkiye Earthquakes, Müge Akın	Rock mass erodibility in pressurized hydraulic tunnels, Giacomo Armetti	Contributing to the future of Engineering Geology in Brazil: the experience of the Young Engineering Geology Brazilian Group, Malena D'Elia Otero
16:30	Recent Experiences with the Slope Stability Probability Classification (SSPC), Henri Robert G.K. Hack	Advancing 3D Subsurface Modeling for Emerging Societal Needs, Denise Maljers	Reliability-based Calibration of Characteristic Values for Railway Embankment Stability Assessment, Wei Huang	A Comparison Between the Susceptibility Factors Controlling Earthquake-Induced Landslides in a Dryland and Wetland Mountain Landscape, Michael Whitworth	Engineering Geological Insights for TBM Machine Selection in Thessaloniki's Urban Tunnel Design, Aliki Kokkala	Panel discussion: Engineering Geology: Today, Tomorrow, and the Next Generation
16:45	Neural emulation of gravity-driven geohazard runout across diverse real-world landscapes, Lorenzo Nava	A Novel Approach for 3D Subsurface Modelling of the Subsiding Coastal Green Heart Area, the Netherlands, Romée Kars	Concrete Over-Consumption in Non-Displacement Piles in Dikes Due to Concrete Pressure, Majd Ahmad	Towards Coseismic Landslide Early Warning Using Initial P-Wave Displacement, Wei-An Chao	Deformation and Failure of Rock Mass in Deeply Buried Railway Tunnel Under High in Situ Stress, Ning Liang	
17:00	Numerical Simulation Analysis of Resurrection and Surge of Paleolandslide Based on FDE-SPH Method, Yongchao Li	The reconstruction of 3D Engineering Geological Model at urban scale: a case study in Chieti's city (Abruzzo, Italy), Chiara Faraone	Marine Geotechnics Numerical Software FssiCAS for FSSI Problem- Features and Typical Applications, Jianhong Ye	Assessing the Relationship Between Liquefaction and Geomorphological Formations Based on Data Derived by Worldwide Case Studies, Maria Taftsoglou	Re-Profiling for Over Squeezing Segmental Lining, Candan Gökçeoğlu	
17:15	Landslides in Motion: Smart Technology and Immersive Visualisations for Monitoring and Awareness, Irene Manzella	An Integrated Framework for Digital Rock Mass Characterization, Yu Zhou		Twenty-Five Years of Liquefaction Studies in Greece; From Susceptibility Assessment to Hazard Analysis, George Papathanassiou	Characteristics and Mechanisms of Three Special Types of Rockburst in Deep Engineering Projects on the Qinghai-Tibet Plateau, Tianbin Li	

Oral sessions

Tuesday 3 November 14:00 - 15:30						
Room	Auditorium	Hall A	Hall B	Hall C	Hall D	Senaatszaal
Session	Special session: They are Sliding Now! Three Landslides, Three Experts, Three Perspectives.	1.2.1 Ground modelling and characterization – soil characterization	5.3.1 Responsible Use of subsurface – aggregates and construction materials	3.10.3 Geohazards - Earthquake Engineering Geology	5.2.2 Responsible Use of subsurface – surface infrastructure	5.4.1 Responsible Use of subsurface – Mining
Moderators	Irene Manzella, Daniele Giordan, Michel Jaboyedoff	Frederic Collin, Maria Konstantinou, Wei Wu	Atiye Tuğrul, Björn Schouenborg	George Papathanassiou, Michael Whitworth	Agnes van Uitert, Arjan Venmans, Julien Waeber	Scott O'Neill, Oscar Mooijman, Siefko Slob
14:00	The Long-Term Evolution of Paleo-Landslides: Insights From the Petacciato Landslide Basin, Francesca Santaloia	Occurence and Behaviour of Dutch Expansive Clays, Harry van Essen	Global Outlook on Aggregate Supply: Challenges and Opportunities, Atiye Tuğrul	A Trilogy of Liquefaction Research; From Regional to Site-Specific Scale, George Papathanassiou	Unexpected Geology as Part of the Hosingen Bypass Project in Luxembourg: Examples of the Importance of Geotechnical Investigation, Steve Gruslin	An Engineering Geology Framework for Lithium Open Pits in Australian Pegmatites, Felicia Weir
14:15	Engineering Geological Analysis of the Rock Slope Failure and Resulting Hazard Cascade that Destroyed the Village of Blatten, Valais, Switzerland, Jordan Aaron	Geotechnical and Hydraulic Properties of Aeolian Kalahari Sands in Botswana, Jan Louis Van Rooy	Circular Materials for Urban, Civil Engineering Purposes, Björn Schouenborg	Engineering Geology Framework for City-Scale Seismic Liquefaction Assessment: Case Study of Lisbon Portugal, Filipe Telmo Jeremias	Engineering Geology and the Asset Management of 3000 Km of Track Embankment, Erik van der Putte	Predictive Rock Mass Qualification in Limestone Quarries: An Integrated Approach Using Geological Strength Index and Specific Drilling Energy, Fanny Descamps
14:30	The 2026 Niscemi Landslide: from Catastrophic Failure to Integrated Risk Management, Nicola Casagli	The Soil Classification Based on Laboratory Testing and CPTU Data of Quaternary Deposits in the Levan Area, Majlinda Meçaj (Sina)	Mechanical Performance and Technical Suitability of Carbonate Quarry Waste for aggregate production: The Süttő Travertine Case Study, Giacomo Zulato	Integrated Evaluation of Urban Soils Liquefaction Hazards Potential Susceptibility Risk Mapping in Selected Districts of Lagos, South-Western, Nigeria, Afolabi Olaniyi Adebayo	Numerical Analysis of the Flow Process During the Collapse of the Historical Archive of the City of Cologne, Fettah Aldudak	Subsurface Modeling 3D Using Geophysycal Methods for the Prospect of an Non-Metalic Open Pit Mine, Guanacaste, Costa Rica, Daniela Vega Romero
14:45		Bridging Soil and Rock: Evaluating Weathered Bedrock with Structural Prominence, Duan Swart	Initiatives for the Effective Utilization of Excavated Rock Containing Geogenic Heavy Metals and Metalloids in Japan, Shusaku Kon	Geological and Hydrogeological Controls on Liquefaction in Delta Environments: Evidence From the Po Delta, Northern Italy, Maria Taftsoglou	Measuring and Prioritising Sustainable Development Goals (SDGs) on a Mass Earthworks Project in Kent, UK., Anna Morley	Two-Stage Quantitative Risk Assessment of Water–Sand Mixture Inrush Based on Disaster Process Continuity, Wanghua Sui
15:00	Panel discussion	Dynamic Behaviour of Mechanical Capping: Equilibrium-Based Analysis and MPM Modelling, Coco Man	Long-Term Durability of Aggregates: An Overview of Abrasive Tests, Ákos Török	The Preliminary Study of Liquefaction-Induced Ground Deformation: The Banda Aceh-Sigli Toll Road Section I (Padang Tiji-Seulimeum), Sumatra Case, Paulus Kevin	Numerical Assessment of Groundwater-Driven 3D Dielectric Property Variability and Its Impact on GPR Response in Railway Subgrade Monitoring, Sepideh Harajchi	Investigation of Fracture Evolution and Groundwater Flow in High-Position Overburden Under Longwall Mining, Wei Qiao
15:15		Whether the Spherical Fines With Rolling Resistance Can Replace the Real-Shaped Fines in Geotechnical Granular Mixtures, Qun Qi	Automated Classification of Natural Aggregates Using Paired Polarized Light Microscopy, Burcu Aytekin	Classification of Severity of Liquefaction Phenomena With the Values of Liquefaction Potential Indices, George Papathanassiou	Adaptive Design of Emergency Spillway Repairs at the Akosombo Dam: Integrating CFD and FEM Under Time Constraints, Santiago Aguilar	Geotechnical Hazards of Historical Mining - The Important Legacy of our Shared Mining History., Scott O'Neill

Oral sessions

Tuesday 3 November 16:00 - 17:30

Room	Auditorium	Hall A	Hall B	Hall C	Hall D	Senaatszaal
Session	3.2.2 Geohazards - Landslide modelling	1.2.2 Ground modelling and characterization – soil characterization	5.3.2 Responsible Use of subsurface – aggregates and construction materials	3.9.1 Geohazards - Climate change hazards	6.1 Geo-environmental engineering	5.4.2 Responsible Use of subsurface – Mining
Moderators	Silvia Bianchini, Luca Schiliro	Maria Konstantinou, Wei Wu, Frederic Collin	Björn Schouenborg, Isabel Fernandes, Atiye Tuğrul	Suzanne van Eekelen, Paraskevas Tsangaratos	Timo Heimvaara, Xiaolei Liu, Leon van Paassen	Siefko Slob, Scott O'Neill, Oscar Mooijman
16:00	Physics-Informed Neural Network for Modelling Slow-Moving Landslides, Ashok Dahal	Computation of Total Settlement in Sensitive Soils Using the Cone Penetration Test: Case Reviews From the Niger Delta, Tamunoene Kingdom Abam	Quantification in petrographic analysis: from aggregates to concrete, Isabel Fernandes	Early Holocene global sea-level rise: what does it tell us?, Marc Hijma	Fungal Application for Mitigating Erosion and Shallow Landslide: Impact of Penicillium chrysogenum on the Properties of Clayey Soil, Ali Hajian	*This is a special session (see the app for the actual timing)*
16:15	Monitoring of Subsoil Deformations for a More Correct and Complete Interpretation of Slow or Extremely Slow Kinematic Phenomena, Paolo Allasia	Three-Dimensional Microstructure and Structural Representative Volume Element of the Intact and Remolded Loess, Shengwen Qi	Quantification of Chert in Concrete Structures to Reduce Bias in Alkali-Reactive Aggregate Assessment through Forensic Examination, Patrick Holthuizen		Impact of Trichoderma Asperellum on Hydrological and Mechanical Properties of a Silty Clay Soil on Mitigating Rainfall Induced Shallow Landslide., Kimia Saber Sichani	Hydrological Reorganisation in Mining-Subsided Lowlands, Agnieszka Malinowska
16:30	Geo-engineering Characterization of a Large-Scale Low-Angle Translational Landslide Triggered by the February 6th, 2023 Kahramanmaraş Earthquakes, Tümay Kadakci Koca	Residual Granitic Soils: Geotechnical Properties Variability to Use in Low-Volume Roads, Marcos Musso	Influence of Petrographic Characteristics on the Physical-Mechanical Properties of Crystalline Rocks: Quality of the Aggregate Produced, Maria Ingunza	Effect of Cyclic Drying-Wetting on the Hydromechanical Behaviour of a Dutch Expansive Clay, Maria Konstantinou		Radiological Risk Assessment as an Engineering Geological Tool for Sustainable Phosphate Mining in Northwestern Nigeria, Shakirat M. Aminu
16:45	Multi-Source Data Analysis of Active Slow-Moving Landslides with Limited Geomorphic Evidence: The Santa Cecilia Case Study (Northern Apennines, Italy), Cecilia Fabbiani	Effect of swell-shrink on shear strength of expansive clays from the Canadian Prairies, Shahid Azam	A Novel Method for Alkali-Silica Reaction Mitigation in İstanbul's Aggregates: Understanding Reactivity and Treatment, Erdi Avci	Laboratory Study of the Influence of Freeze-Thaw Cycles on Limestone - PermaPyrenees Project, Alais Gaudry	Continuous Ultrasonic Monitoring of Curing-State Evolution in Tung Oil-Stabilized Sand, Shuijin BI	An Integral Quarry Policy for the Municipality of Valkenburg aan de Geul, Jacquo Silvertant A Holistic Approach to the Coal Aftercare: The Limburg Coal Mining District, in the Netherlands, Joana Martins Polling and Panel discussion
17:00	Spatio-Temporal Distribution Pattern and Susceptibility of Reservoir-Induced Landslides in Xiluodu Hydropower Station, Songfeng Guo	Heating induced variation in soil strength and its mapping using infrared spectroscopy., Om Prasad Dhakal	Economic Prospects and Industrial Profiling of Residual Clays around Southwest Nigeria for Sustainable Development., Charles Adebayo Oyelami	From Cloudburst to Disaster: Modeling Debris Flow Dynamics in Bayshonai Kalay, Buner District, Khyber Pakhtunkhwa, Pakistan, Khuram Shehzad	Sustainable Soil Permeability Reduction Using Microbial Bio-Clogging, Viroon Kamchoom	Glossop Award Lecture - Geohazard assessment of legacy mine workings using borehole images and wireline logging, Rowshi Hussain
17:15	A Source-Term Refinement Framework for Rockfall Hazard Assessment in Near-Vertical Coastal Cliffs: The Navagio Beach Case Study, Greece, Themistoklis Chatzitheodosiou	Feasibility Study of Surface Weathering Index (SWI) for Quantitative Assessment of Tropical Granite, Mohd Ashraf Mohamad Ismail	Planning Aggregate Supply in İstanbul, Türkiye, Atiye Tuğrul	Wetting-Drying Cycles and Cone Penetration Tests in Clay - How Does Seasonal Drought and Vegetation-Induced Suction Affect Clay Strength?, Suzanne van Eekelen	Effects of Root–Crack Dynamics on Soil Infiltration During the Growth Period Across Seasons, Yuliana Yuliana	

Oral sessions

Wednesday 4 November 9:00-10:30

Room	Auditorium	Hall A	Hall B	Hall C	Hall D	Senaatszaal
Session	3.3 Geohazards - Landslide characterization, monitoring and mapping	1.1.3 Ground modelling and characterization – models and maps	2.1.1 Low-lying countries and soft soils – subsidence	3.9.2 Geohazards - Climate change hazards	6.2 Geo-environmental engineering	Special session - Einstein Telescope
Moderators	Malena D'Elia Otero, Sarah Boulton	Christoph Kraus, Joost Gevaert	Esther Stouthamer, Thibault Candela	Paraskevas Tsangaratos, Suzanne van Eekelen	Xiaolei Liu, Francisco Noguira de Jorge	Hannes Claes, Lorenzo Lipparini
9:00	Understanding the Geohazard Characteristics of the Bobonaro Mélange Lithology and Its Implications for Sustainable Infrastructure in Timor-Leste, Oktoviano Viegas Tilman de Jesus	Applying Engineering Geological Models in Tailings Dam Projects, Wenzhu Hou	Understanding Ground Instability in Mexico City: A Multidisciplinary Study of Land Subsidence, Fracturing, Faulting, and Seismic Response, Dora Carreon-Freyre	Post-Fire Ground Deformation and Debris-Flow Activity across Lithologies in Southwestern China, Yonghao Zhou	Evaluation of Radon Content in Soil Using Artificial Intelligence, Wolfgang Wehr	*This is a special session (see the app for the actual timing)* Geological Subsurface Studies for Einstein Telescope, Geert-Jan Vis
9:15	Advancing remote sensing for semantic landslide hazard mapping and monitoring, Efstratios Karantanellis	A Sub-Zonal Markov Random Field Framework for Regional Stratigraphic Modelling in Heterogeneous Basins, Jia-Jyun Dong	Stratigraphic and Sensitivity Influence on Soft Soil Behavior in the Holocene Deposits of the Eastern Izumo Plain, Japan, Anjila Babu Malla	A Semi-Quantitative Methodology for Hydrological Risk Evaluation, Malena D'Elia Otero	Sorption Characteristics and Geochemical Assessments of Clay-Shale Materials as Landfill Liners: Implications for Low-cost Wastes Containment System, Moshood Tijani	From Rock to Aggregate: Assessing Sustainable Use of Excavated Materials for the Einstein Telescope, Ophélie Faÿ
9:30	Accelerating Coastal Landslides in a Changing Climate: InSAR Analysis of The Undercliff Complex, Isle of Wight, UK, Jennifer Scoular	Evaluation of anthropogenic transformation of urbanized areas based on archival topographic maps and its impact on modeling of geological structure, Adam Popławski	Deformations and Damage of Linear Infrastructure Caused by Peatland Subsidence – Mechanism and Case Histories, Arjan Venmans	Dynamic glacial sediments contribute to debris flow activity in the eastern Himalayas, Tibet Plateau, Jiao Wang	Hydrogeochemical Modeling of Metal Mobility in Mining-Impacted Reservoirs in Palo Colorado, Mexico, Armando Guerrero Aguilar	3D geological subsurface model as a supporting engineering tool for the Einstein Telescope study area in Sardinia (Italy), Lorenzo Lipparini
9:45	Monitoring Earthflow Displacements Using UAV Surveys and Offset Tracking Techniques: Case Studies from the Northern Apennines, Italy, Francesco Lelli	Bridging the Gap Between 3D Digital Mapping and Geomechanical Analysis of Fractured Rock Slopes, Niccolò Menegoni	Unravelling shallow subsurface deformation processes in organic-rich coastal plains, Sanneke van Asselen	Postfire net primary productivity recovery informs debris flow susceptibility assessment in a burned area, southwestern China, Kun He	Geological and Geo-electrical Characterization of Hydrocarbon Contaminated Soils in Gokana, Ogoni, Rivers State, Nigeria, Tamunoene Abam	Reflection Seismic and Ambient Noise Measurements as Well as Seismic Modelling in Support of the Einstein Telescope, Michael Kiehn Seismic Interpretation in Support of 3D Modelling in the Euregion Meuse-Rhine for Einstein Telescope, Jef Deckers
10:00	Geodetic Observation and Inversion of Slow-Moving Landslides., Ashok Dahal	3D ground modelling improving offshore data integration in complex post-glacial soils; case studies of the North Sea, Noémie Volpilhac	New Prediction Maps for the Netherlands Show Land Subsidence Due to Water Management, Gilles Erkens	Impact of Climate Change on Sediment Transfer and Associated Debris Flow Management: A Case Study in the Swiss Alps., Erika Prina Howald	Water Balance and Chloride Mass Balance Assessment of the Kragge Infiltration Pilot, Timo Heimovaara	Hydrogeological Characterization and Modelling as Part of the Feasibility Study of the Einstein Telescope in the EMR Region, Philippe Orban
10:15	Geological Investigation and Process Interpretation of a Landslide-Prone Area in Medellín, Colombia, Kurosch Thuro		Machine Learning-Based Hazard and Risk Assessment of Subsidence-Related CO2 Emissions in Dutch Peatlands, Muhannad Hammad	Prevention is More Beneficial than Remedy: Flood, Ilyas Yilmazer	Landfill Settlements Under Conditions of Enhanced Waste Biodegradation, Cristhian F Andrade	Einstein Telescope - 3D Engineering Geological Model, Manfred Thüring

Oral sessions

Wednesday 4 November 14:00 – 15:30						
Room	Auditorium	Hall A	Hall B	Hall C	Hall D	Senaatszaal
Session	3.4 Geohazards - Slope stability and geotechnical characterization	1.3.1 Ground modelling and characterization – rock characterization	2.1.2 Low-lying countries and soft soils – subsidence	7.1 Engineering Geology for the Preservation of Heritage	6.3 Geo-environmental engineering	Special Session - Prestigious Projects and Advanced Technology in China and Beyond – Part 1
Moderators	Anika Braun, ATM Shakhawat Hossain	Ophelie Fay, Lihui Li, Ákos Török	Dora Carreon-Freyre, Kay Koster	Jean David Vernhes, Dominique Ngan-Tillard, Arindam Basu	Francisco Noguira de Jorge, Julia Gebert, Leon van Paassen	Shengwen Qi, Ning Liang
14:00	The Infinite Slope Length: Investigating the Length-to-Depth Ratio Threshold, Lorenzo Di Taranto	Preparation of a 3D Model of the Calp Limestone in Dublin City Centre, Marie Fleming	Subsidence Induced by Groundwater Over-Exploitation in Tuscany (Italy): A Multidisciplinary Monitoring and Modelling Approach, Camilla Medici	Influence of Lithology and Saturation on the Mechanical Behaviour of Chalk Rocks in Northwestern Europe, Ophélie Faÿ	Earthquake-triggered landslides and mountain carbon storage, Jie Liu	Grounded in Resilience: Harnessing Engineering Geology and Emerging Technologies for Disaster Risk Reduction, Vassilis Marinos
14:15	Temperature Evolution in Sandy Soil under Large-Displacement Shear, Ye Chen	A Review of Weathering Classifications for Geological and Engineering Documentation, Adam Roguski	State-of-the-Art Overview of Understanding Combined Resource Extraction and Groundwater Management Induced Subsidence in the Netherlands, Thibault Candela	Engineering Geological Study for the Preservation of Petroglyphs at Mata Ngarahu, Rapa Nui (Easter Island), Matthew Free	Identifying possible methane emission risk related to abandoned oil/gas wells in the built environment of the municipality of Rotterdam, Ard den Outer	Drowning Deltas: Land Subsidence, Elevation Change and Relative Sea-Level Rise in Sinking Coastal-Deltaic Areas, Philip S.J. Minderhoud
14:30	Mineralogy-Controlled Thermal Sensitivity of Residual Shear Strength: Evidence from Illitic Landslide Clay and Reconstituted Kaolin, Gianvito Scaringi	Estimation of Strength Properties and Elastic Modulus in Jurassic Sandstones of Tampico-Misantla Basin in México., Mariano Cerca	Analyzing faults, fracture connectivity, and groundwater dynamics in San Miguel de Allende, Mexico, Claudia Noemí Luciano-Soria	Examples of non-conventional use of geophysical methods for monumental heritage, Silvia Castellaro	Microseismic Evidence of Deep-Sea Methane Release Driven by Tropical Cyclone-Induced Seafloor Warming, Zhaoyang Tian	Remote sensing for landslide investigations: A progress report from China, Qiang Xu
14:45	Numerical Integration and Step-Size Sensitivity for a Coupled Hydro-Mechanical Constitutive Model of Root-Reinforced Unsaturated Soil, Xiaohan Luan	Mechanical Characterization of Some Gneisses From Southeast Brazil, Eduardo Marques	A Synergistic PCA–ICA InSAR-based methodology for the understanding of multi-drivers' land subsidence in Emilia-Romagna region, Italy, Roberta Bonì	Identification of unstable rock blocks in a hand-excavated historic tunnel wall using millimeter-wave radar, Masahiko Osada	Promoting morphological diversity to support resilience and ecological functionality of a freshly infilled reconstructed wetland in the Venice Lagoon, Claudia Zoccarato	Challenges and Climate Related Issues from Geo-Hazards Threatening Sustainable Development of Bangladesh - Some Geological Engineering Solutions, ATM S Hossain
15:00	Erosion Mechanisms of Landslides: Granular Column Collapse Experiment on Erodible Beds and DEM Insights, Xiaolin Tan	Engineering Geological Models for Design of Excavations in Structurally Controlled Rock Masses, Mark Eggers	Land Subsidence Monitoring Using Distributed Fiber Optic Sensing and Its Implications, Kai Gu	General Situation of Cultural Relics Protection Projects in China and Typical Cases, Lihui Li	Groundwater Extraction-Induced Geohazards and Geodiversity Loss in Protected Volcanic Crater Lakes of Central Mexico, Mariano Cerca	Prediction of Brittle Rock Failure Severity of Underground Powerhouse of Shuangjiangkou Hydropower Station Based on Rock Mass Failure Process, Shengwen Qi
15:15	Modeling Suffusion via CFD-DEM Simulation, Otoha Kemori	Analysis of the Deformation of a High and Steep Rock Slope Affected by Two Sets of Closely Spaced Persistent Discontinuities, Luca Schilirò	Vertical Land Motion Monitoring of Expansive Clay with High-Precision Extensometers in the Groningen Coastal Plain of the Netherlands, Kay Koster	Geotechnical Assessment, a Major Step for Heritage Valorisation of Underground Quarries - The Malogne Case Study in Belgium, Ali Kheffi	Multi-Scenario Land Use and Carbon Storage Assessment in the Yellow River Delta under Climate Change and Resource Development, Xiaolei Liu	Rock Friction Reshaped by Extreme Environments, Wei Wu

Oral sessions

Wednesday 4 November 16:00 – 17:30

Room	Auditorium	Hall A	Hall B	Hall C	Hall D	Senaatszaal
Session	3.5 Geohazards - Landslide management and stability measures	1.3.2 Ground modelling and characterization – rock characterization	2.2 Low-lying countries and soft soils – coasts and rivers	7.2 Engineering Geology for the Preservation of Heritage	4.1 Engineering Geology in the Energy Transition	Special session - Prestigious Projects and Advanced Technology in China and Beyond – Part 2
Moderators	Constantinos Loupasakis	Ákos Török, Lihui Li, Ophelie Fay	Joep Storms, Tom de Gast	Jean David Vernhes, Dominique Ngan-Tillard, Arindam Basu	Anne-Catherine Dieudonné, Antonio Dematteis, Phil Vardon	Shengwen Qi, Ning Liang
16:00	Slowing a Large Landslide to Maintain a Highway, Christoph Kraus	Rockburst-Inspired Controlled Spontaneous Fragmentation of Hard Rock via Ultra-High Frequency Particle Impact, Yu Zhou	Static Liquefaction Assessment of a Dutch Flood Defence - A case Study, Tom de Gast	Geology, Microstructure, and Durability in Marmara Island (Prokonnesos) Marble: Accelerated Aging Tests and Implications for Cultural Heritage Sites, Bilgehan Toksoy Edis	Overall Geological Screening of Danish Waters for Offshore Wind, Thomas Vangkilde-Pedersen	Overview of Marine Engineering Geology in China and Typical Cases, Yonggang Jia
16:15	The Australian Geomechanics Society Guidelines for Landslides Risk Management 2026, Darren Paul	Kinematic Analysis of the Slopes of the Mutirão Quarry, in Seropédica, Rio de Janeiro, Brazil, Eduardo Marques	Soil Loss Estimation in a Coastal Environment: The Case of Southeastern Brazil, Rogerio Vieira Gomes	Cliffs of Moher, Ireland Geohazard Assessment, Marie Fleming	Geology of the North Sea in relation to wind-farm construction: just an aspect to take care of or should it determine where to build?, Marc Hijma	Urban Metro Construction in China: General Overview and Typical Cases of Geohazard Challenges, Qiangbing Huang
16:30	Potential Considerations for Resilient Slope Design in a Changing World, Graeme Jardine	A New Portable Device for Classifying Rock Weathering Using the Slaking Method, Adil Binal	Engineering Geology for Flood Levee Design to Alleviate Emergency Humanitarian Situations in South Sudan, Anna Morley	Rediscovering the Acequia Madre in Queretaro Mexico: Geophysical and Artistic Explorations of Urban Heritage, Jesus Ocampo-Aguilar	Designing Critical Seafloor Infrastructure Against Sediment Gravity Flow Hazards: Constraining Sedimentary Processes to Propose Mitigation Strategies, Max Bouwmeester	Overview and Typical Cases of Deep Engineering in China, Xiaoqin Li
16:45	A Predictive Debris Flow Warning System Using Saturation Modelling: Development at Scotland's A83 Rest and Be Thankful, David Bacon	Laboratory Experiments and Engineering Applications of the Stress Relief-Recovery Test, Shun Zhang	A Spatial Screening Approach for Subsidence of River Dikes Using InSAR and Subsurface Data, Manon Verberne	Engineering Geological Models and Foundation Stability Assessment of the Grade I listed Clifton Suspension Bridge, Bristol, UK., Mike Summers	Submarine Landslides Against a Deformable Cable: Insights From Centrifuge and DEM-LBM Modelling, Miguel Cabrera	Engineering Geological Challenges and Solutions in Permafrost and Seasonally Frozen Ground Engineering in China, Fujun Fujun
17:00	Influence of a Deep-Drainage System on the Dynamics of the Succiso Landslide (Northern Apennines, Italy), Melissa Tondo	Visualizing the Transition from Stick-Slip to Stable Sliding in Rock Fractures, Wei Wu	Can we monitor water infiltration in a dyke using shear waves?, Ranajit Ghose	Evaluation of stability in rock-hewn dwellings at a cultural heritage site: Cappadocia (Türkiye), Mutluhan Akin	Aligning pre-existing geodata with project-acquired information for offshore infrastructures, Stefan Carpentier	Engineering Geological Challenges and Representative Practices in China's Mountain Tunnels and Underground Caverns, Tianbin Li
17:15	Landslide Risk Management in Mountainous Terrain, an Example From Georgia., Harry Saroglou	Rock Mass Classification from In-Roof Imaging: A Sydney Sandstone Tunnel Case Study, Hamed Lamei Ramandi	Automated Processing and Visualisation of Resistivity Data for Flood Defence Embankment Monitoring, Evie Baker	From Deformation to Stabilisation: Long-Term Behaviour of Historical Salt Mine Chambers in the UNESCO-listed Wieliczka Salt Mine, Agnieszka Malinowska	Sediment ageing and corrosion around piles in marine conditions: Impact on operational stability and decommissioning feasibility, Hannes Claes	Lithological Weakness Meets Geomorphic Activation: Terrain Controls on Red-bed Landslide Clustering in Southeastern Tibet, Jianhui Deng

Oral sessions

Thursday 5 November 9:00 – 10:30

Room	Auditorium	Hall A	Hall B	Hall C	Hall D	Senaatszaal
Session	3.6 Geohazards - Rock falls: field characterization, monitoring & zoning	1.4 Ground modelling and characterization – site investigation and field techniques	8.2 Engineering Geology in the Digital transition and AI Revolution	3.8.1 Geohazards - Multihazards and risk assessment	4.2 Engineering Geology in the Energy Transition	Special session - Prestigious Projects and Advanced Technology in Europe
Moderators	Maddalena Marchelli, Harry Saroglou	Nico Parasie, Patrik Vidstrand, Lionel Delhaye	Ashok Dahal, Hyuck-Jin Park	Irene Manzella, George Gaprindashvili	Antonio Dematteis, Phil Vardon, Anne-Catherine Dieudonné	Leon van Paassen
9:00	Understanding rock fall and rock avalanche processes for comprehensive hazard assessment, Christian Zangerl	Comparative Analysis of Load Transfer Mechanism and Strain Distributions in Compression-Type and Composite-Type Anchors Based on Full-Scale Field Test, Hoki Ban	Expert-Guided AI Protocol for Geological and Hydrogeological Conceptual Modelling, Jose Rodriguez	Assessing the feasibility of crowdsourced pavement roughness as a proxy for landslide impacts on roads in Italy, Nicoletta Nappo	The Delft Subsurface Urban Energy Laboratory: Overview and progress, Philip J. Vardon	Risk-Based Geotechnical Design in the Oosterweel Link (Belgium): Impact of Excavation Methodology on Geomechanical Behaviour of undrained Boom Clay, Patrick Ganne
9:15	Quantitative assessment of rockfall-induced risks to infrastructure: a framework for fragmentation, mitigation measures and socioeconomic consequences, Maddalena Marchelli	Integrating Satellite Reflectance and Field Measurements to Predict Moisture Content Profiles in Bare-Soil Conditions, Habib Unluoglu	Improving Risk Communication through Visual Monitoring Bulletins: from Raw Data to Accessible Knowledge., Ferran Parera	Probabilistic Landslide Assessment in a Changing Climate: Insight from Multi-Hazard Interactions, Zhengying He	Enhancing Operational Resilience in delivering Renewable Energy: Integrating Multidisciplinary Approach for Geohazard Mitigation in Geothermal Fields, Elaine Marie Pena	
9:30	Dynamic rockfall susceptibility modelling in Czechia: integrating climatic drivers and temperature-dependent thresholds, Marco Loche	LiDAR for Rapid Geomorphological Assessment, Examples in Relict Periglacial and Landslide Landsystems, David Giles	Assessment and Mapping of Sinkhole Hazard and Risk by Using a Machine Learning Approach: Guidonia–Bagni Di Tivoli Plain (Italy) Case Study, Silvia Bianchini	Mapping Coastal Susceptibility to Landslide-Triggered Tsunamis: An Expert-Based Approach, Anika Braun	Fracture mechanical characterization of an analogue sandstone for a medium-depth geothermal reservoir in SE-Germany, Lilith Fröhlich	Building Highways in a Swamp: A case study on ageing of soft soils, Herbert Polinder
9:45	Development of a Rockfall Hazard Map: A Case Study from Rumkale, Türkiye, Abdullah Onur Ustaoglu	Advanced Geotechnical QA/QC of Drill Core Data to Optimize Hydrofracking Analysis, Eftychia Petika	Integrated Monitoring and AI-Based Forecasting of Landslide Activity in the Complex Terrain of Metsovo, Greece, Nikolaos Depountis	Time-Series InSAR Analysis of Pre- and Post-Fire Erosion and Its Link to Changes in Soil Geotechnical Properties, Tümay Kadakci Koca	Multi-method analysis of the fracture toughness of rocks from geothermal reservoirs and analog samples in SE Germany, Catharina Drexl	
10:00	Insights on Mechanisms of Rock Slope Failures in Seismic Conditions From 3D Numerical Analysis: A Case Study From 2016 Central Italy Seismic Sequence, Luca Schilirò	The stiffness of weathered clays and mudstones: Back-analyses of an earthwork trial, Kevin Briggs	Geostatistical and Evolutionary Optimization Strategies to Assess Uncertainty and Spatial Variability in Engineering Geological Problems, Lorenzo Dezio	Embedding Communication into Engineering Project Cycles: Insights from Risk-Sensitive Contexts in Peru, Katia Vila	Geological and Thermal Data Integration for Shallow Geothermal Potential Assessment in Poland Using GIS Tools, Marta Szlasa	Engineering-Geological Challenges in the Construction of the Brenner Base Tunnel, Kurosch Thuro
10::15	Realistic Geometric Modeling and Dynamic Fragmentation Simulation of Potential Unstable Blocks in High and Steep Rock Slopes, Zhaowei Yao	Fault Hierarchy–guided Evaluation and Weighted Integration of Multi-Source Remote Sensing Methods for Fault Identification, Zan Wang	Integrating Deep Learning and Explainable AI (XAI) for Landslide Susceptibility Assessment: A Case Study of the Aring Road Alignment, Malaysia, Mohamad Faruq Syahmi Md Aripin	Multi-hazard risk Assessment from theory to practice, Cees Van Westen	Borehole and Aquifer Thermal Energy Storage Developments and Opportunities, Martin Bloemendal	

Oral sessions

Thursday 5 November 11:00 - 12:30

Room	Auditorium	Hall A	Hall B	Hall C	Hall D	Senaatszaal
Session	3.7 Geohazards - Rock falls: Modeling, mechanics and mitigation	3.11 Geohazards - Karst and erosion	8.3 Engineering Geology in the Digital transition and AI Revolution	3.8.2 Geohazards - Multihazards and risk assessment	4.3 Engineering Geology in the Energy Transition	9.3 Boosting Engineering Geology
Moderator	Olga Mavrouli, Christian Zangerl	Louis van Rooy	Efstratios Karantanellis, Ashok Dahal	George Gaprindashvili, Irene Manzella	Phil Vardon, Anne-Catherine Dieudonné, Antonio Dematteis	Vassilis Marinos
11:00	Assessing rockfall risk over time: evolving scenario analysis and management of protective structures, Maddalena Marchelli	Analysis of Hydrodynamic-Induced Stress in the Bossea Mountain Karst Aquifer Through Passive Seismic Monitoring, Luca Biamino	Integrating AI and Knowledge Graphs for Advancing Georisk Assessment, Katia Veronica Vila Mamani	Seismic Response and Failure Analysis of the Layered Rock Slope by a Shaking Table Test, Kongming Yan	Predicting the Future – the Role of the Engineering (Hydro)geologist in Developing Credible Performance Requirements for Energy Infrastructure, Mark Lee	Engineering Meets the Earth: Boosting Engineering Geology Education Through Field Training, Vassilis Marinos
11:15	Is a landslide responsible for >2000 m rockfall runouts in Bolonia Bay, southern Spain? FEM back-analysis of a possibly earthquake-triggered landslide, Anika Braun	Land Subsidence and Aquifer Dynamics in Anthropogenically Stressed Environments: The Case of the Messara Basin, Crete Island, Greece,Constantinos Loupasakis	Data Driven Framework for Rainfall-Induced Landslides Dimension Assessment Using Machine Learning: Case Study from Northern Italy, Massimiliano Bordoni	Integrating Geoethics into Disaster Risk Management: A Framework for Resilience in Peru, Christian Ayala	Evidence From Investigations for New Nuclear Power in Bradwell, Essex, England: Pre-Holocene Estuarine Deposits From Two High Sea Level Events, Rebecca Mary Briant	Rethinking Engineering Geology Education: Critical Thinking in an AI-Enhanced World, Davide Elmo
11:30	A Reliability-Based Approach for Assessing the Safety of Rockfall Protected Slopes, Valerio De Biagi	Discontinuity Characterization and Block Size Evaluation in Calcareous Karstic Units at the Sierra d'Ordal, NE Spain, Aline Concha-Dimas	3D Rock Slope Monitoring with AI and a Single RGB Camera, Ioannis Farmakis	Identifying Landslide Triggers in Data-Scarce Mountainous Regions: Toward a Multiscale and Proactive Framework from the Cameroon Volcanic Line, Danny Love Wamba Djukem	Foundation of Photovoltaic Panels in Heterogeneous Soils: Loess and Antropic Soil Deposit, Emilia Milutinovici	Women Engineering Geologists in the LAC Region Building Resilience: Experiences Facing Geohazards and Social Inequity, Alejandra Serey
11:45	Coupling Numerical Modelling and Laboratory Mechanics to Investigate Coastal Cliff Instability in Tuffaceous Rocks, Gian Marco Marmoni	Sandification-Induced Physical and Mechanical Property Damage of Dolomite in Yunnan, China, Jian GUO	Inception Committee meeting	Municipality-Level Landslide Hazard Mapping in Greece: A Methodology for National Implementation, Natalia Spanou	Lessons from the PRACLAY Heater Test in Boom Clay for Geological Disposal of Radioactive Waste in Belgium, Temenuga Georgieva	Geology for Engineers: Building a Better Foundation for Risk-Resilient Design., Joost van der Schrier
12:00	Strengths and limitations of the Distinct Element Method (DEM) for rockslide modelling, Livia Pierhöfer	Occurrence of Karst Features in Northeast Belgium and the Southeast Netherlands, David Lagrou		A Multi-Scale, Index-Based Approach to Coastal Vulnerability Assessment in Greece: Integrating National Screening with Regional-Scale Analysis, Vasileios Boumpoulis	Hydro-mechanical laboratory testing of deep Paleogene clays, Ties de Jong	Enhancing Engineering Judgement in Dam Projects: Addressing the Engineering Geology Skills Gap in Australia and the Pacific Islands, Vladimir Lopez Suarez
12:15	Evaluating the Earthquake-Induced Rockfall Triggering through Rocking Response Dynamics, Pavlos Asteriou	Erosion and Structural Weakening in Sandstone Arches: Geohazard Implications from Pravčická brána, Martin Maľa		Integrating Engineering Geological Data for Urban Geohazard Identification and Risk Mitigation of Thessaloniki's City, Northern Greece, Aliki Kokkala	Influence of Water Content and Void Ratio on Thermal Properties of Two High-Plasticity Clays, Jan Jerman	From LiDAR to Learning: Optimizing 3D Models of the Valkenburg Mines for Educational Virtual Reality Risk Assessment, Maxx Vercouteren

Pitched Poster Sessions

Tuesday 3 November 13:30 – 17:30

Frans van Hasseltzaal

Session	#	Title	Presenter
1.1 Ground modelling and characterization – models and maps, Jan Stafleu, Christoph Kraus, Joost Gevaert			
1.1.p	1.1	Geological-engineering regionalization in Poland	Edyta Majer
1.1.p	1.2	Engineering-Geological Map of Poland at 1:50,000 Scale (MgiP50k) - a Simple but Modern Approach to Engineering-Geological Cartography.	Krzysztof Majer
1.1.p	1.3	Development Suitability on Mountainous Region in Kundasang, Malaysia	Azmawi Mohd Mazran
1.1.p	1.4	Managing Subsurface Data Using Blender: A Multi-Method 3D Investigation of the East Montebello Fault in Los Angeles, CA	Eldon Gath
1.1.p	1.5 (online)	On the General Engineering-Geological Classification of Geological Processes and Phenomena	Omar Kutsnashvili
1.1.p	1.o.1 (online)	Early-Stage Dynamic 3D Ground Modelling to Improve Offshore Wind Farm Site Investigation and Future Data Integration	Noémie Volpilhac
1.1.p	1.o.2 (online)	2D/3D Engineering Geological Modeling of Deep Foundation in Parts of Rivers State, Nigeria	Dickenson Daniel Hector
1.1.p	1.o.3 (online)	3D Geological Modeling and Engineering Geological Characterization of Shallow Subsurface Soil and Rock of Addis Ababa, Ethiopia	Biruk Wolde
1.1.p	1.o.4 (online)	3D Ground Model Development in Complex Geological Conditions – A Phased Approach	Alex Lodenkemper
2.1 Low-lying countries and soft soils – subsidence, Dora Carreon-Freyre, Kay Koster, Esther Stouthamer			
2.1.p	1.7	Stratified Behavior of Soft Soils in a Subsiding Urban Basin: A Case Study From Molino-Tezonco, Mexico City	Dora Carreon-Freyre
2.1.p	1.8	Spatial Land Subsidence Variations Due to Urbanization	Valentina Maoret
2.1.p	1.9	Anthropogenic Controls on Urban Ground Deformation: Insights From GPR Surveys in Querétaro, Mexico	Vania Ferrer-Parra
2.1.p	1.10	Geotechnical and hydrogeological conditions of subsidence sites detected by InSAR of Sentinel-1 images from 2015 to 2020 in the area of Barcelona.	Aline Concha-Dimas
2.1.p	1.11	Geotechnical Data for Geological Characterization of Almere Pampus, the Netherlands	Romée Kars
2.1.p	1.12	Assessing Drought-Induced Subsidence Disruptions in the Dutch Railway Network	Gina Alexandra Torres-Alves
2.1.p	1.13	Case study of the joint application of field and InSAR ground deformation monitoring for a solar pond perimeter dike in Jordan	Oscar Mooijman
2.1.p	1.14	Land Subsidence in the Eastern Thessaly Plain, Greece. Assessment of Groundwater Overexploitation, Land Use, and Storm Daniel through InSAR Monitoring	Nikolaos Antoniadis
2.1.p	1.15	Integrating Subsidence Dynamics and Saltwater Intrusion in the Mekong Delta: A Numerical Modeling Approach for Sustainable Groundwater Management	Ahmed Sabbir
2.1.p	1.16	A Hybrid Framework Integrating Numerical Model with Machine Learning for Land Subsidence Prediction in the Irrigation Area of Yellow River Flood Plain	Jianmei Cheng
2.1.p	1.17	Experimental and Geomechanical Modelling Investigation on a Saltmarsh Restoration Project in the Venice Lagoon	Pietro Teatini
2.1.p	1.18	Modelling seasonal shrink-swell and saturated zone deformation of clay underneath buildings on shallow foundations	Henk Kooi
2.1.p	1.19	Monitoring subsidence and building vulnerability in Como, Italy: 30 years of InSAR	Nicoletta Nappo
2.1.p	1.20	The Untapped Potential of Geotechnical and Geological Data for Coastal Land Subsidence Research	Manon Verberne
2.1.p	1.21	Wetting and Drying Cycles, the Influence of Fluctuations in Water Content on Creep and Undrained Shear Strength	Maria Konstantinou
2.1.p	1.22	Evolution of Geotechnical Properties of Dredged Sediment During Ripening	Nazeir Elnaker
2.1.p	1.23	Coupling Natural Compaction and Groundwater Withdrawal-Related Subsidence in Deltaic Areas	Artur Guzy
2.1.p	1.24	Non-Linear Long-Term InSAR-Derived Land Subsidence in River Deltas: The Mekong Delta, Vietnam, Case Study	Artur Guzy
2.2 Low-lying countries and soft soils – coasts and rivers, Joep Storms, Tom de Gast			
2.2.p	1.26	Mechanical Characterization of Tidal Marshlands: Insights From Different Scale in Situ Loading Experiments	Claudia Zoccarato
2.2.p	1.27	Riverbank Protection Designs and Performance Evaluation in the Niger Delta, Nigeria	Tamunoene Abam
2.2.p	1.28	A Transferable Framework for Integrating Remote Sensing and Field Data to Assess Hydro-saline Soil Risk in arid Coastal Cities	Abazar M. A. Daoud
2.2.p	1.29	To Dredge or Not to Dredge: Data-Driven Feature Engineering of Side Channels	Yair Roorda
2.2.p	1.30	Inventory and Characterization of Hard Coastal Defenses in the Municipality of La Costa, Buenos Aires Province, Argentina	Florencia Victoria Lopez Marcomini
2.2.p	1.o.5 (online)	Soft Deltaic Sediment Characterisation for Infrastructure and the Environment: Examples from the Niger Delta, Nigeria	Akaha Tse
2.2.p	1.o.6 (online)	K-Means Clustering Analysis of Long-Term ERT Monitoring on a River Embankment: An Exploration Tool to Detect Anomalies from Seasonal Weather Cycles	Arthur Halleux

5.1 Responsible Use of subsurface – underground, Fanny Descamps, Kurosch Thuro, Helen Reeves			
5.1.p	1.32	Geotechnical Conditions for Construction in the Belgrade Metro Line One „Sava Alluvium“ Section	Dragoslav Rakic
5.1.p	1.33	Disaggregable Metagabbro Encountered During Tunnel Excavation: Tests for its Geological and Geotechnical Characterizaiton	Wilson Iyomasa
5.1.p	1.34	Experimental Study of Surface Subsidence from Shallow Tunnel Excavation	George Xiroudakis
5.1.p	1.35	Weathered and Unweathered Consolidated Clay in Tunnel, Changes of Physical Properties	Edina Bartakovics
5.1.p	1.36	Hydrogeochemical Characteristics of Shallow Water in the Gushan Tunnel Area and Implications for Tunnel Engineering	Changwen Hu
5.1.p	1.37	Application of Geological Models in the Project Study of the Lamiako Underwater Tunnel in Biscay (Spain)	José María de Ortuzar
5.1.p	1.o.7 (online)	Squeezing Prediction in Rohtang Tunnel Through Semi-Analytical Approaches	Ashwani Jain
5.1.p	1.o.8 (online)	An Insight into Water Curtain Efficiency in Underground Unlined Hydrocarbon Storage Caverns	Debasish Biswas
5.1.p	1.o.9 (online)	Structural Large Deformation in Deep Hard Rock: Phenomenon Characteristics, Failure Mechanisms, and Evolutionary Laws	Faquan Wu
7 Engineering Geology for the Preservation of Heritage, Jean David Vernhes, Dominique Ngan-Tillard			
7.p	1.39	Ultrasonic Analysis of the Parthenon’s Structural Stones and Grouted Joints	C. Loupasakis
7.p	1.40	Investigation of the Weathering of Granite Building Stone by Salt Spray	Maria Heloisa Frascá
7.p	1.41	Geological Domains of Building Stones in Heritage Monuments in India	Vinod Kumar Sharma
7.p	1.42	Landslide hazard and risk assessment for conservation of underwater cultural heritage: a case study of the Green Island No. 1	Huai-Houh Hsu
7.p	1.43	Forecasting Long-Term Creep in Valkenburg Calcarenite Mine Pillars: A Comparative Study of LSTM and Long Expressive Memory Models	Nikolaos Antoniadis
7.p	1.44	Historical Mining Plans – Their Preparation and interpretation.	Scott O'Neill
7.p	1.45	Long-term Preservation Strategies for Cultural Heritage on Active Landslides using Advanced Remote Sensing Technologies	Shintaro Yamasaki
7.p	1.46	Geodiversity and Urban Heritage: Identifying Vulnerable Areas through Spatial Interpolation using Geodiversity Index	Denise Balestrero Menezes
7.p	1.47	Military Open Science for Coastal Heritage: From a Sustainable Monitoring Practice Towards a Preservation Policy Toolkit.	Georgios Drosos
7.p	1.48	Natural Heritage Sites in Climate Changing Conditions, Example of the Devils Town (Serbia)	Miloš Marjanović
7.p	1.49	Weathering-Induced Changes in Khondalite: An Implication to Assessing Deterioration of Ancient Structures at Ratnagiri (Odisha, India)	Arindam Basu
7.p	1.50	Engineering Geological Characterization of Athagarh Sandstone for Heritage Conservation	Subhasmita Behera
7.p	1.51	Surface Strength Test of Stones, Application of Duroskop	Ákos Török
7.p	1.52	Mechanical Degradation and Microstructural Evolution of Volcanic Tuff and Sandstone under Water Saturation and Freeze-Thaw Cycles	Rami Moghrabi
9 Boosting Engineering Geology, Ann Williams, Tümay Kadakci Koca, Efstratios Karantanellis			
9.p	1.55	Numerical simulation of gravity effects on lunar soil	Xiaokun Hou
9.p	1.56	Engineering-Geological Assessment and Landslide Risk Mitigation along the famous Odontotos Railway in the Vouraikos Gorge, Greece	Maria Michalopoulou
9.p	1.57	Didactical Practices in Engineering Geology with Digital Maps: Expanding Integration with the Local Environment	Denise Menezes
9.p	1.58	Is Geology Still a Male-Dominated Science? An Analysis of Gender Parity in Geology and Geological Engineering Programs in Brazil	Cibele Cláuver
9.p	1.59	Development of Reduced-Scale 3D Printed Physical Models for Geophysics Education in Engineering Geology	Cibele Cláuver
9.p	1.60	Promoting Engineering Geology Through Youth Engagement, Communication, and Professional Advocacy in Nigeria	Precious Awonge
9.p	1.o.10 (online)	Design-Oriented Role of Engineering Geology in Himalayan Hydropower Projects	Kshitij Thakur

Pitched Poster Sessions

Wednesday 4 November 9:00-13:00

Frans van Hasseltzaal

Session	#	Title	Presenter
1.2 Ground Modelling and Characterization – Soils, Wei Wu, Frederic Collin, Maria Konstantinou			
1.2.p	2.1	Engineering Characterization of Soil Properties and Embankment Using Finite Element Analysis in Relation to Infrastructural Development	Afolabi Olaniyi Adebayo
1.2.p	2.2	Characterizing the Deformation of Lumpy Fills Using Micro-CT Scanning	Miguel Cabrera
1.2.p	2.3	Characterization of Intrinsic Properties of Sand Using CT-Scan Image Analysis	Leon Van Paassen
1.2.p	2.4	CT Scanning of Collapsible Soils: Proof of Concept	Rebecca Briant
1.2.p	2.5	Physicochemical Characterization of Tropical Soils in the Central Region of the Greater Metropolitan Area (Costa Rica)	Yahaira Saldaña Jara
1.2.p	2.6	Complexities in coupled processes in clay soils: evaluating the residual shear strength	Gianvito Scaringi
1.2.p	2.7	Hydration-Induced Swelling of High-Speed Railway Subgrades on Red-Bed Mudstone and Deformation Control Using a Pile–Slab System	Shufan Zhang
1.2.p	2.8	The Trinity Water-Discontinuity-Clay minerals (WDC)	Yasemin Leventeli
1.2.p	2.o.1 (online)	Effects of Grain Crushing on the Geotechnical Properties of Soils with Varying Mineralogy.	Olubunmi Owoyemi
1.2.p	2.o.2 (online)	Fractal Morphology of Calcareous Sand	Yutang Chen
3.1 Geohazards – Lessons learned from Landslides around the world, Ranjan Dahal, Irene Manzella			
3.1.p	2.10	Hazards Triggered by Geological Phenomena in Georgia	George Gaprindashvili
3.1.p	2.11	Reactive managed retreat from landslide hazards - lessons from the Auckland storms of 2023	Ross Roberts
3.1.p	2.12	Development of a Landslide Hazard Map with the Participation of Local Residents: A Case Study from Mountainous Regions in Japan	Makoto Matsuzawa
3.1.p	2.13	Shallow-Seated Landslide Susceptibility and Hazard Assessment in Volcanic Edifices: A Chilean Case Study, the Llaima Volcano.	Alejandra Serey
3.1.p	2.14	Distribution Features and Formation Mechanisms of Large Landslides Along the Yalong River of China	Renmao Yuan
3.2 Geohazards - Landslide modelling, Silvia Bianchini, Luca Schiliro			
3.2.p	2.15	A Method for Estimating the Potential Damage Zone of Debris Flow using a Random Walk Model	Young-Suk Song
3.2.p	2.16	Enhancing Landslide Susceptibility Modelling by Incorporating a Probabilistic Physical Model for Non-Landslide Sample Selection	Hyuck-Jin Park
3.2.p	2.17	Applying Weight of Evidence Analysis in Geohazards Assessment: An Example for Prediction of Long Runout Landslides	Paul Santi
3.2.p	2.18	Fabric-Replicated Modeling and Macro-Mesoscopic Identification of Irreversible Critical State for Rainfall-Induced Redbeds Landslides	Cuiying Zhou
3.2.p	2.19	Control of Catchment Hypsometric Integral on the Spatial Distribution of Coseismic Landslides	Xiaoli Chen
3.2.p	2.20	Seismic Landslide Controls and Transferable Probabilistic Assessment Modeling in Taiwan: Insights From the Chi–Chi and Hualien Earthquakes	Renmao Yuan
3.2.p	2.21	A Novel PLS-FR-Entropy Framework for High-Accuracy Landslide Susceptibility Modeling	Sumit Das
3.2.p	2.22	Network Disruption Under Cascading Geohazards: A Transport Modelling Framework for combined Landslide and Flood Risk	Rachel Doley
3.2.p	2.23		Khuram Shehzad
3.2.p	2.o.3 (online)	Numerical Analysis of the Ngouache Iv Landslide (Bafoussam, Cameroon) Using ABAQUS: Influence of Geotechnical Parameters	Agostiny Marrios Lontsi
3.2.p	2.o.4 (online)	From Cloudburst to Disaster: Modeling Debris Flow Dynamics in Bayshonai Kalay, Buner District, Khyber Pakhtunkhwa, Pakistan	Aamir Hameed
4 Engineering Geology in the Energy Transition, Phil Vardon, Anne-Catherine Dieudonné, Antonio Dematteis			
4.p	2.25	Determination of the Hydraulic Conductivity of Sandstone using Triaxial Permeability Tests – Applicability and Challenges	Szu-Han Chen
4.p	2.26	Assessment of Shallow Geothermal Capacity for Urban Heating and Cooling. a Case Study From the 'Shallow Geothermal Potential Maps' project.	Marta Szlasa
4.p	2.27	Criteria and Methodology for Locating Underground Thermal Energy Storage in the Soil and Rock Mass Using Closed Systems	Mateusz Żeruń
4.p	2.28	Assessment of geological and engineering conditions in a selected area of the southern Baltic Sea: A Case study of the Baltica 2 OWF in Poland	Monika Szabłowska
4.p	2.29	Dynamic analysis of geospatial information using GIS for the selection of renewable energy sites in Korea	Hyeong-Dong Park
4.p	2.30	Performance of High-Temperature Aquifer Thermal Energy Storage under Layered Geological Conditions: Effects of Density Compensation	Yifan Li
4.p	2.31	A Standardized InSAR Workflow for the Monitoring of Underground Gas Storage Operations	Gabriele Fibbi
4.p	2.32	Experimental Characterization of the Thermal and Mechanical Properties of the Cutter Soil Mix Wall Material	Marco Gerola

4.p	2.33	Geomechanics of Low-mature Continental Shale under Real-time High-temperature Heating-Loading Coupling Conditions	Beixiu Huang
4.p	2.34	Cross-scale fracture development around deep geothermal wellbores in the North Alpine Foreland Basin, SE Germany	Justin Mattheis
4.p	2.35	Investigation Shaft for Testing the Foundation Bedrock, Patagonia Hydropower Project.	Julia Löffler
4.p	2.36	Characteristics of Deep Dutch Clay Formations Derived From Laboratory Measurements and Geophysical Logging Data	Vidushi Toshniwal
4.p	2.37	Numerical Forward and Inverse Simulation of Heat Production and Heat Storage in Heterogeneous Targets	Alexandros Daniilidis
4.p	2.o.5 (online)	Revival of an Abandoned Hydropower Project: Challenges, Adaptive Strategies and Learnings from the 120 MW Rangit-IV Project, Sikkim, India	Radhendra Narayan Sahoo
5.2 Responsible Use of the (Sub-)Surface – Infrastructure			
5.2.p	2.38	Quantitative Risk Analysis of Cliff Instability Hazards Impacting Coastal Infrastructure and Communities	Anya Champagne
5.2.p	2.39	How the Application of the Observational Method Can Help Optimize the Supports: Three Examples of Projects in Luxembourg	Tiffany Hennebaut
5.2.p	2.40	Significance of Geomodel Study in Engineering Projects	Ilyas Yilmazer
5.2.p	2.41	State-of-the-art Ground Understanding for Modern Need Urban Development on the Deltaic Soils of Zuidplaspolder, Netherlands	Ruud Steenbakkers
5.2.p	2.42	Environmental Sustainability of Heavy Industry Mega Construction Integration Fabrication Yard and Quay Wall Project on Immediate Surrounding at Apapa	Afolabi Olaniyi Adebayo
5.2.p	2.43	Application of Monitoring-Guided Controlled Grouting Uplift Technology for Green and Low-Carbon Tilt Correction of High-Rise Buildings	Tenghao Cui
5.2.p	2.o.7 (online)	Greenfield Finite Element Modelling for Damage Assessment of Axially Rigid Buildings under Groundwater-Driven Slope Movements	Davide Luongo
5.2.p	2.o.8 (online)	Mitigating Reservoir Leakage Risks in Buried Glacial Channels through Multistage Grouting - A Case Study of Parbati Power Station Stage-II, India.	Sumit Dabral
8 Engineering Geology in the Digital transition and AI Revolution, Lovorka Libric, Efstratios Karantanellis, Ashok Dahal			
8.p	2.45	Combining LinkNet and Fourier Neural Operator with GPU Accelerated Computing to Forecast Rock Avalanche Motion	Guotong Deng
8.p	2.46	Probabilistic Assessment of Rainfall-Triggered Landslides through Gumbel Distribution and Machine Learning Modeling	Paraskevas Tsangaratos
8.p	2.47	Deep Learning-Based Landslide Susceptibility Mapping Using 1D-CNN and Geospatial Data	Paraskevas Tsangaratos
8.p	2.48	V-ROCK, a Virtual Reality Tool to Teach Rock Mass characterisation.	Dominique Ngan-Tillard
8.p	2.49	Enhancing Offshore Geotechnical Data Interpretation through AI-Based Outlier Detection: A Case Study on CPT in Wind Farm Development	An-Jui Li
8.p	2.50	Machine Learning-Based Prediction of Thermal Properties of Soils Using National PGI-NRI Thermal Database	Mateusz Żeruń
8.p	2.51	Sequential Bayesian framework for embankment settlement forecasting: automating the observational method	Kevin Briggs
8.p	2.52	Engineering-Geological Database (BDGI) - the biggest geotechnical dataset for urban areas in Poland	Aneta Horbowicz
8.p	2.53	Enhancing Subsurface Model Flexibility through Telescopic Integration and Physics-Informed Machine Learning	Jose Rodriguez
8.p	2.54	Estimating 3D shallow S-wave velocity models from geophysical data based on deep neural network	Koichi Hayashi
8.p	2.55	Predicting Drought-Induced Desiccation Cracks in Regional Dykes Using Random Forest Models	Tom de Gast
8.p	2.56	Undocumented Decisions: The Hidden Risk of AI in Geotechnical Practice	Ward Vandepitte
8.p	2.57	Hybrid Methodology for Landslide Prediction Integrating Geotechnical Numerical Analyses, Satellite Remote Sensing Data and Machine Learning Algorithms	Sotiris Petrou
8.p	2.58	AI-Assisted Integration of Geological, Geotechnical and Geophysical Data for Subsurface Interpretation, Prediction and Decision Suppor	Michael Spevak
8.p	2.59	AI-Based Prediction of Bulk Density and UCS from Rock Sample Photos: Validation Against Laboratory Measurements for Granite and Limestone	Mohammad Bani Yasin
8.p	2.60	Non-Destructive Prediction of Marl Unconfined Compressive Strength Using Ensemble Machine Learning Models	Fawad Sheikh

Pitched Poster Sessions

Wednesday 4 November 13:30-17:30

Frans van Hasseltzaal

Session	#	Title	Presenter
1.4 Ground Modelling and Characterization – Site Investigation and Field Techniques, Nico Parasie, Patrik Vidstrand, Lionel Delhaye			
1.4.p	3.1	Estimation of Groundwater Seepage Velocity on Slopes by Continuous Electrical Resistance Tomography Method	Chihping Kuo
1.4.p	3.2	Muon Imaging in Engineering Geology: New Applications of Cosmic Ray Technology	Tommaso Beni
1.4.p	3.3	Cradle-Induced Variability in Ultrasonic Pulse Velocity Measurements: A Comparative Study of Support Materials	Cibele Cláuver
1.4.p	3.4	Non-Invasive Seismic Subsoil Imaging for Practical Applications	Silvia Castellaro
1.4.p	3.5	When Do Boreholes in Unconsolidated Sand Formations Fail?	Tessel Grubben
1.4.p	3.6	Integrated Geophysical Investigation of Aquifers in Glacial Burried Valleys. Case study from Central Poland.	Piotr Wilkolazki
1.4.p	3.7	Engineering Geologic Investigation for Planning Tejon Ranch Mountain Village, a 140 km2 Proposed Resort Community in Kern County, Southern California	Eldon Gath
1.4.p	3.8	Correct Interpretation of Inclinometer Measurements Even at Great Depths. Several Years of Experience Acquired with a Robotic Inclinometer System	Paolo Allasia
1.4.p	3.9	Field Hydraulic Conductivity Test in Clayey Soils: Evaluation Aquifer Recharge Challenges	Marcos Musso
3.11 Geohazards - Karst and Erosion, Louis van Rooy, Dora Carreon-Freyre			
3.11.p	3.11	Deformation and Water Loss in Volcanic Valleys of Central Mexico: Geomechanical Analysis and Soil Conservation of Lacustrine Soils	Dora Carreon-Freyre
3.11.p	3.12	Green and Low-Carbon Tilt Correction of a High-Rise Building on Karst Ground Using Controlled Grouting-Induced Uplift	Xuedong Cui
3.11.p	3.13	Monitoring-Guided Controlled Uplift by Compaction Grouting for Green and Low-Carbon Tilt Correction of a High-Rise Building on Soft Ground	Xuedong Cui
3.11.p	3.15	Seepage Assessment and Grouting Strategy in Karstified Limestone at Zemakān Dam Using Integrated Field Investigations and 3D Numerical Modeling	Hosein Javaheri
3.11.p	3.o.1 (online)	A Novel Data-Graphics Integrated Method for Quantifying Macro-laws Analysis of Karst Morphology Based on Borehole Data	Zongyun SHU
3.6 Geohazards - Rock Falls: Field Characterization, Monitoring and Zoning, Maddalena Marchelli, Harry Saroglou			
3.6.p	3.17 (online)	Engineering-Geological Features of Tectonogenic Rock	Omar Kutsnashvili
3.6.p	3.18	Remote sensing capability for rock mass characterization in active rock fall areas	Sina Fatolahzadeh
3.6.p	3.19	Remote rockfall assessment using publicly available imagery: the 2014 South Tyrol incident	Pavlos Asteriou
3.6.p	3.20	Mechanical and Microstructural Characterization of Deformed Volcaniclastic Rocks from the Lower Comondú Group, Baja California Sur, México.	Mariano Cerca Martinez
3.6.p	3.21	A Comparative Slope Stability Analysis Using Empirical Methods in Kumaun Himalaya, Uttarakhand, India	Rahul Kumar Verma
3.6.p	3.22	Rockfall monitoring design and initial results from an alpine rock-slope laboratory (Tyrol, Austria).	Hannah Andlinger
3.6.p	3.23	Structural Controls on High-Alpine Rock Slope Failures in Heavily Fractured Metamorphic Rocks (Tyrol, Austria)	Christoph Hollinger
3.6.p	3.24	Volume-Class Correlation of Rockfall Frequency With Overhang Geometry	Olga Mavrouli
3.6.p	3.o.2 (online)	A Low-Cost Camera–YOLO Framework for Fully Automated Rock Instability Hight Precision Displacement Measurement	Ruoshen Lin
3.7 Geohazards - Rock Falls: Modelling Mechanics and Mitigation, Olga Mavrouli, Christian Zangerl			
3.7.p	3.25	A combined laboratory method for studying the failure mechanism of structurally complex rocks from Greece	Dimitris Pepas
3.7.p	3.26	Comparison of Numerical Rockfall Modeling Methods: Case Studies in Central America and Mexico	Adrian Marchena Mora
3.7.p	3.27	Engineering-Geological Controls on Coastal Rockfall Revealed by Calibrated Explainable Probabilistic Modeling	Eunju Jeong
3.7.p	3.28	Numerical Modelling of the Stability of Rocky Cliff	Antonio Fiorentino
3.8 Geohazards - Multihazards and Risk Assessment, George Gaprindashvili, Irene Manzella			
3.8.p	3.30	Prediction Models for Post-Fire Debris Flow Susceptibility and Debris Flow Volume in Yajiang County, Sichuan, China	Xiewen Hu
3.8.p	3.31	Landslide hazard mapping in Tbilisi (Georgia)	George Gaprindashvili
3.8.p	3.32	An Overview of Landslides in Volcanic Rocks of West Java, Indonesia: Causes, Triggers, and Impacts	Misbahudin Misbahudin
3.8.p	3.33	An Overview of The Natural Hazard Risk Atlas of the Tibetan Plateau and Adjacent Mountains	Chenxiao Tang
3.8.p	3.34	Risk Reduction Municipal Plan in Brazil – the Case Study of João Monlevade, Minas Gerais	Eduardo Marques
3.8.p	3.35	Spatiotemporal Monitoring of Post-Fire Slope Erosion Using SBAS-InSAR in Zirang Gully, Sichuan, China	Xiewen Hu
3.8.p	3.36	Optimizing a Prediction Model for Engineering Disturbance Hazard susceptibility in the Qinghai-Tibet plateau	Zhiqing LI

3.8.p	3.37	Comparative Controls of Coseismic Landslides in Two Strike-Slip Earthquakes: Insights From the 2017 Jiuzhaigou and 2022 Luding Events	Xiaoyi Shao
3.8.p	3.38	An SPH Framework for Simulating the Landslide–Damming–Breaching–Flood Cascading Hazard With Heterogenous Materials	Ming Peng
3.8.p	3.39	Geological Hazard Team in Central Chile: Contributions to Cascading Geological Risk Management with a local scale and an Interdisciplinary Perspective	Alejandra Serey
3.8.p	3.40	From Risk Area Mapping to Engineering Design: A Methodological Path	Alessandra Cristina Corsi
3.8.p	3.o.3 (online)	Geological Risk Assessment on Villages at North Lisbon Area	Filipe Telmo Jeremias
3.9 Geohazards - Climate Change Hazards, Suzanne van Eekelen, Paraskevas Tsangaratos			
3.9.p	3.42	Mapping Hydrological Risk in Brazilian Cities: The Cases of São Paulo and Itaquaquecetuba	Ana Elisa Silva de Abreu
3.9.p	3.43	Multiscale Damage Evolution and Topological Connectivity Degradation of Luohe Sandstone Subjected to Freeze-Thaw Cycles	Zhaoyue Yu
3.9.p	3.44	UK shrink–swell hazards under climate-change-driven weather extremes	Emily Gammon
3.9.p	3.45	Is Climate Change Altering the Stability Image of Slovakia?	Rudolf Tornyai
3.9.p	3.46	Quantitative Assessment of Weathered Slope Soil Strength during Rainfall-runoff Processes	Ailan Che
3.9.p	3.47	Data Fusion for Modelling the Bed Topography of a Rock Glacier	Erika Prina Howald
3.9.p	3.48	Rainfall Induced Landslide Behaviour and the Implications of Climate Change on the Undercliff, Isle of Wight, UK	Claire Czarnomski
5.3 Responsible Use of (Sub-)Surface – Aggregates and Const. Materials, Atiye Tuğrul, Björn Schouenborg, Isabel Fernandes			
5.3.p	3.50	Microstructural Origins of Volumetric Instability in BOF slag	Gabriel Mohallem
5.3.p	3.51	Application of Scheelite Residues as a Components in Soil-Cement Mixture for Base Pavement Layer	Maria Ingunza
5.3.p	3.52	Using concrete plant waste as reclaimed aggregates in concrete: new opportunities	Emeric Dutranoit
5.3.p	3.53	Assessment of Environmental Impacts of Limestone Aggregate Mining with the Life Cycle Approach	Murat Yılmaz
5.3.p	3.54	Failure Mechanism Analysis of Granite-Backfill Bio-Composites Under Hydromechanical Cyclic Loading: Implications for subsurface Infrastructure	Xin Yu
5.3.p	3.55	Characterization and Evaluation of the Refractory Properties of Kitibi Clay Deposits, Iwo, Southwestern Nigeria	Olaniyi Afolabi Adebayo
5.3.p	3.56	Sustainable Application of Calcium Carbide Residue and Lime for Stabilisation of Soft Marine Clay: Strength and Microstructural Analyses	Tamunoene Abam
5.3.p	3.57	Limestone is Superior to Hard Rocks in Asphalt and Concrete	Ilyas Yilmazer
5.4 Responsible Use of (Sub-)surface – Mining, Siefko Slob, Scott O'Neill, Oscar Mooijman			
5.4.p	3.59	Evaluating the Geological Setting and Mechanical Behavior of Iron Ore Tailings for Sustainable Filtered Stacking Disposal Design	Adam Horst
5.4.p	3.60	Improved Methodology for Post-Mining Risk Assessment in Wallonia (Belgium) and Application to Former Mining Areas	Ali Kheffi
5.4.p	3.61	Rheological Behavior of Grouted Sand Aquifers in Mitigating Mining-Induced Groundwater Hazards	Wanghua Sui
5.4.p	3.62	Risk Assessment of Water-Sand Mixture Inrush in Deep Mining Based on 3D Geological Modeling	Wanghua Sui
5.4.p	3.63	Fault-Influenced Overburden Deformation in a Steeply Dipping Submarine	Fengshan Ma
5.4.p	3.64	Integrated Geomechanical and Geohydrological Assessment of Quarry Floor Stability in the ENCI Limestone Quarry (The Netherlands)	Richard Rijkers
5.4.p	3.o.4	Multi-Hazard Assessment for Man-Induced Geohazard – Cavity Collapse and Fooding Hazards	Marwan Al Heib

Pitched Poster Sessions

Thursday 5 November 9:00-13:00

Frans van Hasseltzaal

Session	#	Title	Presenter
1.3 Ground modelling and characterization – Rocks, Ákos Török, Lihui Li, Ophelie Fay			
1.3.p	4.1	Evaluation Methods for Loosened Rockmass Confirmed at the Damsite in Japan	Kazumi Yasumoto
1.3.p	4.2	Permeability Depth-Relation of Rock Mass: Based on Laboratory Measurements and Geophysical Logging	Jia-Jyun Dong
1.3.p	4.3	Dynamic Evolution of Connectivity in Multi-Cluster Fracture Networks: A Novel Quantitative Framework for Engineering Geology Applications	Shengwen Qi
1.3.p	4.4	Could the Hydro-Mechanical Behavior of Rock Joints Be Evaluated Using the JRC? Viewpoints Based on Joint Aperture Measurements of 3D-Printed Joints	Tan-Minh Le
1.3.p	4.5	Assessment of deformation modulus by empirical methods in Nepal Himalaya	Kanchan Chaulagai
1.3.p	4.6	Assessment of Lithological Layers for a Shallow Foundation Using Integration Investigation at Igbobi Boys College, Yaba, Lagos, South-Western, Nigeria	Afolabi Olaniyi Adebayo
1.3.p	4.7	Static versus Dynamic Elastic Moduli in Gneiss: A Comparative Study for Geotechnical Characterization	Cibele Cláuver
1.3.p	4.8	Mechanism of Strength Attenuation in Gypsum Rock under Water-Rock Interaction	Mo XU
1.3.p	4.9	Field Assessment of Rockfill Density Using a Water Replacement Method in Test Pit: A Case Study	Erdenetsetseg Altangerel
1.3.p	4.10	Stochastic 3D Discrete Fracture Network Modeling from Sparse Outcrop Data: A Methodological Framework	Jiwon Yun
1.3.p	4.11	Physical and Mechanical Characterization of Anisotropic Rocks	Isabel Fernandes
1.3.p	4.12	Bedding-Perpendicular Fracture and Mechanical Mechanism of Soft-Hard Interbedded Rock Mass	Han Bao
1.3.p	4.13	Disintegration Mechanism and Mode Transformation of Red-Bed Mudstone Under the Coupling of Multiple Factors Based on a Novel Disintegration Apparatus	Qiangbing Huang
1.3.p	4.14	Borehole Exploration of Qatar's Subsurface: Physical and Mechanical Characteristics of Rocks and Soils	Mohammad Bani Yasin
1.3.p	4.15	New Engineering Classification of Weak, Fault Rocks	Vasileios Kallimogiannis
1.3.p	4.16	The Effect of Ring Thickness on the Circumferential Direct Tensile Strength of Rocks: Based on Experiments and DEM Numerical Simulations.	Mengqian Tian
Special session - Einstein Telescope, Hannes Claes, Lorenzo Lipparini			
10.1.p	4.18	Defining a 3D Geological and Geophysical Model for the Einstein Telescope Site at Sos Enattos (Sardinia)	Francesco Maesano
10.1.p	4.19	Energy Tunnel Assessment for the Einstein Telescope in the Euregion Meuse-Rhine (EMR-ET)	Antonio Dematteis
10.1.p	4.20	Geotechnical Framework of Tunnels, Caverns and Shafts of the Einstein Telescope in the Euregion Meuse-Rhine (ET-EMR)	Antonio Dematteis
10.1.p	4.21	Assessment of the Lusatian Granodiorite for the Construction of the Einstein Telescope	Peter Achtziger-Zupančič
10.1.p	4.22	Chemical And Mineralogical Evaluation of Potential Use of Excavated Materials for the Einstein Telescope Candidate Site of the EMR	Hannes Claes
10.1.p	4.23	Subsurface Geological Insights from Deep Boreholes in the Framework of the Einstein Telescope Feasibility Study (Belgium–Netherlands–Germany Border)	Antoine Gauffriau
3.10 Geohazards - Earthquake Engineering Geology, George Papathanassiou, Michael Whitworth			
3.10.p	4.25	Assessment of Earthquake Effects on Slope Stability: A Case Study	Sangki Park
3.10.p	4.26	Prevention Is More Beneficial Than Remedy: Earthquake	Ilyas Yilmazer
3.10.p	4.27	A Basic Study on the Acquisition and Analysis of Active Faults at Beokgae area in the Southeastern Korean Peninsula	yong Baek
3.10.p	4.28	Preliminary Consideration of the Relationship Between High-Boron Groundwater and Swarm Earthquakes in the Abu Volcanic Field, Japan	Takehiro Ohta
3.10.p	4.29	Risk Assessment in Road Corridors; the Case of National Route 32, Costa Rica	Sergio Mora Castro
3.10.p	4.30	Constraining Paleoseismicity Activity via Paleo-Landslide and Structural Analysis: Implications for Seismic Hazard in the Outer Western Carpathians	Thanh-Tùng Nguyễn
3.10.p	4.31	Numerical Assessment of Landslide–railway Interactions in the Earthquake-Induced Hazard Chains	Cheng-Han Lin
3.10.p	4.32	Preliminary Study on Enhancing Korea's Seismic Hazard Map and Design Standards through Quaternary Fault Information	Sung-Pil Hwang
3.10.p	4.33	Topographic controls on seismic wave amplification and landslide triggering: A case study in Totsukawa Village, Nara, Japan	Chi-Wen Chen
3.10.p	4.34	Damage Evolution Characteristics and Instability Mechanism of High-Elevation Shattered Rock Masses in the Wenchuan Meizoseismal Zone	Bo Liu
3.10.p	4.o.1 (online)	Are Earthquake Early Warning and Prediction Systems Effective, Useful and Applicable for Risk Management in Costa Rica?	Sergio Mora Castro
3.3 Geohazards - Landslide Characterization, Monitoring and Mapping, Malena D'Elia Otero, Sarah Boulton			
3.3.p	4.36	Research on the residual strength characteristics of landslide slip zone soil in reservoir areas based on ring shear testing	Zhihong Zhu

3.3.p	4.37	LNCC-LES Experimental Site in Petrópolis, Rio de Janeiro, Brasil	Claudio Amaral
3.3.p	4.38	Slope Geohazard Susceptibility Zonation Along a Mountainous Highway: A Case Study of the Sichuan-Tibet Highway, China	Yu Zou
3.3.p	4.39	Evolution of Shear Zone Materials in a Slowly Deforming Rock Slope: Mechanical Implications for Gámanjunni-3, Northern Norway	Andreas Grumstad
3.3.p	4.40	Study on the Formation Mechanism and Characteristics of Landslides in Different Watersheds on the Southeastern Tibet Plateau With GPS Data Constraints	Xiaoli Chen
3.3.p	4.41	Methodological Approaches for Risk Assessment in the Framework of Landslide-Bridge Interaction	Lorenzo Di Taranto
3.3.p	4.42	Geohazard-Induced Landslide: Stability Analysis and Engineering Perspectives, Case Study Applications and Insights.	Hamid Bagheri
3.3.p	4.43	Improvement of landslide investigation in deeply weathered ultramafites by parallelizing ERT with direct field observations	Kurosch Thuro
3.3.p	4.o.2 (online)	Multi-Temporal Assessment of Slope Reactivation and Dormancy in a Himalayan Catchment Using Rainfall Patterns	Anamika Sekar
3.4 Geohazards - Slope stability and Geotechnical Characterization, Anika Braun, ATM Shakhawat Hossain			
3.4.p	4.45	Geotechnical and Rheological Characteristics of Fine-Grained Sediments and Influencing Factors for Debris Flow Mobility	Sueng-Won Jeong
3.4.p	4.46	Influence of Giant-Particle Content on Reservoir-Induced Deformation of Soil–Rock Mixed Bank Slopes: A Physical Simulation Study	Da Zheng
3.4.p	4.47	A Case Study on Risk Analysis of Tailing Dam Failure Based on the MPM-DEM	qianqian li
3.5 Geohazards - Landslide Management and Stability Measures, Constantinos Loupasakis, Anika Braun			
3.5.p	4.48	Catastrophic Rainfall-Induced Landslide Thresholds to Disaster Prevention in the Chilean Andes.	Alejandra Serey
3.5.p	4.49	Prevention is More Beneficial than Remedy: Landslide	Ilyas Yilmazer
3.5.p	4.50	How to Better Link Landslide Inventory Mapping with Damage and Loss Reporting	Cees van Westen
3.5.p	4.51	Landslide Mitigation in Volumetric Sensitive Soils: Integrated Stabilization Design for the Kalibeng Formation	Nugroho Lindawati
6 Geo-Environmental Engineering, Julia Gebert, Timo Heimovaara, Leon van Paassen			
6.p	4.53	Using plants to improve bearing capacity of soft dredged sediments	Azad Goli
6.p	4.54	National-Scale Soil Erosion Risk Mapping in Zambia Using the Revised Universal Soil Loss Equation (RUSLE)	Nikolaos Antoniadis
6.p	4.55	Assessing the potential of Carbon Sequestration via Enhanced Rock Weathering in Costa Rica	Federico Rivera-Flores
6.p	4.56	Assessment of water quality in the Xichu-Laja River Basin using multivariate statistical analysis and water quality indices: a longitudinal study	Alma Hortensia Serafín Muñoz
6.p	4.57	Performance Evaluation of Chitosan-Treated Black Cotton Soil with Indigenous Bacteria via Bio-Cementation	Abhay Dhorey
6.p	4.o.3 (online)	Engineering Geological Properties of Effluent Contaminated Clay Soils and the Influence of Charcoal as Barrier Material	David Olalusi
6.p	4.o.4 (online)	Living Reefs, Engineered by Worms: Structural Performance of Sabellaria Alveolata	Dominique Ngan-Tillard