ENGINEERING GEOLOGY IN A RAPIDLY CHANGING WORLD

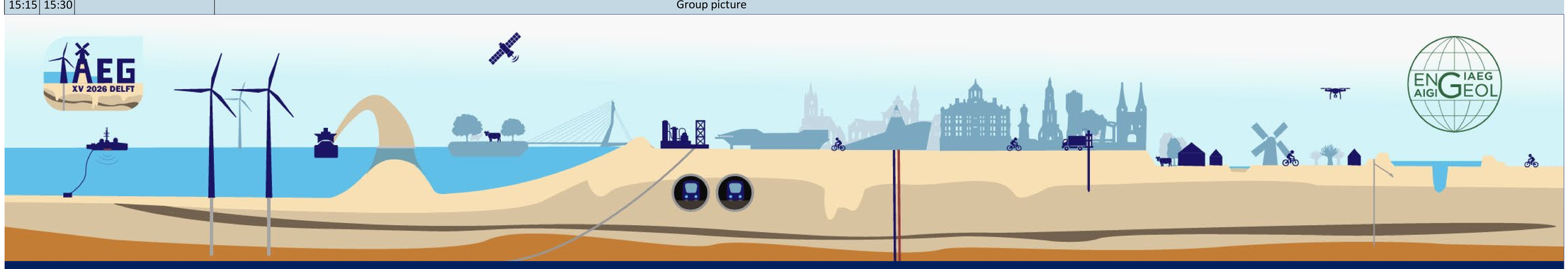
IAEG 2026 - XV WORLD CONGRESS

2 - 5 Nov 2026 | Delft, The Netherlands

Tentative program

TENTATIVE PROGRAMME - VERSION 15 Sept. 2026

Start	End	Monday 2 Nov.	Auditorium	Hall A	Hall B	Hall C	Hall D	Senaatszaal	Commissiekamer 3	Frans van Hasselt Zaal
08:00	21:30	Registration - Cloak room								
09:30	11:00	Plenary session	Opening Hans Cloos Medal Lecturer Atiye Tugrul : From Rock to Resource: Engineering Geology for a Sustainable and Resilient Built Environment Keynote Michiel van der Meulen : The Geology of the Netherlands or the Geology of the Dutch?							
11:00	11:30		Coffee break							
11:30	12:30	Plenary session	Keynote Xuanmei Fan : Earthquake and Climate Change Induced Cascading Hazards: Mechanisms and Prediction Keynote Chris Jackson : Can Engineering Geology Save the World?							
12:30	14:00		Lunch							
14:00	15:30	Parallel sessions	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	IAEG Commission 34 Marine engineering geology	
15:30	16:00		Coffee break							
16:00	17:30	Parallel sessions	3.2.1 Geohazards - Landslide Modelling	1.1.2 Ground Modelling and Characterization – Models and Maps	5.2.1 Responsible Use of the (Sub-)surface – Infrastructure	3.10.2 Geohazards - Earthquake Engineering Geology	5.1.2 Responsible Use of the (Sub)Surface – Underground	9.2 Boosting Engineering Geology - Young Engineering Geologists	tbd	
17:30	18:00		Transition to the YEG party							
18:00	21:00	Ticketed Event	YEG party							
Start	**End**	**Tuesday 3 Nov.**								
08:00	19:30	Registration - Cloak room								
09:00	10:30	Plenary session	Special session: Nepal - China Border Cascading Disaster. An IAEG Community Session of Solidarity, Reflection and Scientific Exchange.							
10:30	11:00		Coffee break							
11:00	12:30	Plenary session	Keynote Harry Saroglou: Engineering Geology Challenges and Risk Mitigation in Major Infrastructure Projects - Keynote Attah Fakeye: Building the Future from the Classroom: Innovative School–Geoscience Initiatives for Engineering Geology in Nigeria - Thrid keynote to be announced							
12:30	14:00		Lunch / Geolab tours							
14:00	15:30	Parallel sessions	Special session: They are Sliding Now! Three Landslides, Three Experts, Three Perspectives.	1.2.1 Ground Modelling and Characterization – Soils	5.3.1 Responsible Use of the (Sub-)Surface – Aggregates and Construction Materials	3.10.3 Geohazards - Earthquake Engineering Geology	5.2.2 Responsible Use of the (Sub-)surface – Infrastructure	5.4.1 Responsible Use of the (sub)Surface – Mining	IAEG Commission 25 Use of Engineering Geological Models	Oral Pitches & Posters 1.1 Ground Modelling and Characterization – Models and Maps 2.1 Low-lying Countries and Soft Soils – Subsidence 2.2 Low-lying Countries and Soft Soils – Coasts and Rivers 5.1 Responsible Use of the (Sub-)Surface – Underground 7 Engineering Geology for the Preservation of Heritage 9 Boosting Engineering Geology
15:30	16:00		Coffee break							
16:00	17:30	Parallel sessions	3.2.2 Geohazards - Landslide Modelling	1.2.2 Ground Modelling and Characterization – Soils	5.3.2 Responsible Use of the (Sub-)Surface – Aggregates and Construction Materials	3.9.1 Geohazards - Climate Change Hazards	6.1 Geo-Environmental Engineering	5.4.2 Responsible Use of (sub)surface – mining Glossop Award Lecture	IAEG Commission 25 Use of Engineering Geological Models	
17:30	18:00		Refreshments							
18:00	19:30	Plenary session	Glossop Medal Lecturer Ann Williams : Dewatering: Where Science and Art Meet							
19:30	22:00	Ticketed Event	Glossop dinner							
Start	**End**	**Wednesday 4 Nov.**								
08:00	18:00	Registration - Cloak room								
09:00	10:30	Parallel sessions	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	10.1 Special Session: Three Candidate Sites, Three Geological Models, One Einstein Telescope	IAEG Commission 28 Reliability Quantification of the Geological Model in Large Civil Eng. Projects	Oral Pitches & Posters 1.2 Ground Modelling and Characterization – Soils 3.1 Geohazards – Lessons learned from Landslides around the world 3.2 Geohazards - Landslide Modelling 4 Engineering Geology in the Energy Transition 5.2 Responsible Use of the (Sub-)Surface – Infrastructure 8 Engineering Geology in the Digital transition and AI Revolution
10:30	11:00		Coffee break							
11:00	12:30	Plenary session	Keynote Pietro Teatini : Mitigating (relative) Land Subsidence in Venice Through Deep Seawater Injections and Shallow Soil Disposal FedIGS lecture Lyesse Laloui : Carbon Dioxide Injection into Deep Aquifers: A Geomechanical Perspective							
12:30	14:00		Lunch / Geolab tours / The Great Story of Sint Sebastiaanburg for WEG and allies						Richard Wolters Prize Contest	
14:00	15:30	Parallel sessions	3.4 Geohazards - Slope Stability and Geotechnical Characterization	1.3.1 Ground Modelling and Characterization – Rocks	2.1.2 Low-Lying Countries and Soft Soils – Subsidence	7.1 Engineering Geology for the Preservation of Heritage	6.3 Geo-Environmental Engineering	10.2.1 Special session - Prestigious Projects and Advanced Technologies in China and Beyond		Oral Pitches & Posters 1.4 Ground Modelling and Characterization – Site Investigation and Field 3.6 Geohazards - Rock Falls: Field Char., Monitoring and Zoning 3.7 Geohazards - Rock Falls: Modelling Mechanics and Mitigation 3.8 Geohazards - Multihazards and Risk Assessment 3.9 Geohazards - Climate Change Hazards 3.11 Geohazards - Karst and Erosion 5.3 Responsible Use of (Sub-)Surface – Aggregates and Constuction Mat. 5.4 Responsible Use of (Sub-)surface – Mining
15:30	16:00		Coffee break							
16:00	17:30	Parallel sessions	3.5 Geohazards - Landslide Management and Stability Measures	1.3.2 Ground Modelling and Characterization – Rocks	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	10.2.2 Special session - Prestigious Projects and Advanced Technologies in China and Beyond	IAEG Commission 4 Education and Training	
17:30	18:00		Transition to the Festive Event							
18:00	22:00	Ticketed Event	Festive Event at Lijm & Cultuur							
Start	**End**	**Thursday 5 Nov.**								
08:00	16:00	Registration - Cloak room								
09:00	10:30	Parallel sessions	3.6 Geohazards - Rock Falls: Field Characterization, Monitoring and 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	10.2.3 Special session - Prestigious Projects and Advanced Technology in Europe	IAEG Commission 17 Aggregates	Oral Pitches & Posters 1.3 Ground modelling and characterization – Rocks 3.3 Geohazards - Landslide Characterization, Monitoring and Mapping 3.4 Geohazards - Slope stability and Geotechnical Characterization 3.5 Geohazards - Landslide Management and Stability Measures 3.10 Geohazards - Earthquake Engineering Geology 6 Geo-Environmental Engineering 10.1 Special session - Einstein Telescope
10:30	11:00		Coffee break							
11:00	12:30	Parallel sessions	3.7 Geohazards - Rock Falls: Modelling 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: Education	tbd	
12:30	13:30		Lunch / Geolab tours (-> 15:15)							
13:30	15:15	Plenary session	Closing ceremony : Richard Wolters Prize lecture IAEG & EnGeOlympics awards, Newly elected IAEG president, Congress chair							
15:15	15:30		Group picture							



www.iaeg2026.org
iaeg2026@tudelft.nl
(registration & logistics)
info@iaeg2026.org
(scientific progamme)

Tentative program - version 19 Oct. 2026

Monday 2 November

Auditorium

Chair	Title	Presenter
9:30-11:00 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
	IAEG President talk – Vassilis Marinos - Reporting on Four Years of Progress and Impact	Vassilis Marinos
	FedIGS president talk - Chungsik Yoo - Welcome message	Chungsik Yoo
	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	Vasilis Marinos, Jean-Alain Fleurisson, George Stoumpos
Vassilis Marinos	**Hans Cloos Lecture 2026 - From Rock to Resource: Engineering Geology for a Sustainable and Resilient Built Environment**	Atiye Tuğrul
Denise Maljers	**The Geology of the Netherlands or the Geology of the Dutch?**	Michiel van der Meulen
11:30-12:30 Keynotes lectures		
Vassilis Marinos, Daniele Giordan	**Paul Marinos Distinguished Lecture Tour Lecture 2025-2026: Earthquake and Climate Change Induced Cascading Hazards: Mechanisms and Prediction**	Xuanmei Fan
Helen Reeves	**Can Engineering Geology Save the World?**	Chris Jackson

Tuesday 3 November

9:00-10:30 Special session: They are Sliding Now! Blatten (Switzerland), Niscemi (Italy), and Petacciato (Italy): Three Landslides, Three Experts, Three Perspectives		
Cees van Westen, Xuanmei Fan	**Movement Mechanisms and Impact Range Assessment of High-Elevation Long-Runout Landslides in Southeastern Tibet**	Fawu Wang
	The 2026 Rasuwa Disaster: A Transboundary Rock–Ice Avalanche, Himalayan Tsunami, and Cascading Hazards	Ranjan Kumar Dahal
	Disaster Effects of Climate Change in High Mountain Asia	Cui Peng
11:00-12:30 Keynotes lectures		
Francisco Noguira de Jorge	**Bridging Geophysics and Geotechnical Engineering: Integrated Characterization of Rock Masses, Buried Structures and Earth Dams**	Cibele Cláuver
Shengwen Qi	**Engineering Geology Challenges and Risk Mitigation in Major Infrastructure Projects**	Haris Saroglou
Ann Williams	**Building the Future from the Classroom: Innovative School–Geoscience Initiatives for Engineering Geology in Nigeria**	Attah Fakeye

Wednesday 4 November

11:00-12:30 Keynotes lectures		
Esther Stouthamer	**Mitigating (Relative) Land Subsidence in Venice through Deep Seawater Injections and Shallow Soil Disposal**	Pietro Teatini
Anne-Catherine Dieudonné	**FedIGS Lecture 2026 - Kimberly-Clark Distinguished Lecture Award 2026 - Carbon Dioxide Injection into Deep Aquifers: a Geomechanical Perspective**	Lyesse Laloui

Thursday 5 November

14:00-15:30 Closing ceremony		
Dominique Ngan-Tillard	**Closing ceremony**	Dominique Ngan-Tillard
	IAEG awards: Honorary Membership and IRP-STA awards	Shenwen Qi, Helen Reeves
	Richard Wolters Prize lecture	To be announced
	IAEG 2026 awards logo, SI, Dike building contest awards, best 3 posters awards	Rik Hoedemaker
	IAEG 2026 in numbers and take home message	Leon van Paassen
	IAEG 2031 World Congress host	To be announced
	New IAEG president	To be announced
	Group picture	All

Monday 2 November

14:00-15:30 Oral sessions						
Room	**Auditorium**	**Hall A**	**Hall B**	**Hall C**	**Hall D**	**Senaatszaal**
Session	3.1 Geohazards – Lessons Learned from Landslides Around the World	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. Irene Manzella	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	**Using Artificial Intelligence to Review Historical Reports and Identify Anthropogenic Land Changes,** Ross Roberts	**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	**Women in Engineering Geology,** 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	**Monitoring Earthflow Displacements Using UAV Surveys and Offset Tracking Techniques: Case Studies from the Northern Apennines, Italy,** Francesco Lelli	**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	**Responsible Construction in Underground Works: More than just Sustainable Development and Engineering,** Nicholas Vlachopoulos	

Monday 2 November

16:00-17:30 Oral sessions						
Room	**Auditorium**	**Hall A**	**Hall B**	**Hall C**	**Hall D**	**Senaatszaal**
Session	3.2 Geohazards - Landslide modelling	1.1 Ground modelling and characterization – models and maps	5.2 Responsible Use of subsurface – surface infrastructure	3.10 Geohazards - Earthquake Engineering Geology	5.1 Responsible Use of subsurface – underground	9 Boosting Engineering Geology - Young Engineering Geologists
Moderators	Cees van Westen	Joost Gevaert, Jan Stafleu	Arjan Venmans, Agnes van Uitert	Michael Whitworth, Carolina Sigaran Loria	Kurosch Thuro, Fanny Descamps	
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,** Davide Luongo	**The Role of Excess Topography and Peak Ground Acceleration on Earthquake Preconditioning of Landslides,** Sarah Boulton	**From Geological Evaluation to Geotechnical Design: Integrating Rock Mass Behaviour in Tunnelling Without Sole Reliance on Classification Values,** Vassilis Marinos	**Early Career Initiatives of the Engineering Group of the Geological Society (UK),** Lily Drury
16:15		**Engineering Geological 3D Modelling Based on Photogrammetry and Field Investigations during Tunnel Excavation,** Petra Javornik		**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	**Exploring the Applicability of Three-Dimensional Limit Equilibrium Models for Landslide Susceptibility Analysis at the reservoir basin scale,** Elias Chikalamo	**Advancing 3D Subsurface Modeling for Emerging Societal Needs,** Denise Maljers	**Combining Cone Penetration and Geophysical Data for Site Characterization near a Railway,** Lexin Li	**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**
16:45	**Recent Experiences with the Slope Stability Probability Classification (SSPC),** Henri Robert G.K. Hack	**A Novel Approach for 3D Subsurface Modelling of the Subsiding Coastal Green Heart Area, the Netherlands,** Romée Kars	**Reliability-based Calibration of Characteristic Values for Railway Embankment Stability Assessment,** Wei Huang	**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	**Neural emulation of gravity-driven geohazard runout across diverse real-world landscapes,** Lorenzo Nava		**Concrete Over-Consumption in Non-Displacement Piles in Dikes Due to Concrete Pressure,** Majd Ahmad	**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	**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	**Windblown Sand Hazard Assessment and Protection for Linear Transport Infrastructure in Desert Regions,** Ross Fitzgerald	**Twenty-Five Years of Liquefaction Studies in Greece; From Susceptibility Assessment to Hazard Analysis,** George Papathanassiou	**Structural Large Deformation in Deep Hard Rock: Phenomenon Characteristics, Failure Mechanisms, and Evolutionary Laws,** Faquan Wu	

Tuesday 3 November

14:00-15:30 Oral sessions						
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 Geohazards - Earthquake Engineering Geology	5.2 Responsible Use of subsurface – surface infrastructure	5.4 Responsible Use of subsurface – Mining
Moderators	Irene Manzella, Paolo Tommassi	Frederic Collin, Maria Konstantinou	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,** Rutger Voeten	**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	**,**	**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

Tuesday 3 November

16:00-17:30 Oral sessions						
Room	**Auditorium**	**Hall A**	**Hall B**	**Hall C**	**Hall D**	**Senaatszaal**
Session	3.2 Geohazards - Landslide modelling	1.2 Ground modelling and characterization – soil characterization	5.3 Responsible Use of subsurface – aggregates and construction materials	3.9 Geohazards - Climate change hazards	6 Geo-environmental engineering	5.4 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	**A Holistic Approach to the Coal Aftercare: The Limburg Coal Mining District, in the Netherlands,** Joana Martins
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	**Effect of Cyclic Drying-Wetting on the Hydromechanical Behaviour of a Dutch Expansive Clay,** Maria Konstantinou	**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	**Laboratory Study of the Influence of Freeze-Thaw Cycles on Limestone - PermaPyrenees Project,** Alais Gaudry	**Engineering Geological Properties of Effluent Contaminated Clay Soils and the Influence of Charcoal as Barrier Material,** David Olalusi	**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	**,**	**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
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	**Dynamic glacial sediments contribute to debris flow activity in the eastern Himalayas, Tibet Plateau,** Jiao Wang	**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		**Effects of Root–Crack Dynamics on Soil Infiltration During the Growth Period Across Seasons,** Yuliana Yuliana	

Wednesday 4 November

9:00-10:30 Oral sessions						
Room	**Auditorium**	**Hall A**	**Hall B**	**Hall C**	**Hall D**	**Senaatszaal**
Session	3.3 Geohazards - Landslide characterization, monitoring and mapping	1.1 Ground modelling and characterization – models and maps	2.1 Low-lying countries and soft soils – subsidence	3.9 Geohazards - Climate change hazards	6 Geo-environmental engineering	10.1 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	**From Rock to Aggregate: Assessing Sustainable Use of Excavated Materials for the Einstein Telescope,** Ophélie Faÿ
9:15	**Advancing remote sensing for semantic landslide hazard mapping and monitoring,** Efstratios Karantanellis	**Seeing the Bigger Picture; Geological Ground Model Validation Through Site Comparison,** Gareth Carter	**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	**3D geological subsurface model as a supporting engineering tool for the Einstein Telescope study area in Sardinia (Italy),** Lorenzo Lipparini
9:30	**Accelerating Coastal Landslides in a Changing Climate: InSAR Analysis of The Undercliff Complex, Isle of Wight, UK,** Jennifer Scoular	**A Sub-Zonal Markov Random Field Framework for Regional Stratigraphic Modelling in Heterogeneous Basins,** Jia-Jyun Dong	**Deformations and Damage of Linear Infrastructure Caused by Peatland Subsidence – Mechanism and Case Histories,** Arjan Venmans	**Wetting-Drying Cycles and Cone Penetration Tests in Clay - How Does Seasonal Drought and Vegetation-Induced Suction Affect Clay Strength?,** Suzanne van Eekelen	**Hydrogeochemical Modeling of Metal Mobility in Mining-Impacted Reservoirs in Palo Colorado, Mexico,** Armando Guerrero Aguilar	**Reflection Seismic and Ambient Noise Measurements as Well as Seismic Modelling in Support of the Einstein Telescope,** Michael Kiehn
9:45	**Landslides in Motion: Smart Technology and Immersive Visualisations for Monitoring and Awareness,** Irene Manzella	**Evaluation of anthropogenic transformation of urbanized areas based on archival topographic maps and its impact on modeling of geological structure,** Adam Popławski	**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	**Geological Subsurface Studies for Einstein Telescope,** Geert-Jan Vis
10:00	**Geodetic Observation and Inversion of Slow-Moving Landslides.,** Ashok Dahal	**Bridging the Gap Between 3D Digital Mapping and Geomechanical Analysis of Fractured Rock Slopes,** Niccolò Menegoni	**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	**Seismic Interpretation in Support of 3D Modelling in the Euregion Meuse-Rhine for Einstein Telescope,** Jef Deckers
10::15	**Geological Investigation and Process Interpretation of a Landslide-Prone Area in Medellín, Colombia,** Kurosch Thuro	**3D ground modelling improving offshore data integration in complex post-glacial soils; case studies of the North Sea,** Noémie Volpilhac	**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	**Hydrogeological Characterization and Modelling as Part of the Feasibility Study of the Einstein Telescope in the EMR Region,** Philippe Orban
10:30						**Einstein Telescope - 3D Engineering Geological Model,** Manfred Thüring

Wednesday 4 November

14:00-15:30 Oral sessions						
Room	**Auditorium**	**Hall A**	**Hall B**	**Hall C**	**Hall D**	**Senaatszaal**
Session	3.4 Geohazards - Slope stability and geotechnical characterization	1.3 Ground modelling and characterization – rock characterization	2.1 Low-lying countries and soft soils – subsidence	7 Heritage	6 Geo-environmental engineering	10.2 Special session - Prestigious Projects and Advanced Technology in China
Moderators	Anika Braun, ATM Shakhawat Hossain	Ophelie Fay, Lihui Li, Ákos Török	Dora Carreon-Freyre, Kay Koster	Jean David Vernhes, Paolo Tomassi, Dominique Ngan-Tillard	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,** Yonggang Jia	**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,** Paolo Tomassi	**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

Wednesday 4 November

16:00-17:30 Oral sessions						
Room	**Auditorium**	**Hall A**	**Hall B**	**Hall C**	**Hall D**	**Senaatszaal**
Session	3.5 Geohazards - Landslide management and stability measures	1.3 Ground modelling and characterization – rock characterization	2.2 Low-lying countries and soft soils – coasts and rivers	7 Heritage	4 Energy transition	10.2 Special session - Prestigious Projects and Advanced Technology in China
Moderators	Constantinos Loupasakis	Ákos Török, Lihui Li, Ophelie Fay	Joep Storms, Tom de Gast	Paolo Tomassi, Dominique Ngan-Tillard	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,** Razvan Cosmin	**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

Thursday 5 November

9:00-10:30 Oral sessions						
Room	**Auditorium**	**Hall A**	**Hall B**	**Hall C**	**Hall D**	**Senaatszaal**
Session	3.6 Geohazards - Rock falls: field characterization, monitoring and zoning	1.4 Ground modelling and characterization – site investigation and field techniques	8 Digital transition and AI	3.8 Geohazards - Multihazards and risk assessment	4 Energy transition	10.2 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	**The Fehmarnbelt Tunnel Trench Dredging and Reclamation Project,** 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	**RiskChanges, a Web-Based Tool for Multi-Hazard Risk Assessment,** Cees Van Westen	**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	**Time-Series InSAR Analysis of Pre- and Post-Fire Erosion and Its Link to Changes in Soil Geotechnical Properties,** Tümay Kadakci Koca	**Borehole and Aquifer Thermal Energy Storage Developments and Opportunities,** Martin Bloemendal	

Thursday 5 November

11:00-12:30 Oral sessions						
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 Digital transition and AI	3.8 Geohazards - Multihazards and risk assessment	4 Energy transition	9 Boosting Engineering Geology
Moderators	Olga Mavrouli, Christian Zangerl	Louis van Rooy	Efstratios Karantanellis, Hyuck-Jin Park	George Gaprindashvili, Irene Manzella	Phil Vardon, Anne-Catherine Dieudonné, Antonio Dematteis	
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,** Alonso Otiniano	**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 Ge ology 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	**Investigating Land Subsidence in Qatar Due to Underground Cavity Collapse: Insights from Geological and PSI InSAR Data,** Constantinos Loupasakis	**Integrating Engineering Geological Data for Urban Geohazard Identification and Risk Mitigation of Thessaloniki's City, Northern Greece,** Aliki Kokkala	**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	**Data Driven Framework for Rainfall-Induced Landslides Dimension Assessment Using Machine Learning: Case Study from Northern Italy,** Massimiliano Bordoni	**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	**3D Rock Slope Monitoring with AI and a Single RGB Camera,** Ioannis Farmakis	**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	**,**		**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

Tuesday 3 November

13:30-17:30 Pitched Poster sessions

Frans van Hasseltzaal

Session	#	Title	Presenter
1.1 Ground modelling and characterization – models and maps			
1.1.p	1	Geological-engineering regionalization in Poland	Edyta Majer
1.1.p	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	3	Development Suitability on Mountainous Region in Kundasang, Malaysia	Azmawi Mohd Mazran
1.1.p	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	5	On the General Engineering-Geological Classification of Geological Processes and Phenomena	Omar Kutsnashvili
1.1.p	6	2D/3D Engineering Geological Modeling of Deep Foundation in Parts of Rivers State, Nigeria	Dickenson Daniel Hector
1.1.p	7	3D Geological Modeling and Engineering Geological Characterization of Shallow Subsurface Soil and Rock of Addis Ababa, Ethiopia	Biruk Wolde
1.1.p	8	Early-Stage Dynamic 3D Ground Modelling to Improve Offshore Wind Farm Site Investigation and Future Data Integration	Noémie Volpilhac
1.1.p	9	A GIS-Based Geoscience Framework for Sustainable Urban Planning: Integrating Ground Constraints and Geohazard Models in Kuala Lumpur, Malaysia	Elanni Affandi
2.1 Low-lying countries and soft soils – subsidence			
2.1.p	10	Stratified Behavior of Soft Soils in a Subsiding Urban Basin: A Case Study From Molino-Tezonco, Mexico City	Dora Carreon-Freyre
2.1.p	11	Spatial Land Subsidence Variations Due to Urbanization	Valentina Maoret
2.1.p	12	Anthropogenic Controls on Urban Ground Deformation: Insights From GPR Surveys in Querétaro, Mexico	Vania Ferrer-Parra
2.1.p	13	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	14	Geotechnical Data for Geological Characterization of Almere Pampus, the Netherlands	Romée Kars
2.1.p	15	Assessing Drought-Induced Subsidence Disruptions in the Dutch Railway Network	Gina Alexandra Torres-Alves
2.1.p	16	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	17	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	18	Integrating Subsidence Dynamics and Saltwater Intrusion in the Mekong Delta: A Numerical Modeling Approach for Sustainable Groundwater Management	Ahmed Sabbir
2.1.p	19	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	20	Experimental and Geomechanical Modelling Investigation on a Saltmarsh Restoration Project in the Venice Lagoon	Pietro Teatini
2.1.p	21	Modelling seasonal shrink-swell and saturated zone deformation of clay underneath buildings on shallow foundations	Henk Kooi
2.1.p	22	Monitoring subsidence and building vulnerability in Como, Italy: 30 years of InSAR	Nicoletta Nappo
2.1.p	23	The Untapped Potential of Geotechnical and Geological Data for Coastal Land Subsidence Research	Manon Verberne
2.1.p	24	Wetting and Drying Cycles, the Influence of Fluctuations in Water Content on Creep and Undrained Shear Strength	Maria Konstantinou
2.1.p	25	Evolution of Geotechnical Properties of Dredged Sediment During Ripening	Nazeir elnaker
2.1.p	26	Coupling Natural Compaction and Groundwater Withdrawal-Related Subsidence in Deltaic Areas	Artur Guzy
2.1.p	27	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			
2.2.p	28	Mechanical Characterization of Tidal Marshlands: Insights From Different Scale in Situ Loading Experiments	Claudia Zoccarato
2.2.p	29	Riverbank Protection Designs and Performance Evaluation in the Niger Delta, Nigeria	Tamunoene Abam
2.2.p	30	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	31	To Dredge or Not to Dredge: Data-Driven Feature Engineering of Side Channels	Yair Roorda
2.2.p	32	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

2.2.p	33	Inventory and Characterization of Hard Coastal Defenses in the Municipality of La Costa, Buenos Aires Province, Argentina	Florencia Victoria Lopez Marcomini
5.1 Responsible Use of subsurface – underground			
5.1.p	34	Characteristics and Mechanisms of Three Special Types of Rockburst in Deep Engineering Projects on the Qinghai-Tibet Plateau	Tianbin Li
5.1.p	35	Geotechnical Conditions for Construction in the Belgrade Metro Line One „Sava Alluvium“ Section	Dragoslav Rakic
5.1.p	36	Disaggregable Metagabbro Encountered During Tunnel Excavation: Tests for its Geological and Geotechnical Characterizaiton	Wilson Iyomasa
5.1.p	37	Experimental Study of Surface Subsidence from Shallow Tunnel Excavation	George Xiroudakis
5.1.p	38	Weathered and Unweathered Consolidated Clay in Tunnel, Changes of Physical Properties	Edina Bartakovics
5.1.p	39	Hydrogeochemical Characteristics of Shallow Water in the Gushan Tunnel Area and Implications for Tunnel Engineering	Xiyong Wu
5.1.p	40	Application of Geological Models in the Project Study of the Lamiako Underwater Tunnel in Biscay (Spain)	José María de Ortuzar
5.1.p	41	An Insight into Water Curtain Efficiency in Underground Unlined Hydrocarbon Storage Caverns	Debasish Biswas
7 Engineering Geology for the Preservation of Heritage			
7.p	37	Ultrasonic Analysis of the Parthenon’s Structural Stones and Grouted Joints	C. Loupasakis
7.p	38	Investigation of the Weathering of Granite Building Stone by Salt Spray	Maria Heloisa Frascá
7.p	42	Geological Domains of Building Stones in Heritage Monuments in India	Vinod Kumar Sharma
7.p	43	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	44	Forecasting Long-Term Creep in Valkenburg Calcarenite Mine Pillars: A Comparative Study of LSTM and Long Expressive Memory Models	Nikolaos Antoniadis
7.p	45	Historical Mining Plans – Their Preparation and interpretation.	Scott O'Neill
7.p	46	Long-term Preservation Strategies for Cultural Heritage on Active Landslides using Advanced Remote Sensing Technologies	Shintaro Yamasaki
7.p	46	Geodiversity and Urban Heritage: Identifying Vulnerable Areas through Spatial Interpolation using Geodiversity Index	Denise Balestrero Menezes
7.p	47	Military Open Science for Coastal Heritage: From a Sustainable Monitoring Practice Towards a Preservation Policy Toolkit.	Georgios Drosos MSc DIC FGS HAFESS
7.p	47	Natural Heritage Sites in Climate Changing Conditions, Example of the Devils Town (Serbia)	Miloš Marjanović
7.p	48	Weathering-Induced Changes in Khondalite: An Implication to Assessing Deterioration of Ancient Structures at Ratnagiri (Odisha, India)	Arindam Basu
7.p	48	Engineering Geological Characterization of Athagarh Sandstone for Heritage Conservation	Subhasmita Behera
7.p	49	Surface Strength Test of Stones, Application of Duroskop	Ákos Török
7.p	49	Mechanical Degradation and Microstructural Evolution of Volcanic Tuff and Sandstone under Water Saturation and Freeze-Thaw Cycles	Rami Moghrabi
9 Boosting Engineering Geology			
9.p	50	Numerical simulation of gravity effects on lunar soil	Xiaokun Hou
9.p	51	Engineering-Geological Assessment and Landslide Risk Mitigation along the famous Odontotos Railway in the Vouraikos Gorge, Greece	Maria Michalopoulou
9.p	52	Didactical Practices in Engineering Geology with Digital Maps: Expanding Integration with the Local Environment	Denise Menezes
9.p	53	Is Geology Still a Male-Dominated Science? An Analysis of Gender Parity in Geology and Geological Engineering Programs in Brazil	Cibele Cláuver
9.p	54	Development of Reduced-Scale 3D Printed Physical Models for Geophysics Education in Engineering Geology	Cibele Cláuver
9.p	55	Promoting Engineering Geology Through Youth Engagement, Communication, and Professional Advocacy in Nigeria	Precious Awonge
9.p	56	Design-Oriented Role of Engineering Geology in Himalayan Hydropower Projects	Kshitij Thakur

Wednesday 4 November

9:00-13:00 Pitched Poster sessions

Frans van Hasseltzaal

Session	#	Title	Presenter
1.2 Ground Modelling and Characterization – Soils			
1.2.p	1	Engineering Characterization of Soil Properties and Embankment Using Finite Element Analysis in Relation to Infrastructural Development	Afolabi Olaniyi Adebayo
1.2.p	2	Characterizing the Deformation of Lumpy Fills Using Micro-CT Scanning	Leon Van Paassen
1.2.p	3	Characterization of Intrinsic Properties of Sand Using CT-Scan Image Analysis	Leon Van Paassen
1.2.p	4	CT Scanning of Collapsible Soils: Proof of Concept	Rebecca Briant
1.2.p	5	Physicochemical Characterization of Tropical Soils in the Central Region of the Greater Metropolitan Area (Costa Rica)	Yahaira Saldaña Jara
1.2.p	6	Complexities in coupled processes in clay soils: evaluating the residual shear strength	Gianvito Scaringi
1.2.p	7	Hydration-Induced Swelling of High-Speed Railway Subgrades on Red-Bed Mudstone and Deformation Control Using a Pile–Slab System	SiXiang Ling
1.2.p	8	Effects of Grain Crushing on the Geotechnical Properties of Soils with Varying Mineralogy.	Olubunmi Owoyemi
1.2.p	9	The Trinity Water-Discontinuity-Clay minerals (WDC)	Yasemin Leventeli
	3.1 Geohazards – Lessons learned from Landslides around the world		
3.1.p	10	Hazards Triggered by Geological Phenomena in Georgia	George Gaprindashvili
3.1.p	11	Reactive managed retreat from landslide hazards - lessons from the Auckland storms of 2023	Ross Roberts
3.1.p	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	13	Shallow-Seated Landslide Susceptibility and Hazard Assessment in Volcanic Edifices: A Chilean Case Study, the Llaima Volcano.	Alejandra Serey
3.1.p	14	Distribution Features and Formation Mechanisms of Large Landslides Along the Yalong River of China	Renmao Yuan
3.2 Geohazards - Landslide modelling			
3.2.p	15	A Method for Estimating the Potential Damage Zone of Debris Flow using a Random Walk Model	Young-Suk Song
3.2.p	16	Enhancing Landslide Susceptibility Modelling by Incorporating a Probabilistic Physical Model for Non-Landslide Sample Selection	Hyuck-Jin Park
3.2.p	17	Applying Weight of Evidence Analysis in Geohazards Assessment: An Example for Prediction of Long Runout Landslides	Paul Santi
3.2.p	18	Fabric-Replicated Modeling and Macro-Mesoscopic Identification of Irreversible Critical State for Rainfall-Induced Redbeds Landslides	Cuiying Zhou
3.2.p	19	Control of Catchment Hypsometric Integral on the Spatial Distribution of Coseismic Landslides	Xiaoli Chen
3.2.p	20	Seismic Landslide Controls and Transferable Probabilistic Assessment Modeling in Taiwan: Insights From the Chi–Chi and Hualien Earthquakes	Renmao Yuan
3.2.p	21	A Novel PLS-FR-Entropy Framework for High-Accuracy Landslide Susceptibility Modeling	Sumit Das
3.2.p	22	Network Disruption Under Cascading Geohazards: A Transport Modelling Framework for combined Landslide and Flood Risk	Rachel Doley
3.2.p	23	Numerical Analysis of the Ngouache Iv Landslide (Bafoussam, Cameroon) Using ABAQUS: Influence of Geotechnical Parameters	Agostiny Marrios Lontsi
3.2.p	24	From Cloudburst to Disaster: Modeling Debris Flow Dynamics in Bayshonai Kalay, Buner District, Khyber Pakhtunkhwa, Pakistan	Amir Hameed
4 Engineering Geology in the Energy Transition			
4.p	25	Determination of the Hydraulic Conductivity of Sandstone using Triaxial Permeability Tests – Applicability and Challenges	Szu-Han Chen
4.p	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	27	Criteria and Methodology for Locating Underground Thermal Energy Storage in the Soil and Rock Mass Using Closed Systems	Mateusz Żeruń
4.p	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	29	Dynamic analysis of geospatial information using GIS for the selection of renewable energy sites in Korea	Hyeong-Dong Park
4.p	30	Performance of High-Temperature Aquifer Thermal Energy Storage under Layered Geological Conditions: Effects of Density Compensation	Yifan Li
4.p	31	A Standardized InSAR Workflow for the Monitoring of Underground Gas Storage Operations	Gabriele Fibbi
4.p	32	Experimental Characterization of the Thermal and Mechanical Properties of the Cutter Soil Mix Wall Material	Marco Gerola
4.p	33	Geomechanics of Low-mature Continental Shale under Real-time High-temperature Heating-Loading Coupling Conditions	Lihui Li
4.p	34	Cross-scale fracture development around deep geothermal wellbores in the North Alpine Foreland Basin, SE Germany	Justin Mattheis
4.p	35	Investigation Shaft for Testing the Foundation Bedrock, Patagonia Hydropower Project.	Julia Löffler
4.p	36	Characteristics of Deep Dutch Clay Formations Derived From Laboratory Measurements and Geophysical Logging Data	Vidushi Toshniwal
4.p	37	Numerical Forward and Inverse Simulation of Heat Production and Heat Storage in Heterogeneous Targets	Alexandros Daniilidis
4.p	38	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	39	How the Application of the Observational Method Can Help Optimize the Supports: Three Examples of Projects in Luxembourg	Tiffany Hennebaut
5.2.p	40	Significance of Geomodel Study in Engineering Projects	Ilyas Yilmazer
5.2.p	41	Greenfield Finite Element Modelling for Damage Assessment of Axially Rigid Buildings under Groundwater-Driven Slope Movements	Davide Luongo
5.2.p	42	State-of-the-art Ground Understanding for Modern Need Urban Development on the Deltaic Soils of Zuidplaspolder, Netherlands	Ruud Steenbakkers
5.2.p	43	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	44	Application of Monitoring-Guided Controlled Grouting Uplift Technology for Green and Low-Carbon Tilt Correction of High-Rise Buildings	Tenghao Cui
8 Engineering Geology in the Digital transition and AI Revolution			
8.p	37	Combining LinkNet and Fourier Neural Operator with GPU Accelerated Computing to Forecast Rock Avalanche Motion	Guotong Deng
8.p	38	Probabilistic Assessment of Rainfall-Triggered Landslides through Gumbel Distribution and Machine Learning Modeling	Paraskevas Tsangaratos
8.p	45	V-ROCK, a Virtual Reality Tool to Teach Rock Mass characterisation.	Dominique Ngan-Tillard
8.p	46	Enhancing Offshore Geotechnical Data Interpretation through AI-Based Outlier Detection: A Case Study on CPT in Wind Farm Development	An-Jui Li
8.p	46	Deep Learning-Based Landslide Susceptibility Mapping Using 1D-CNN and Geospatial Data	Paraskevas Tsangaratos
8.p	47	Machine Learning-Based Prediction of Thermal Properties of Soils Using National PGI-NRI Thermal Database	Mateusz Żeruń
8.p	47	Sequential Bayesian framework for embankment settlement forecasting: automating the observational method	Kevin Briggs
8.p	48	Engineering-Geological Database (BDGI) - the biggest geotechnical dataset for urban areas in Poland	Aneta Horbowicz
8.p	48	Enhancing Subsurface Model Flexibility through Telescopic Integration and Physics-Informed Machine Learning	Jose Rodriguez
8.p	49	Estimating 3D shallow S-wave velocity models from geophysical data based on deep neural network	Koichi Hayashi
8.p	49	Predicting Drought-Induced Desiccation Cracks in Regional Dykes Using Random Forest Models	Tom de Gast
8.p	50	Undocumented Decisions: The Hidden Risk of AI in Geotechnical Practice	Ward Vandepitte
8.p	51	Hybrid Methodology for Landslide Prediction Integrating Geotechnical Numerical Analyses, Satellite Remote Sensing Data and Machine Learning Algorithms	Sotiris Petrou
8.p	52	AI-Assisted Integration of Geological, Geotechnical and Geophysical Data for Subsurface Interpretation, Prediction and Decision Suppor	Michael Spevak
8.p	53	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	54	Non-Destructive Prediction of Marl Unconfined Compressive Strength Using Ensemble Machine Learning Models	Fawad Sheikh

Wednesday 4 November

13:30-17:30 Pitched Poster sessions

Frans van Hasseltzaal

Session	#	Title	Presenter
1.4 Ground Modelling and Characterization – Site Investigation and Field Techniques			
1.4.p	1	Estimation of Groundwater Seepage Velocity on Slopes by Continuous Electrical Resistance Tomography Method	Chihping Kuo
1.4.p	2	Muon Imaging in Engineering Geology: New Applications of Cosmic Ray Technology	Tommaso Beni
1.4.p	3	Cradle-Induced Variability in Ultrasonic Pulse Velocity Measurements: A Comparative Study of Support Materials	Cibele Cláuver
1.4.p	4	Non-Invasive Seismic Subsoil Imaging for Practical Applications	Silvia Castellaro
1.4.p	5	When Do Boreholes in Unconsolidated Sand Formations Fail?	Tessel Grubben
1.4.p	6	Integrated Geophysical Investigation of Aquifers in Glacial Burried Valleys. Case study from Central Poland.	Piotr Wilkolazki
1.4.p	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	8	Correct Interpretation of Inclinometer Measurements Even at Great Depths. Several Years of Experience Acquired with a Robotic Inclinometer System	Danilo Godone
1.4.p	9	Field Hydraulic Conductivity Test in Clayey Soils: Evaluation Aquifer Recharge Challenges	Marcos Musso
3.11 Geohazards - Karst and Erosion			
3.11.p	10	Deformation and Water Loss in Volcanic Valleys of Central Mexico: Geomechanical Analysis and Soil Conservation of Lacustrine Soils	Dora Carreon-Freyre
3.11.p	11	Green and Low-Carbon Tilt Correction of a High-Rise Building on Karst Ground Using Controlled Grouting-Induced Uplift	Xuedong Cui
3.11.p	12	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	13	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			
3.6.p	14	Engineering-Geological Features of Tectonogenic Rock	Omar Kutsnashvili
3.6.p	15	Remote sensing capability for rock mass characterization in active rock fall areas	Sina Fatolahzadeh
3.6.p	16	Remote rockfall assessment using publicly available imagery: the 2014 South Tyrol incident	Pavlos Asteriou
3.6.p	17	Mechanical and Microstructural Characterization of Deformed Volcaniclastic Rocks from the Lower Comondú Group, Baja California Sur, México.	Mariano Cerca Martinez
3.6.p	18	A Comparative Slope Stability Analysis Using Empirical Methods in Kumaun Himalaya, Uttarakhand, India	Rahul Kumar Verma
3.6.p	19	Rockfall monitoring design and initial results from an alpine rock-slope laboratory (Tyrol, Austria).	Hannah Andlinger
3.6.p	20	Structural Controls on High-Alpine Rock Slope Failures in Heavily Fractured Metamorphic Rocks (Tyrol, Austria)	Christoph Hollinger
3.6.p	21	Volume-Class Correlation of Rockfall Frequency With Overhang Geometry	Olga Mavrouli
3.7 Geohazards - Rock Falls: Modelling Mechanics and Mitigation			
3.7.p	22	A combined laboratory method for studying the failure mechanism of structurally complex rocks from Greece	Dimitris Pepas
3.7.p	23	Comparison of Numerical Rockfall Modeling Methods: Case Studies in Central America and Mexico	Adrian Marchena Mora
3.7.p	24	Engineering-Geological Controls on Coastal Rockfall Revealed by Calibrated Explainable Probabilistic Modeling	Eunju Jeong
3.7.p	25	Numerical Modelling of the Stability of Rocky Cliff	Antonio Fiorentino
	3.8 Geohazards - Multihazards and Risk Assessment		
3.8.p	26	Prediction Models for Post-Fire Debris Flow Susceptibility and Debris Flow Volume in Yajiang County, Sichuan, China	Xiewen Hu
3.8.p	27	Landslide hazard mapping in Tbilisi (Georgia)	George Gaprindashvili
3.8.p	28	An Overview of Landslides in Volcanic Rocks of West Java, Indonesia: Causes, Triggers, and Impacts	Misbahudin Misbahudin

3.8.p	29	An Overview of The Natural Hazard Risk Atlas of the Tibetan Plateau and Adjacent Mountains	Chenxiao Tang
3.8.p	30	Risk Reduction Municipal Plan in Brazil – the Case Study of João Monlevade, Minas Gerais	Eduardo Marques
3.8.p	31	Spatiotemporal Monitoring of Post-Fire Slope Erosion Using SBAS-InSAR in Zirang Gully, Sichuan, China	Xiewen Hu
3.8.p	32	Optimizing a Prediction Model for Engineering Disturbance Hazard susceptibility in the Qinghai-Tibet plateau	Zhiqing LI
3.8.p	33	Comparative Controls of Coseismic Landslides in Two Strike-Slip Earthquakes: Insights From the 2017 Jiuzhaigou and 2022 Luding Events	Xiaoyi Shao
3.8.p	34	An SPH Framework for Simulating the Landslide–Damming–Breaching–Flood Cascading Hazard With Heterogenous Materials	Ming Peng
3.8.p	35	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	36	From Risk Area Mapping to Engineering Design: A Methodological Path	Raíssa Pignoni dos Santos
3.8.p	37	Geological Risk Assessment on Villages at North Lisbon Area	Filipe Telmo Jeremias
3.9 Geohazards - Climate Change Hazards			
3.9.p	38	Mapping Hydrological Risk in Brazilian Cities: The Cases of São Paulo and Itaquaquecetuba	Ana Elisa Silva de Abreu
3.9.p	39	Multiscale Damage Evolution and Topological Connectivity Degradation of Luohe Sandstone Subjected to Freeze-Thaw Cycles	Zhaoyue Yu
3.9.p	40	UK shrink–swell hazards under climate-change-driven weather extremes	Emily Gammon
3.9.p	41	Is Climate Change Altering the Stability Image of Slovakia?	Rudolf Tornyai
3.9.p	42	Quantitative Assessment of Weathered Slope Soil Strength during Rainfall-runoff Processes	Ailan Che
3.9.p	43	Data Fusion for Modelling the Bed Topography of a Rock Glacier	Erika Prina Howald
3.9.p	44	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			
5.3.p	37	Microstructural Origins of Volumetric Instability in BOF slag	Gabriel Mohallem
5.3.p	38	Application of Scheelite Residues as a Components in Soil-Cement Mixture for Base Pavement Layer	George Rolemberg
5.3.p	45	Using concrete plant waste as reclaimed aggregates in concrete: new opportunities	Emeric Dutranoit
5.3.p	46	Assessment of Environmental Impacts of Limestone Aggregate Mining with the Life Cycle Approach	Murat Yılmaz
5.3.p	46	Failure Mechanism Analysis of Granite-Backfill Bio-Composites Under Hydromechanical Cyclic Loading: Implications for subsurface Infrastructure	Xin Yu
5.3.p	47	Characterization and Evaluation of the Refractory Properties of Kitibi Clay Deposits, Iwo, Southwestern Nigeria	Olaniyi Afolabi Adebayo
5.3.p	48	Sustainable Application of Calcium Carbide Residue and Lime for Stabilisation of Soft Marine Clay: Strength and Microstructural Analyses	Tamunoene Abam
5.3.p	49	Limestone is Superior to Hard Rocks in Asphalt and Concrete	Ilyas Yilmazer
5.4 Responsible Use of (Sub-)surface – Mining			
5.4.p	47	Evaluating the Geological Setting and Mechanical Behavior of Iron Ore Tailings for Sustainable Filtered Stacking Disposal Design	Adam Horst
5.4.p	48	Improved Methodology for Post-Mining Risk Assessment in Wallonia (Belgium) and Application to Former Mining Areas	Ali Kheffi
5.4.p	49	Rheological Behavior of Grouted Sand Aquifers in Mitigating Mining-Induced Groundwater Hazards	Wanghua Sui
5.4.p	50	Risk Assessment of Water-Sand Mixture Inrush in Deep Mining Based on 3D Geological Modeling	Wanghua Sui
5.4.p	51	Multi-Hazard Assessment for Man-Induced Geohazard – Cavity Collapse and Fooding Hazards	Marwan Al Heib
5.4.p	52	Fault-Influenced Overburden Deformation in a Steeply Dipping Submarine	Fengshan Ma
5.4.p	53	Integrated Geomechanical and Geohydrological Assessment of Quarry Floor Stability in the ENCI Limestone Quarry (The Netherlands)	Richard Rijkers

Thursday 5 November

9:00-13:00 Pitched Poster sessions

Frans van Hasseltzaal

Session	#	Title	Presenter
1.3 Ground modelling and characterization – Rocks			
1.3.p	1	Evaluation Methods for Loosened Rockmass Confirmed at the Damsite in Japan	Kazumi Yasumoto
1.3.p	2	Permeability Depth-Relation of Rock Mass: Based on Laboratory Measurements and Geophysical Logging	Jia-Jyun Dong
1.3.p	3	Dynamic Evolution of Connectivity in Multi-Cluster Fracture Networks: A Novel Quantitative Framework for Engineering Geology Applications	Shengwen Qi
1.3.p	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	5	Assessment of deformation modulus by empirical methods in Nepal Himalaya	Kanchan Chaulagai
1.3.p	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	7	Static versus Dynamic Elastic Moduli in Gneiss: A Comparative Study for Geotechnical Characterization	Cibele Cláuver
1.3.p	8	Mechanism of Strength Attenuation in Gypsum Rock under Water-Rock Interaction	Mo XU
1.3.p	9	Field Assessment of Rockfill Density Using a Water Replacement Method in Test Pit: A Case Study	Erdenetsetseg Altangerel
1.3.p	10	Stochastic 3D Discrete Fracture Network Modeling from Sparse Outcrop Data: A Methodological Framework	Junghae Choi
1.3.p	11	Physical and Mechanical Characterization of Anisotropic Rocks	Isabel Fernandes
1.3.p	12	Bedding-Perpendicular Fracture and Mechanical Mechanism of Soft-Hard Interbedded Rock Mass	Han Bao
1.3.p	12	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	13	Borehole Exploration of Qatar's Subsurface: Physical and Mechanical Characteristics of Rocks and Soils	Mohammad Bani Yasin
3.3 Geohazards - Landslide Characterization, Monitoring and Mapping			
10.1.p	14	Defining a 3D Geological and Geophysical Model for the Einstein Telescope Site at Sos Enattos (Sardinia)	Francesco Maesano
10.1.p	15	Energy Tunnel Assessment for the Einstein Telescope in the Euregion Meuse-Rhine (EMR-ET)	Antonio Dematteis
10.1.p	16	Geotechnical Framework of Tunnels, Caverns and Shafts of the Einstein Telescope in the Euregion Meuse-Rhine (ET-EMR)	Antonio Dematteis
10.1.p	17	3D Geological Model of the Upper Cretaceous in the Euregion Meuse-Rhine for Einstein Telescope	Jef Deckers
10.1.p	18	Chemical And Mineralogical Evaluation of Potential Use of Excavated Materials for the Einstein Telescope Candidate Site of the EMR	Hannes Claes
10.1.p	19	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			
3.10.p	20	Prevention Is More Beneficial Than Remedy: Earthquake	Ilyas Yilmazer
3.10.p	21	A Basic Study on the Acquisition and Analysis of Active Faults at Beokgae area in the Southeastern Korean Peninsula	yong Baek
3.10.p	22	Preliminary Consideration of the Relationship Between High-Boron Groundwater and Swarm Earthquakes in the Abu Volcanic Field, Japan	Takehiro Ohta
3.10.p	23	Are Earthquake Early Warning and Prediction Systems Effective, Useful and Applicable for Risk Management in Costa Rica?	Sergio Mora Castro
3.10.p	24	Constraining Paleoseismicity Activity via Paleo-Landslide and Structural Analysis: Implications for Seismic Hazard in the Outer Western Carpathians	Thanh-Tùng Nguyễn
3.10.p	25	Numerical Assessment of Landslide–railway Interactions in the Earthquake-Induced Hazard Chains	Cheng-Han Lin
3.10.p	26	Preliminary Study on Enhancing Korea’s Seismic Hazard Map and Design Standards through Quaternary Fault Information	Sung-Pil Hwang
3.10.p	27	Topographic controls on seismic wave amplification and landslide triggering: A case study in Totsukawa Village, Nara, Japan	Chi-Wen Chen
3.10.p	28	Damage Evolution Characteristics and Instability Mechanism of High-Elevation Shattered Rock Masses in the Wenchuan Meizoseismal Zone	Bo Liu

3.3 Geohazards - Landslide Characterization, Monitoring and Mapping			
3.3.p	29	Research on the residual strength characteristics of landslide slip zone soil in reservoir areas based on ring shear testing	Zhihong Zhu
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