Time	Tuesday June 17				
	Cosmos 1 & 2 - Plenary Sessions and Opening Ceremony				
08:30 - 10:00	Opening Ceremoney				
10:00 - 10:30	Coffee break				
12:00 - 13:00	Keynote 1 - Mark Diederichs				
13:00 - 14:00	Lunch				
Hall	**Cosmos 1 & 2**	**Cosmos 3A**	**Cosmos 3B**	**Cosmos 3C**	**Cosmos 3D**
	Session 1	**Session 2**	**Session 3**	**Session 4**	**Session 5**
	Theme 04: Prognosis Models in Rock Tunneling	**Theme 07: Laboratory Testing of Rock**	**Theme 02: Rock support design**	**Theme 08: Brittle Failure**	**Theme 05: Fluid Flow in Rock Mass**
Chair	NN	NN	NN	NN	NN
Co-Chair	NN	NN	NN	NN	NN
14:00 - 14:20	**12. Improved Analytical Thrust per Cutter Formulations for Hard Rock Tunnel Boring Machines** *Thomas Marcher*	**09. Laboratory tests for demonstrating two new methods for defining shut-in pressure in hydraulic tests for rock stress measurement** *Nghia Trinh*	**06. Numerical Investigation of Load Transfer and Uplift Mechanisms in Rock Masses Surrounding Rock Anchors** *Bjarte Grindheim*	**24. On modelling uniaxial quasi-static tension and compression tests on rock with explicit time stepping** *Timo Saksala*	**31. On the possible effect of roughness on hydraulic fracturing pressure** *Alexandre Lavrov*
14:20 - 14:40	**23. Modern tunnelling trends vs. the NTNU prognosis model for D&B blast design – a case study** *Sondre Gjengedal*	**32. Experimental study on the penetration characteristics of a button bit into rock** *Kimihiro Hashiba*	**11. Tension-torsion Coupling Effect and Failure Mechanism of Anchoring Section of Anchor Cable** *Shuren Wang*	**47. Monte Carlo Simulation of the Cohesion Weakening Friction Strengthening Approach for Assessment of Brittle Failure Around Underground Excavations** *Andrew Corkum*	**103. A THM coupled distinct element model for simulating hydraulic fracturing in discontinuum reservoir with application to enhanced geothermal system** *Botong Du*
14:40 - 15:50	**41. SEMMERING BASE TUNNEL – Challengies in predicting rock mass quality in a major fault system** *Robert Holzer*	**123. Experimental investigation of pore collapse in Brazilian pre-salt carbonates** *Guilherme Righetto*	**34. SEMMERING BASE TUNNEL – Extaordinary deformations in a major fault system** *Mario Hein*	**51. A novel perspective on the transition from the consideration of damage-plasticity to the incorporation of damage modelling for intact rocks** *Vahid Azamipour*	**168. Permeability Evolution in Shear-Induced Rough-Walled Fractures: Role of Roughness and Tortuosity** *Min Gao*
15:00 - 15:20	**60. Utilizing drilling data in data assimilation for prediction of ground deformation during construction of underground structures** *Yasuhisa Aono*	**59. Evolution of Mechanical Properties and Energy Loss in Cement Mortar under Loading and Unloading Cycles** *Abhay Anand*	**81. Effect of radial confining pressure on the mechanical behaviour of deformation-controlled rock bolts during tunnel excavation** *Masataka Mishiro*	**65. Evaluation of the Effectiveness of Face Destress Blasting for a Deep Drift Based on Energy Method** *Zongze Li*	**179. Design of Water Barrier Pillar for Safety in Underground Coal Mines** Abhiram Kumar Verma
15:20 - 15:40	**83. Investigating Time and Stress-Dependent Behaviour of Swelling Rocks** *Cigdem Culha*	**64. Investigation of anisotropic failure in slate under thermo-hydro-mechanical coupling using the discrete element method** *Meng-Chia Weng*	**88. Calibration of 2D Finite Element Models using Pre-Yield Axial Testing Data for Fully Grouted Rebar Rockbolts** *Caitlin Fischer*	**112. Implementing emergent properties from PFC2D to control the constitutive behavior in FLAC2D in response to the maximum principal strain** *Fedilberto J. Gonzalez*	**190. Complete Permeability Tensor of Single Fracture Surface and Its Influence on Flow Characteristics** *Tai-tien Wang*
15:40 - 16:00		**68. Experimental Assessment of the Geomechanical Properties of Mowry Shale** *Kam Ng*	**98. Estimation of the Failure Probability of Attenuator Rockfall Protection Structures Using a Reliability Analysis Approach (RBD) and Kriging Metamodel** *Maria Teresa Carriero*	**149. A rational method for assessing the occurrence of brittle failure in deep tunnels** *Alessandra Insana, Lorenzo Milan*	**191. Improving porosity and permeability of sandstone reservoirs for CO2 storage by enhancing mineral dissolution with bio-based biodegradable chelating agents** *Ryota Tamura*
16:00 - 16:20	Coffee break				
Hall	**Cosmos 1 & 2**	**Cosmos 3A**	**Cosmos 3B**	**Cosmos 3C**	**Cosmos 3D**
	Session 6	**Session 7**	**Session 8**	**Session 9**	**Session 10**
	Theme 04: Prognosis Models in Rock Tunneling	**Theme 07: Laboratory Testing of Rock**	**Theme 02: Rock support design**	**Theme 08: Brittle Failure**	**Theme 05: Fluid Flow in Rock Mass**
Chair	NN	NN	NN	NN	NN
Co-Chair	NN	NN	NN	NN	NN
16:20 - 16:40	**117. The NTNU model 1976 – 2016** *Helge-Ivar Frostad*	**71. Experimental investigation of mechanical properties of gypsum over a range of strain rates** *Peerzadi Arzeena Imtiyaz*	**102. Practical span and support design strategies for underground rooms in stratified rock masses** *Ignacio Pérez-Rey*	**231. Numerical modeling of Rock Spalling in the Mine-by experiment, using Zero-thickness interface elements with a fracture-based visco-plastic constitutive model** *Laura Crusat*	**217. Impact of Tunnel Induced Stress Redistribution on Hydraulic Conductivity in Fractured Rocks** *Romain Le Goc*
16:40 - 17:00	**253. Modelling the interaction between jointed rock and concrete pilar structures for Korsvägen railway station in Gothenburg, Sweden** *Roger Olsson*	**85. Predicting time-to-failure of rocks based on secondary creep strain rate** *Mohammadreza Aghajanzadeh*	**118. The Potential of Distributed Fiber-optic Sensing for Improved RRS Understanding** Theresa Maier	**269. Mechanical stability of salt caverns under intensive gas storage conditions using LOCAS and DISROC** *Hajar Habbani*	**245. Estimation of groundwater inflow into tunnels in layered rockmasses** *Simone Markus*
17:00 - 17:20		**101. Experimental study on the fracture toughness alternation of transversely isotropic shales in response to CO2-water-rock interactions** *Xuefeng Li*	**119. Interpreting Energy Absorbing Values for Rockbolts from Quasi Static and Impact Tests** *John Hadjigeorgiou*	**298. Effect of Splay Fractures on Fault Shear Behaviour and Microseismicity: A Discrete Element Analysis** *Lie Kong*	**267. Preliminary self-sealing laboratory test results for mudstones of the Mercia Mudstone Group and Ancholme Group in England** *Thomas Berry*
17:20 - 17:40		**122. Effective Parameters on the Self-Healing Behavior of Rock Salt** *Sasan Moravej*	**124. Investigation of spiling behavior with respect to block size and joint orientation** *Mateusz Maciej Swillo*		**287. Simulating Cyclic Hydraulic Fracturing with a Novel Hydromechanical Damage Model** *Chang Xia*
17:40 - 18:00					**300. Fault Thickening and Permeability Variations: Implications for 3D Hydraulic Models** *Mo Akbariforouz*

Time	Wednesday June 18				
	Cosmos 1 & 2 - Plenary sessions				
08:30 - 09:10	Keynote 2 - Marco Barla				
09:10 - 09:50	Keynote 3 - Åsa Fransson				
09:50 - 10:20	Coffee break				
Hall	**Cosmos 1 & 2**	**Cosmos 3A**	**Cosmos 3B**	**Cosmos 3C**	**Cosmos 3D**
	Session 11	**Session 12**	**Session 13**	**Session 14**	**Session 1: ECF**
	Theme 02: Rock support design	**Theme 07: Laboratory Testing of Rock**	**Theme 01: New Tools and Techniques**	**Theme 13: Sustainability in Rock Engineering**	**Theme: ECF**
Chair	NN	NN	NN	NN	Fengshou Zhang
Co-Chair	NN	NN	NN	NN	Jorge Terron-Almenara
10:20-10:40	**138. Design of an underground multilevel limestone mine** *Michael Alber*	**131. Mode I fracture toughness of a low-porosity rock subjected to freeze-thaw cycles** *Giulia Torsello*	**26. Predicting the Crack Stress Thresholds of the Intact Granitic Rocks by machine learning and multivariate analysis techniques** *Samad Narimani*	**87. Early-Age Strength Performance of Shotcrete Mixes with Crushed Waste Glass as a Replacement for Natural Sand** *Dr. Mehdi Serati*	**Welcome to ECF provided by ISRM President** *Seokwon Jeon* **and President of ISRM Educational Fund Commitee** *Fengshou Zhang*
10:40 - 11:00	**145. Investigating Rock Fall Characteristics during Mountain Tunnel Construction via Machine Learning Approaches** *Karnallisa Desmy Halim*	**236. Study on gas moisture absorption-desorption characteristics and volumetric deformation law of red-bed mudstone under the influence of environmental humidity gradient** *Yu Fei*	**30. Method of fundamental solutions in computational geomechanics** *Alexandre Lavrov*	**198. Fundamental Study on Chemical Reaction of Rocks with CO2: Implication for Carbonate Precipitation** *Yang Xiurong*	**Senior ECF presentation 1 Decide your role and become an expert in the frontline of rock mechanics and rock engineering** *Charlie C. Li*
11:00 - 11:20	**162. Optimal rock slope support and geological survey from value of information analysis** *Renato Pereira*	**142. Evaluation of thermal damage in Bateig limestone through ultrasonic pulse velocity and resonant frequency technics** *Chamran Kazemi*	**70. Spatial analysis of intact rock strength properties using graph neural networks for geotechnical applications** *Jorge Alvarez*	**239. Modelling Hydrogen Embrittlement in Pressurised Lined Rock Caverns within Fractured Rock Masses** *Qinghua Lei*	**ECF. Integrating archival data and remote sensing for landslide inventory: a case study of Polog region, N.Macedonia** *Natasha Nedelkovska*
11:20 - 11:40	Coffee break				
Hall	**Cosmos 1 & 2**	**Cosmos 3A**	**Cosmos 3B**	**Cosmos 3C**	**Cosmos 3D**
	Session 15	**Session 16**	**Session 17**	**Session 18**	**Session 2: ECF**
	Theme 02: Rock support design	**Theme 07: Laboratory Testing of Rock**	**Theme 01: New Tools and Techniques**	**Theme 12: Rock Mass Grouting**	**Theme: ECF**
Chair	NN	NN	NN	NN	Fengshou Zhang
Co-Chair	NN	NN	NN	NN	Jorge Terron-Almenara
11:40 - 12:00	**197. Investigation of the performance of PVC-Concrete prop for Mine Supports** *Mehdi Serati*	**146. Evaluation of Analytical Models in Estimation of the Breakdown Pressure in Hydraulic Fracturing** Achini Ranasinghe	**86. A new method for rapid quantitative measurement of the strikes and dips of cracks on the tunnel face** *Hayato Tobe*	**10. Reducing subsidence technology by overlying bed separation grouting in thick coal seams top coal caving mining** *Wenbing Guo*	**ECF. Full stress tensor determination using the CCBO method, sensitive to the variable stiffness matrix of the same rock material** *Alice Petrlikova*
12:00 - 12:20	**248. Dynamic Tensile-Shear Responses of Rock-Concrete Interfaces with Varying JRC Profiles** Sunita Mishra	**151. Height to Diameter Ratio Effect on Sample Failure modes and Mechanisms – Implications for Pillar and Underground Excavations Design** *Fidelis T Suorineni*	**93. Digital tools to enhance design optimization and tunnel construction in the sotra link project** *Guido Barbieri, Marte Jørstad Uthus*	**16. Investigating the Relationship Between Grouting Response Curves and Stress Measurements at Fornebu Metro Line** *Martin Hovda Haugsand*	**ECF. Lessons learned from the seismic event "Haouz Earthquake", and the approach used to evaluate geohazards in mountainous regions** *Ilyasse Lamsaougar*
12:20 - 12:40	**264. Consideration of the initial stress state for deep tunnels design – lessons learned from a collapse on Avrieux (TELT)** *Gabriel Lopard, Nicolas Berthoz, Adrien Saitta*	**154. Understanding the mechanics of drilling in rocks through experimental methods** *Shwetabh Yadav*	**136. Exposing the rockmass response by means of radar technologies** *Jan Abram Maritz*	**259. Semmering Base Tunnel: Prediction of Groundwater Inflows and Aquifer Boundaries based on Hydraulic Field Testing carried as part of Grouting** *Robert Holzer*	**ECF. Effect of introducing porosity in numerical simulation of rock indentation by drilling insert** *Salma Souissi*
12:40 - 13:00	**268. A simplified analytical method for bolt reinforcement of the tunnel face in deep conditions** *Wassim Mohamad*	**156. Investigations into the Effect of Standardized Stress Rates on the Strength and the Deformation Behaviour of a Crystalline Rock Material** *Jens Schneider*	**150. Tackling missing data: ML approaches for reliable rock engineering design applications** *Asieh Hamidi*	**261. Reducing CO2 emissions from grouting in hard rock tunnelling** *Helene Strømsvik*	**ECF. Numerical modelling of soil deformations due to ceiling breakdown of karst cavern in underlying rock** *Maria Topalska*
13:00 - 14:00	Lunch				
Hall	**Cosmos 1 & 2**	**Cosmos 3A**	**Cosmos 3B**	**Cosmos 3C**	**Cosmos 3D**
	Session 19	**Session 20**	**Session 21**	**Session 22**	**Session 3: ECF**
	Theme 10: Geohazards	**Theme 07: Laboratory Testing of Rock**	**Theme 01: New Tools and Techniques**	**Theme 09: Rock Mass Monitoring**	**Theme: ECF**
Chair	NN	NN	NN	NN	Fengshou Zhang
Co-Chair	NN	NN	NN	NN	Jorge Terron-Almenara
14:00 - 14:20	**225. Investigation of the impact of chemical dissolution on the mechanical behavior of calcareous rocks** *Stephan Rollbühler*	**174. Non-destructive testing in weathering evaluation - from rock massif to stone sculpture** *Małgorzata Sokołowska*	**152. Stope wall convergence-based design for open stopes in narrow vein orebodies** *Fidelis T Suorineni*	**18. Stress monitoring of tunnel support during excavation using distributed fibre optic sensing technology** *Hayato Nonaka*	**Senior ECF presentation 2** *Sevda Dehkhoda*
14:20 - 14:40	**170, Enhancing Seismic Damage Assessment in Rock Tunnels: A Comprehensive Classification Approach** *Ainala Dinesh Reddy*	**184. Effects of freeze-thaw history on the stability of rock slopes** *Dai Nakamura*	**158. Large-strain poro-elastoplastic analysis of axisymmetric boreholes** *Michalis Kattis, Doctor Euripides Papamichos, Doctor Alexandre Lavrov*	**45. Multi-scale monitoring of rock mass deformations at mid-latitude through an optical FBG array at the Acuto Field Laboratory (Central Italy)** *Matteo Fiorucci*	**ECF. The influence 19th century underground hard coal mining on the conditions of foundation of buildings in the 21st century** *Magda Durjasz-Rybacka*
14:40 - 15:00	**44. Fragmentation patterns during rockfall: analysis of the influence of discontinuities and impact conditions through drop tests** *Maddalena Marchelli*	**200. Fluid flow and heat transfer behaviors of fractured rock sample: physical test** *Jiacheng Wang*	**171. Application of Machine Learning and Explainable AI for prediction of Water Ingress in the Skaugum Tunnel** *Abishek Shrestha*	**66. Measuring and modelling the sea-waves impact on a cliff: first results from the Ventotene Field Laboratory (Italy)** *Federico Feliziani, Gian Marco Marmoni, Guglielmo Grechi, Mattia Montagnese, Salvatore Martino*	
15:00 - 15:20	**46. Prediction of residual rockfall risk in presence of net fences according to the location of the impact** *Valerio De Biagi*	**205. Unlocking Precision in Carbon Sequestration Monitoring: Advanced Lab-Scale Monitoring of CO2 saturation with Combined Acoustic and Resistivity Measurement** *Kanitthorn Adisomsupawat*	**214. Multi-parameter responses at several monitoring stations in Cappadocia in relation to 2023 Kahramanmaraş Earthquakes of Türkiye** *Ömer Aydan*	**111. Passive seismic monitoring of a jointed rock mass at Acuto Field Lab (Italy)** *Lorena Di Toro*	
15:20 - 15:40	**55. Validation of the rockfall SIF and SAI indexes by a 3D analysis of a rock slope in Valsesia Valley (Italy)** *Maria Lia Napoli*	**207. Tensile-shear stress induced crack initiation in granite specimens loaded in compression** *Lars Jacobsson*	**272. Using Machine Learning for Predicting Collapse extending in Abandoned Underground Quarries** *Nathalie Conil*	**144. Deformation characteristics of surrounding rock in a large underground opening situated in Southwest China** *Peiyang Yu*	

15:40 - 16:00	**69. Simulation of Slope Movements at Āknes using 2D Distinct Element Modeling** *Christian Cancino*	**210. Behavior of H-B Parameters of Marble During Plastic Deformation** *Sarbartha Sarkar*	**274. Borehole tensor strainmeters based on interferometric displacement sensors** *Jiayong Tian, Cheng Jiang*	**173. Evaluating Wedge Stability Using Analytical and Numerical Approaches** *Hare Ram Timalsina, Sanyam Ghimire*	
16:00 - 16:20	**Coffee break**				
Hall	**Cosmos 1 & 2**				
16:20-17:00	**Keynote 4 - Jessa Vatcher**				
17:00-17:10	**Short break**				
Hall	**Cosmos 1 & 2**	**Cosmos 3A**	**Cosmos 3B**	**Cosmos 3C**	**Cosmos 3D**
		Session 23	**Session 24**	**Session 25**	**Session 26**
		Theme 07: Laboratory Testing of Rock	**Theme 01: New Tools and Techniques**	**Theme 09: Rock Mass Monitoring**	**Theme 11: 3D Modeling and Visualization**
Chair	NN	NN	NN	NN	NN
Co-Chair	NN	NN	NN	NN	NN
17:10 - 17:30	**Rock Bowl final**	**212. An experimental study on the physico-mechanical properties of pumice from Cappadocia and Gölcük volcanic provinces of Türkiye** *Ömer Aydan*	**275. Deep-seated ground deformations measured by robotized system, Roma Metro C Line** *Danilo Godone*	**244. Rock mass dynamics during coal longwall mining at great depth** *Vlastimil Kajzar*	**33. Assessing inertial effects on Rockfall Protection Embankments: field & numerical tests** *Maddalena Marchelli*
17:30 - 17:50	**Rock Bowl final**	**216. Experimental and Numerical Analysis of Single Joint around Circular Hole** *Rakesh Kumar*	**295. Numerical analysis of the mechanical stability of salt caverns for Underground Hydrogen Storage under Severe Solicitations** *Hippolyte Djizanne*	**266. Back analysis of a rockfall catalog using radar tracking** *Qiuyi Li*	**56. Comparative Analysis of Multiple Mining Schemes for Large-Scale Deep Iron Ore Mines** *Haoyan Wu*
17:50 - 18:10	**Rock Bowl final**	**227. Experimental Investigation on the Influence of Swelling on Hydraulic Conductivity in Sulfate Rocks** *Maximiliano R. Vergara*	**297. Phase field modeling of brittle-ductile fracture on OpenGeoSys** *Hanzhang Li*	**289. Understanding the behavior of intersections excavated at the URL of Andra: a feedback concerning three intersection experiments** *Jan Cornet*	**67. Stress-strain analysis of SLC mine design in Kyrgyzstan** *Alison McQuillan*
18:10 - 18:30	**Rock Bowl final**	**135. Determination of the mode I fracture toughness of different types of rocks under the influence of temperature and pressure** *Yan Li*	**304. Advancing a Unified Data Repository for Decision-Making in Tunnel Construction: Automated Knowledge Extraction from Archived Documents** *Alla Sapronova*		**74. Uncertainty and probability analysis of rock slope engineering based on 3D modelling** *Jessica Ka Yi Chiu*
18:30 - 18:50	**Rock Bowl final**	**241. Degradation Due to Swelling-Induced Cracking in Gypsum-Bearing Dolomite and Its Potential Impact on High-Speed Rail Infrastructure** *Zhangjun Dai*	**311. Advanced Acoustic Signal Classification for Rockfall Detection Using Machine Learning** *Kamel Drif*		
20:00 - 23:00	**Banquet Dinner**				

Time	Thursday June 19				
	Cosmos 1 & 2 - Plenary sessions				
08:30 - 09:10	Keynote 5 - Hongwei Huang				
09:10 - 09:50	Keynote 6 - Thomas Marcher				
09:50 - 10:20	Coffe break				
Hall	**Cosmos 1 & 2**	**Cosmos 3A**	**Cosmos 3B**	**Cosmos 3C**	**Cosmos 3D**
	Session 27	**Session 28**	**Session 29**	**Session 30**	**Session 31**
	Theme 06: Ground Investigations	**Theme 07: Laboratory Testing of Rock**	**Theme 03: Rock Mass Characterization**	**Theme 10: Geohazards**	**Theme 11: 3D Modeling and Visualization**
Chair	NN	NN	NN	NN	NN
Co-Chair	NN	NN	NN	NN	NN
10:20 - 10:40	**25. In-situ rock stress determination from hydraulic fracturing test data by combining generalized least squares inversion and statistical analysis** *Yared Bekele*	**247. A Study on the Compressive to Tensile Dynamic Strength Ratio of Synthetic Sandstone Rock under varying Loading Conditions** *Sunita Mishra*	**194. Classification systems for Geotechnical data collection** *Charles Baylis*	**80. Comparison of erosion risk index methods for rocky coastal flysch cliffs, SW Slovenia** *Timotej Verbovšek*	**84. Hydromechanical simulation of post-mining flooding and the associated seismicity** *Sevda Dehkhoda*
10:40 - 11:00	**76. Quality Assurance and Review of Acoustic Emission Based In-situ stress Measurements** *Arthur De Alwis*	**271. Experimental analysis of the influence of gas sorption and associated swelling on the poro-elastic properties and permeability of coal** *Professor Dragan Grigic*	**130. Non-destructive and destructive tests for mechanical characterization of an ornamental stone quarry under flexural buckling** *Federico Vagnon*	**99. An innovative design solution for mitigating rockfall risk: the Darfo Boario case study** *Gessica Umili*	**97. Analysis of behavior of underground coal panel surrounded with goaved-out workings** *Sreenivasa Rao Islavath*
11:00 - 11:20	**204. Development of roadway through backfilled stope for underhand mining: a case study** *Pradeep Kumar, Rakesh Kumar*	**286. Micromechanical Effects of Chemical Weathering on Carrara Marble** *Azemeraw Wubalem*	**63. MWD Data-Based Rock Mass Classification Using Machine Learning Techniques** *Tek Bahadur Katuwal*	**100. Surveying existing rockfall flexible barriers to create a cartographic database aimed at the maintenance planning process** *Gessica Umili*	**108. Rock mechanical optimization of the shape and depth for a high-pressure lined rock cavern** *Lauri Uotinen*
11:20 - 11:40	**221. Quantifying anisotropies in geotechnical parameters from pressuremeter testing in soft rocks** *Lang Liu*	**291. Evaluation of the impact of heating and subsequent liquid nitrogen cooling on the properties of Rajahmundry basalt** *Rajeswar Das*		**161. Hydrogeological investigations in slow-moving landslides** *Roberta Narcisi*	**110. Towards developing a large-scale 3D in-situ stress model** *Sanyam Ghimire*
11:40 - 12:00	Coffe break				
Hall	**Cosmos 1 & 2**	**Cosmos 3A**	**Cosmos 3B**	**Cosmos 3C**	**Cosmos 3D**
	Session 32	**Session 33**	**Session 34**	**Session 35**	**Session 36**
	Theme 06: Ground Investigations	**Theme 07: Laboratory Testing of Rock**	**Theme 03: Rock Mass Characterization**	**Theme 10: Geohazards**	**Theme 11: 3D Modeling and Visualization**
Chair	NN	NN	NN	NN	NN
Co-Chair	NN	NN	NN	NN	NN
12:00 - 12:20	**256. Investigating Roof Bolt Efficacy in Blast-Induced Damage Zone Around the Footwall Drive of an Underground Copper Mine** *Satyam Choudhury*	**292. Anisotropic Behavior of Schists Under Brazilian Test Conditions** *Abhilash Mishra*	**77. Unexposed rock joint identification based on point cloud analysis** *Chia-Chi Chiu*	**213. Effect of coal seam gradient on the stability of internal dump in opencast coal mines** *Sreenivasa Rao Islavath*	**116. Measuring physical aperture of a fracture affected by dislocation using photogrammetry** *Masoud Torkan*
12:20 - 12:40	**260. Practical experience during rock stress measurements by using HF and HTPF methods at Rødal HPP** *Dirk Van Oosterhout*	**294. Enhancing Chalk Formation Integrity by Diammonium Phosphate Treatment: A Study on Downhole Cores** *Mahmoud Desouky*	**126. Application of Qslope classification in seismic prone regions** *Milorad Jovanovski*	**183. Factor of safety analysis in fractured multi-layered slopes** *Kévin Elkharrat*	**147. Numerical assessment on the influence of faults in In-situ stress state distribution** *Bikash Chaudhary*
12:40 - 13:00	**280. Engineering geology in bridge design: Tower foundation stability - New Sotra Bridge** *Stian Femanger Mathiassen*	**299. Study the Impact of Fluid Formulations on Sandstone Rocks Through Core Flooding Experiments and Uniaxial Compressive Strength Tests** *Raghavendra Maddirala*	**52. A novel data-driven criterion to predict peak shear strength of rock fractures between different rock types** *Jinfan Chen*		**164. Discontinuum Response of Jointed Rock Tunnels under Impact Loads** *Balakrishna K*
13:00 - 14:00	Lunch				
14:00 - 14:50	Keynote 7 - Charlie Li				
14:40 -14:50	Short break				
Hall	**Cosmos 1 & 2**	**Cosmos 3A**	**Cosmos 3B**	**Cosmos 3C**	**Cosmos 3D**
		Session 37	**Session 38**	**Session 39**	**Session 40**
		Theme 07: Laboratory Testing of Rock	**Theme 03: Rock Mass Characterization**	**Theme 10: Geohazards**	**Theme 11: 3D Modeling and Visualization**
Chair		NN	NN	NN	NN
Co-Chair		NN	NN	NN	NN
14:50 - 15:10		**309. Determining Elastic Constants of Transversely Isotropic Rock Using Digital Image Correlation and Strain Inversion from a Single Core** *Seungki Hong*	**169. Proposals for development of protocols for in-situ stress characterization** *Asieh Hamidi*	**28. Monitoring Bonnard rock glacier under the effect of climate change** *Erika Prina Howald*	**177. Research on the structure optimization of gravity-type foundation for onshore wind turbines** *Jianqiang Deng*
15:10 - 15:30		**312. Mechanical behaviour of granite with naturally occurring open-joints under compression** *Susmita Chaudhury*	**49. Numerical Modelling of Uniaxial Compressive Tests on Sille Bimrock** *Nazlı Tunar Özcan*	**238. Are fault-slip rockbursts triggered by static or dynamic effects?** *Qinghua Lei*	**195. Transberg Method. Utilising Drone Photogrammetry to create real time hazard maps and optimise slope monitoring.** *Glen Guy*
15:30 - 15:50		**313. Evaluation of strength and deformation characteristics of quartzite-schist composite specimens under uniaxial compression** *Manali Sarkar*	**218. Detailed rock mass characterization along a highway cross Chuhuangkeng Anticline** *Yachu Chiu*	**282. Evaluation and mitigation of rockfalls in the slope of El Tormillo,Spain** *Juan Manuel P. Sanjurjo*	**211. A Novel Implementation of a New Cloud Framework for High Performance Computing (HPC) in Geomechanical Applications** *Ali Bonakdar*
15:50 - 16:10	Coffe break				

Hall	Cosmos 1 & 2	Cosmos 3A	Cosmos 3B	Cosmos 3C	Cosmos 3D
		Session 41	Session 42	Session 43	Session 44
		Theme 07: Laboratory Testing of Rock	Theme 03: Rock Mass Characterization	Theme 10: Geohazards	Theme 11: 3D Modeling and Visualization
Chair		NN	NN	NN	NN
Co-Chair		NN	NN	NN	NN
16:10 - 16:30		**314. Influence of temperature on physico-mechanical properties of granite with reference to microcrack analysis** *Rishimon Munshi*	**232. A simple kriging technique for characterising geotechnical zones of a Zimbabwean Great Dyke deposit** *Tawanda Zvarivadza, Hendrik Grobler, Moshood Onifade*	**285.Impact of Joint Orientation on Rock Mass Erosion: Insights from Physical Spillway Model Testing** *Vineeth Reddy Karnati*	**257. Integrating Ground Investigations and 3D Modeling to Assess the Dynamic Response of Low-Rise Residential Buildings to Blast-Induced Vibrations** *Monika Tewari*
16:30 - 16:50		**565. Experimental Study of Thermal-Hydro-Mechanical Behavior of Gneiss Under True Triaxial Compression** *Zaobao Liu*	**234. Integrating non-contact surveys to characterize rock masses: the URLA case study** *Mateusz Janiszewski*	**308. Quantification of rockfall breakage in underground mines and rock engineering** *Álvaro Vergara Barría*	**258. Are We Being Deceived by Visually Appealing Models?** *Emilie Kolstø Strømøy, Marcus Lawton*
16:50 - 17:10			**242. An experimental investigation of fault gauge material under confined conditions** *Aigerim Sekerbayeva*	**37. Solutions for draining the Åknes rockslide, Norway** *Nicole Ragvin*	**306. Digital solutions for rock cuts – Experiences from the Være rock cut, E6 Ranheim – Værnes** Sander Zakariassen
18:00 -19:00	**Closing Ceremoney**				