D1 - Technical Discussions Sessions - Monday 2nd of September - 13:50 - 15:40

TC101 Laboratory Testing TC discussion session I				D1-1-Monday Mechanics of soils related to time, temperature and chemistry	TC101-I
Levenberg	Eyal	Denmark	12	Time-Dependent Resilient Response of Unbound Granular Materials	
Winters	Katherine Elaine	USA	94	Compaction characteristics of calcareous sands for distilled water, saline and isopropyl alcohol pore fluids.	
Sørensen	Kenny Kataoka	Denmark	143	Effects of pore water chemistry on the unloading-reloading behaviour of reconstituted clays	
Peri	Elena	Denmark	147	Interpretation of consolidation and creep on chalk	
Justo	Jon	Spain	285	Influence of temperature on the tensile strength of a limestone and a marble	
Lechowicz	Zbigniew	Poland	338	Evaluation of creep behaviour of organic soils in Torsional Shear Hollow Cylinder tests	
Sebastiani	Diego	Italy	1007	Chemical Interaction Between Fine Grained Soil and Foaming Agents in Mechanized Tunnelling with TBM-EPB	
Levin	Friedrich	Germany	144	Experimental results and constitutive model for time-dependent behaviour of sands under oedometric compression	
Spagnoli	Giovanni	Germany	166	The impact of mineralogy and chemical conditioning on the mechanical and adhesive properties of clays	
MASROURI	Farimah	France	274	Thermo-mechanical behavior of soil-structure interface	

TC103 Numerical methods TC discussion session I				D1-2-Monday Numerical methods	TC103 - I
Golchin	Ali	Netherlands	712	A thermodynamically based thermo-mechanical model for fine-grained soils	
Kadlicek	Tomas	Czech Republic	820	Evaluation of automatic calibration software for advanced soil constitutive models	
Chassagne	Claire	Nederland	847	Understanding the natural consolidation of slurries using colloid science	
Ter-Martirosyar	Zaven	Russia	1040	The experience of determining the long-term settlements of increased liability buildings and structures	
Žvanut	Pavel	Slovenia	319	Lessons learned from the monitoring of retaining structures, built in demanding geotechnical conditions in Slovenia	
NAGULA	SPARSHA SINDURI	Germany	1021	Numerical simulation of vibroflotation based on CEL approach	
Savatier	Vincent	France	826	Deisgn and optimization of rigid inclusions under an embankment on soft soil in highly seismic area	
Koivisto	Kirsi	Finland	747	Effect of pore water pressure on the rutting of low-volume roads with varying pavement structures	
Andresen	Lars	Norway	714	Slope failure in sensitive clay, a case study	
Mandolini	Alessandro	United Kingdom	839	Theoretical and experimental investigation of the multiaxial soil response around monopile foundations	

TC102 In-Situ Testing TC discussion session I				D1-3-Monday In-Situ Testing	TC102-I
Di Buo	Bruno	Finland	498	Compressibility of Finnish sensitive clay	
Yang	Shaoli	Norway	48	Undrained shear strength of marine clays based on CPTU data and SHANSEP parameters	
Mayne	Paul Wesley	USA	153	Analytical CPTu model for sensitive clay at Tiller-Flotten	
Tschuchnigg	Franz	Austria	182	KIM – An Efficient Tool for Estimating the Relative Density in Calcareous Sands	
Arroyo	Marcos	Spain	190	Enhanced cone penetration test interpretation with the Particle Finite Element Method (PFEM)	
Lengkeek	Henri John	Nederland	248	Full-scaled load testing on long prefabricated concrete piles in Port of Rotterdam	
Valsson	Sigurdur Mar	Norway	617	Detecting highly sensitive materials with CPTu in Norway	
Pfaffhuber	Andreas Aspmo	Norway	398	Large scale & efficient geotechnical soil investigations - applying machine learning on airborne geophysical models	
Ólafsdóttir	Elín Ásta	Iceland	772	Benchmarking of an open source MASW software using data from four GeoTest sites in Norway	
Hansson	Pia Margaretha	Sweden	938	To perform geotechnical investigations in an (close to?) inaccessible terrain	

TC211 Ground Improvement TC discussion session I				D1-4-Monday Ground Improvement	TC211 - I
Nagy	Peter	Austria	78	Quality control of deep vibro compaction based on the vibrator movement	
Vink	Jan-Willem	Nederland	299	Heavy rapid impact compaction of carriageway for transportation of railway bridge in Muiderberg, the Netherlands	
Lin	Hongjie	Hong Kong	186	Durability Assessment of Polymer-based Construction Materials and its application in Synthetic Water Repellent Coatings for Soils	
Sagaseta	César	Spain	220	Critical length of stone columns	
Koivulahti	Marjo Susanna	Finland	738	Deep soil mixing – Finnish guideline for stabilisation tests	
Burtin	Pierre	France	377	Interactions between ground improvement and earthworks of a water treatment plant in Alpine valley.	
Topolnicki	Michal	Poland	811	Design and performance of road embankment supported on rigid inclusions and a load transfer platform with steel geogrid	
Kanty	Piotr Tadeusz	Poland	974	Design of high road embankments on improved ground	
Haas	Sonja	Germany	868	Soil improvement with quicklime - quantification of the carbonation rate in an embankment after 34 years	

TC305 Megacities - TC discussion session				D1-5-Monday Megacities	TC305
Zhussupbekov	Askar	Kazakhstan	1093	Geotechnical geoinformation data base for new capital Astana	
Wolfgang	Sondermann	Germany	1094	Innovations to support developments of infrastructure for mega-cities	
Boominathan	Adimoolam	India	1095	Numerical analysis on mitigation of liquefaction induced uplift of shallow tunnels	
Mangushev	Rashid	Russia	1097	Foundations of unique buildings and structures of St. Petersburg in difficult soil conditions.	
Marchetti	Diego	Italy	1096	State of art on DMT and SDMT technology for soil investigations	
Tradigo	Fabio	Italy	725	Blue-green infrastructures and groundwater flow for future development of Milano (Italy)	
Mirsayapov	Ilizar	Russia	957	Calculation model of bearing capacity plate-pile foundations under cyclic loading	
Gerressen	Franz-Werner	Germany	131	Deep/extra deep diaphragm walls – Increasing demand for infrastructure in Megacities drives the requirement of increasing depth for diaphragm w	
Korff	Mandy	Italy	370	Combined subsidence phenomena in high-rise built urban areas: numerical study for Frankfurt am Main	
Le	Binh Thanh	Vietnam	506	Soil displacements due to tunnelling in soft soil in the metro line Ben Thanh – Suoi Tien in Ho Chi Minh city - Vietnam	

TC304 Engineering Practice of Risk TC discussion session				D1-6-Monday Engineering Practice of Risk	TC304
Martinelli	Mario	Italy	449	Parameter determination for hypoplastic model using an inverse analysis algorithm	
Bakker	Hendrik Lambertu	Netherlands	74	PMMS – Probabilistic Model for Macro Stability – with layer boundary uncertainties. General description and example	
Haasnoot	Jacco	Netherlands	58	Macro-stability assessment of dikes using two different probabilistic models	
Liu	Zhongqiang	Norway	524	Displacement prediction of step-like landslide based on time series analysis and long-short term memory neural network	
Heeling	Anne	Germany	44	Subsoil disturbance due to explosive ordnance site investigation	
Chung	Ming-Chien	Taiwan	397	Relationship between Rainfall Characteristics and Slope Stability: Case study of Taipingshan landslide in Taiwan	
Woning	Mike	Netherlands	494	Climate-resilient roads in Paraguay; Mapping the risks and advising adaptive mitigation measures	
Langford	Jenny	Norway	41	Risk assessment of construction vibrations for the New Viking museum in Oslo – management of need for mitigating efforts for geotechnical works	
Bozo	Luljeta	Albania	701	The dangerous phenomenas and littoral tourism	

TC105 Geo-mechanics - TC discussion session			D1-7-Monday Geo-mechanics		TC105
Cinicioglu	Özer	Turkey	978	Multiscale analysis of active state failure behind a retaining wall	
Kirichek	Alex	Nederland	849	Revising the definition of fluid mud by defining new protocols for rheological measurements	
Ciantia	Matteo Oryem	United Kingdom	958	Breakage and critical state via DEM	
Kokošin	Jure	Norway	315	The designing of a Three-levels Excavation Pit in Soft and Sensitive Clays in Oslo, Norway.	
Kirstein	Joachim Maaløe	Denmark	430	Foundation Subgrade Reactions	
Viking	Kenneth	Sweden	317	Dynamic soil-structure transfer of vibro-driven sheet piles -simplyfied mechanism	
Ramon	Anna	Spain	666	Reducing water effects on the behaviour of coarse granular aggregates	
Alamanis	Nikolaos	Greece	10	Effect of spatial variability of soil properties on the stability and permanent seismic displacements of highway slopes	
Viking	Kenneth	Sweden	275	Major vibration source during vibratory sheet pile driving – shaft versus toe	
EL HAJJAR	Ahmad,	France	998	Desiccation and cracking behaviour of clayey soils: experimental characterization and mechanisms identification	