

26th European Young Geotechnical Engineers Conference 2018

Final Programme

Tuesday, 11.09.2018	
2:00 - 7:00 PM:	Check in „Der Klugbauer“ www.klugbauer.at
7:00 - 10:00 PM:	Dinner Restaurant „Der Klugbauer“

Wednesday, 12.09.2018	
7:00 - 8:15 AM:	Breakfast Breakfast room „Der Klugbauer“

8:30 - 9:00 AM:	Welcome (Prof. H.F. Schweiger) & Housekeeping (Dr. F. Tschuchnigg) Welcome Address (Prof. M. Manassero, Vice-President of ISSMGE for Europe)
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	Chairperson: Prof. H.F. Schweiger
9:00 - 9:30 AM:	Keynote lecture I Prof. J. Logar: <i>Case histories of static axial pile load tests</i>
9:30 - 10:45 AM:	Presentation session I
	<i>On the soil-structure Interaction of surface strip footings at ultimate limit state</i> (C. Garbellini)
	<i>Damage risk assessment of buildings due to dike strengthening</i> (B.W. Wehrmann)
	<i>Improvements in emergency responses for geotechnical failures – a case study from the 2015 Boxing Day floods</i> (R. Spence)
	<i>New procedures to evaluate the performance of protection barriers in rockfall risk assessment</i> (A. Mentani)
	<i>Random bearing capacity evaluation of shallow foundations for Prandtl's and multi-block failure mechanisms with spatial averaging and self-weight of soil included</i> (M. Chwała)
10:45 - 11:15 AM:	Coffee break

	Chairperson: Prof. D. Adam
11:15 AM - 1:15 PM:	Presentation session II
	<i>Erosion experiments on fine grained soils and their theoretical evaluation (J. Welsch)</i>
	<i>Study of the soil compressibility as a foundation soil by using an original apparatus (A. Ilaş)</i>
	<i>Field and laboratory investigations to evaluate the coefficient of earth pressure at rest – NGTS Tiller-Flotten quick clay test site (A. Lindgård & C.S. Ofstad)</i>
	<i>Some mechanical properties of Medininkai glacial period overconsolidated moraine clay (I. Lekstutyté)</i>
	<i>Large-scale in-situ tests for proven foundation techniques in representative Vienna ground (J. Wagner)</i>
	<i>Evaluating shrinkage behaviour of stabilised Cyprus/Kythrea group clays using close-range photogrammetry and free shrinkage (A. Ekinci)</i>
	<i>Thermal-mechanical behaviour of saturated soil: A review study (S. Wang)</i>
	<i>Application of bentonite in waterproofing of underground structures (I. Pavlič)</i>

1:15 – 2:15 PM	<i>Lunch break</i>
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	Chairperson: Prof. R. Marte
2:15 – 2:45 PM	Keynote lecture II Dr. C. Kummerer: <i>From Terzaghi to BIM - challenges from the geo-contractors perspective</i>
2:45 – 4:15 PM	Presentation session III
	<i>Geotechnical risk assessment on Albanian historical bridges (M. Gega)</i>
	<i>Geotechnical analysis of a gallery under a large concrete base slab. A case study of the European Spallation Source project in Sweden (A. Troya Diaz)</i>
	<i>Effect of the soil-foundation-structure interaction in the seismic assessment of the Carmine Bell Tower in Napoli (F. de Silva)</i>
	<i>Monitoring the construction of a large diameter caisson in clay (R. Royston)</i>
	<i>Analysis of alternative solutions for Terramesh system (A. Raič)</i>
	<i>Intelligent earthworks optimization system (M. Parente)</i>
4:15 – 4:45 PM	<i>Coffee break</i>

	Chairperson: Dr. C. Kummerer
4:45 – 6:00 PM	Presentation session IV
	<i>Quality control by CPT and DMT testing in compacted hydraulic fills (A. van Tongeren)</i>
	<i>Numerical simulation of CPTu under partially drained conditions (L. Hauser)</i>
	<i>Detecting highly sensitive materials with CPTu in Norway using machine learning (S.M. Valsson)</i>
	<i>Liquefaction evaluation based on hybridized CPT- and VS-based method (Z. Bán)</i>
	<i>Cyclic pressuremeter tests – Shear modulus determination at low strain rate (A. Lopes dos Santos)</i>

7:00 – 8:00 PM	Dinner
	Restaurant „Der Klugbauer“

8:15 – 11:00 PM	Get-together with Keller Holding, Europe (Sponsor of conference)
	Short presentation of Keller Group by Thorsten Holl, President EMEA

Thursday, 13.09.2018	
7:00 - 8:30 AM:	Breakfast
	Breakfast room „Der Klugbauer“

	Chairperson: Prof. M. Manassero
8:45 - 9:15 AM:	Keynote lecture III Prof. D. Adam: <i>Geothermal energy from ground and groundwater – Innovation in sustainable development</i>
9:15 - 10:45 AM:	Presentation session V
	<i>Reliability assessment of the earth embankment (S. Kos)</i>
	<i>Generalized rheological model of clay soil under shear and methods used to determine its parameters (Z.A. Ter-Martirosyan)</i>
	<i>Infrastructural projects and the difficulties of project applying (E. Bozo)</i>

	<i>Problems with railway track drainage in Finland (J. Latvala)</i>
	<i>Long-term performance of mass stabilization (P. Piispanen)</i>
	<i>Ground treatment and stabilization of a railway embankment in failure state (M. Chludziński)</i>

10:45 - 11:15 AM:	<i>Coffee break</i>
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	Chairperson: Dr. F. Tschuchnigg
11:15 AM - 12:45 PM:	Presentation session VI
	<i>Predicting pile driving induced movements in Gothenburg soft clay (Y. Attari)</i>
	<i>Numerical model of the 'pile – subgrade' system loaded with horizontal force (M. Kreczmar)</i>
	<i>An innovative design methodology for offshore wind monopile foundations (S. Panagoulas)</i>
	<i>Laboratory experimental research of tension piles performance under horizontal load action (S. Yesakova)</i>
	<i>Numerical modeling of piles constructed through different techniques in sandy soils (S. Sargin)</i>
	<i>Effects of pile modelling in case of rigid inclusion ground improvement (K. Lödör)</i>

12:45 – 2:00 PM	<i>Lunch break</i>
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	Chairperson: Prof. J. Logar
2:00 – 2:30 PM	Keynote lecture IV Prof. H.F. Schweiger: <i>The role of numerical modelling in practical geotechnical engineering</i>
2:30 – 4:00 PM	Presentation session VII
	<i>2D seismic analysis of overpressured submerged slopes (A. Stoecklin)</i>
	<i>Physical modelling of rainfall-induced slope instabilities in unsaturated silty sand (B. Susinov)</i>
	<i>The use of soil-structure interaction for cost effective design of vertical loaded embedded abutment walls (N. Bruce)</i>

	<i>Steel fibre reinforced concrete segmental lining in the Czech Republic (J. Beño)</i>
	<i>Seasonal soil moisture changes under mat foundations in Nicosia marl (G. Lazarou)</i>
	<i>Deformation and strength properties of the stone columns (crushed stone piles) (G. Anzhelo)</i>

4:00 – 4:30 PM	<i>Coffee break</i>
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	Chairperson: Prof. H.F. Schweiger
4:30 – 5:45 PM	Presentation session VIII
	<i>Finite element analyses for fracture assessment of rocks through an energetic approach: application of the SED criterion (J. Justo)</i>
	<i>Effect of mean stress dependency of elastic soil moduli on the constitutive behavior of sand through UBCSAND (E. Tattlioglu)</i>
	<i>The Influence of boundary conditions on the results of nonlinear dynamic numerical analyses (A. Oblak)</i>
	<i>Numerical modeling of structures fencing deep excavations of complex configuration (A. Dvornyk)</i>
	<i>A finite element study of studcan interaction with boulders (H. Curtis)</i>

7:00 – 8:00 PM	Dinner
	Restaurant „Der Klugbauer“

8:15 – 11:00 PM	Social event
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Friday, 14.09.2018

07:00 - 09:00 AM: *Breakfast*
Breakfast room „Der Klugbauer“

9:00 AM - 1:30 PM: **Excursion (ends in Graz)**

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