

## 26<sup>th</sup> European Young Geotechnical Engineers Conference 2018

### Programme Overview (Version 10.07.2018)

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

Wednesday, 12.09.2018	
7:00 - 8:00 AM:	<b>Breakfast</b> Breakfast room „Der Klugbauer“

8:15 - 8:45 AM:	<b>Welcome</b> (Prof. H.F. Schweiger) & <b>Housekeeping</b> (Dr. F. Tschuchnigg) <b>Welcome Address</b> (Prof. M. Manassero, Vice-President of ISSMGE for Europe)
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	<b>Chairperson:</b> Prof. H.F. Schweiger
8:45 - 9:15 AM:	<b>Keynote lecture I</b> <b>Prof. J. Logar:</b> <i>Case histories of static axial pile load tests</i>
9:15 - 10:45 AM:	<b>Presentation session I</b>
	<i>Reliability assessment of the earth embankment</i> (S. Kos)
	<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)

<b>10:45 - 11:15 AM:</b>	<i>Coffee break</i>
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	<b>Chairperson:</b> Prof. D. Adam
<b>11:15 AM - 1:15 PM:</b>	<b>Presentation session II</b>
	<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 &amp; C.S. Ofstad)</i>
	<i>Some mechanical properties of Medininkai glacial period overconsolidated moraine clay (I. Lekstutytė)</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>

<b>1:15 – 2:15 PM</b>	<i>Lunch break</i>
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	<b>Chairperson:</b> Prof. R. Marte
<b>2:15 – 2:45 PM</b>	<b>Keynote lecture II</b> <b>Dr. C. Kummerer:</b> <i>From Terzaghi to BIM - challenges from the geo-contractors perspective</i>
<b>2:45 – 4:15 PM</b>	<b>Presentation session III</b>
	<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>

<b>4:15 – 4:45 PM</b>	<i>Coffee break</i>
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	<b>Chairperson:</b> Dr. C. Kummerer
<b>4:45 – 6:00 PM</b>	<b>Presentation session IV</b>
	<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>

<b>7:00 – 8:00 PM</b>	<b><i>Dinner</i></b>
	Restaurant „Der Klugbauer“

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

<b>Thursday, 13.09.2018</b>	
<b>7:00 - 8:15 AM:</b>	<b><i>Breakfast</i></b>
	Breakfast room „Der Klugbauer“

	<b>Chairperson:</b> Prof. M. Manassero
<b>8:30 - 9:00 AM:</b>	<b>Keynote lecture III</b> <b>Prof. D. Adam:</b> <i>Geothermal energy from ground and groundwater – Innovation in sustainable development</i>
<b>9:00 - 10:30 AM:</b>	<b>Presentation session V</b>
	<i>Frequency analysis of accelerometer measurements on trains (J. Majala)</i>

	<i>Feasibility of using olive biomass bottom ash in the sub-bases of roads and rural paths (M. Cabrera)</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>

<b>10:30 - 11:00 AM:</b>	<i>Coffee break</i>
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	<b>Chairperson:</b> Dr. F. Tschuchnigg
<b>11:00 AM - 1:00 PM:</b>	<b>Presentation session VI</b>
	<i>Predicting pile driving induced movements in Gothenburg soft clay (Y. Attari)</i>
	<i>First natural frequency of an offshore wind turbine founded on monopile: challenge and evaluation (L. Kerner)</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 modelling by finite elements for a pile foundation under lateral cyclic action in sandy soil (A. Drăguşin)</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. Lődör)</i>

<b>1:00 – 2:00 PM</b>	<i>Lunch break</i>
	<b>Chairperson:</b> Prof. J. Logar
<b>2:00 – 2:30 PM</b>	<b>Keynote lecture IV</b> <b>Prof. H.F. Schweiger:</b> <i>The role of numerical modelling in practical geotechnical engineering</i>
<b>2:30 – 4:00 PM</b>	<b>Presentation session VII</b>
	<i>2D seismic analysis of overpressured submerged slopes (A. Stoecklin)</i>

	<i>Physical modelling of rainfall-induced slope instabilities in unsaturated silty sand</i> (B. Susinov)
	<i>The use of soil-structure interaction for cost effective design of vertical loaded embedded abutment walls</i> (N. Bruce)
	<i>Steel fibre reinforced concrete segmental lining in the Czech Republic</i> (J. Beňo)
	<i>Seasonal soil moisture changes under mat foundations in Nicosia marl</i> (G. Lazarou)
	<i>Deformation and strength properties of the stone columns (crushed stone piles)</i> (G. Anzhelo)

<b>4:00 – 4:30 PM</b>	<i>Coffee break</i>
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	<b>Chairperson:</b> Prof. H.F. Schweiger
<b>4:30 – 6:00 PM</b>	<b>Presentation session VIII</b>
	<i>Finite element analyses for fracture assessment of rocks through an energetic approach: application of the SED criterion</i> (J. Justo)
	<i>Effect of mean stress dependency of elastic soil moduli on the constitutive behavior of sand through UBCSAND</i> (E. Tatlioglu)
	<i>The Influence of boundary conditions on the results of nonlinear dynamic numerical analyses</i> (A. Oblak)
	<i>Numerical modeling of structures fencing deep excavations of complex configuration</i> (A. Dvornyk)
	<i>A finite element study of studcan interaction with boulders</i> (H. Curtis)
	<i>Generalized rheological model of clay soil under shear and methods used to determine its parameters</i> (Z.A. Ter-Martirosyan)

<b>7:00 – 8:00 PM</b>	<b>Dinner</b> Restaurant „Der Klugbauer“
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<b>8:15 – 11:00 PM</b>	<b>Social event</b>
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**Friday, 14.09.2018**

<b>07:00 - 09:00 AM:</b>	<b><i>Breakfast</i></b>
	Breakfast room „Der Klugbauer“
<b>9:00 AM - 1:30 PM:</b>	<b>Excursion (ends in Graz)</b>

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