

<b>16 May 2016</b>	
08:00-08:45	<b>Registration</b>
08:45-09:00	<b>Opening Address</b>
	<b>Session 1: Micromechanics I</b>
09:00-09:30	A. Tordesillas: <i>Harnessing granular complexity in material design: a journey through scale-space</i>
09:30-10:00	J.M. Pereira: <i>Micromechanical insights into the behaviour of unsaturated granular materials: experiments and modelling</i>
10:00-10:30	I. Herle: <i>Links between phenomenological and micromechanical soil behaviour</i>
10:30-11:00	<b>BREAK</b>
	<b>Session 2: Micromechanics II</b>
11:00-11:30	T. Matsushima: <i>Micromechanical aspects of natural formation process of geological grains</i>
11:30-12:00	S. Hall: <i>Measurement of force and strain distribution in granular materials</i>
12:00-12:30	J. Ooi: <i>DEM modelling of cohesive and cementitious materials – model conceptualisation, calibration and validation</i>
	<b>LUNCH</b>
	<b>Session 3: Micromechanics III</b>
14:00-14:30	J. Andrade: <i>Level-Set DEM (LS-DEM): a new tool for computational particle mechanics</i>
14:30-15:00	G. Buscarnera: <i>Continuum modeling of delayed breakage: exploring the role of grain-scale fracture kinetics</i>
15:00-15:30	G. Della Vecchia: <i>A microstructural model for hydraulic conductivity evolution due to brittle damage</i>
15:30-15:50	<b>BREAK</b>
	<b>Session 4: Multiphysics I</b>
15:50-16:20	M. Veveakis: <i>Unconventional Geomechanics: Constitutive modelling and energy-based bifurcation analysis of multiscale, multiphysical mechanisms driving the macroscopic</i>

	<i>response of Geomaterials</i>
16:20-16:50	C. Jommi: <i>Investigating the bio-hydro-mechanical behaviour of peats</i>
16:50-17:20	C. Santamarina: <i>Mineral Dissolution and Precipitation - Implications</i>
17:20-17:40	<b>BREAK</b>
	<b>Session 5: Multiphysics II</b>
17:40-18:10	W. Sun: <i>A multiscale eigenerosion method for propagating fractures in fluid-infiltrating porous media</i>
18:10-18:40	G. Musso: <i>Some geomechanical issues of relevance for energy production</i>
18:40-19:10	

<b>17 May 2016</b>	
	<b>Session 6: Analytical and Numerical Methods I</b>
09:00-09:30	M. Sanchez: <i>Mechanical and Numerical Modeling of Gas Hydrate Bearing Sediments</i>
09:30-10:00	K. Soga: <i>Large deformation modelling in geomechanics</i>
10:00-10:30	J. Desrues: <i>From discrete to continuum approach of BVP in geomechanics: FEM-DEM integrated approach</i>
10:30-11:00	<b>BREAK</b>
	<b>Session 7: Constitutive Modelling I</b>
11:00-11:30	I. Einav: <i>Thermodynamics of effective stress of partially saturated soils</i>
11:30-12:00	R.I. Borja: <i>A constitutive framework for double-porosity materials with evolving internal structure</i>
12:00-12:30	D. Kolymbas: <i>Some aspects of barodesy</i>
	<b>LUNCH</b>
	<b>Session 8: Constitutive Modelling II</b>
14:00-14:30	D. Mašin: <i>Recent advances on hypoplasticity with explicit asymptotic states</i>
14:30-15:00	B. Chareyre: <i>From plasticity to viscoplasticity in flowing geomaterials: what do we learn from numerical models?</i>
15:00-15:30	A. Papadimitriou: <i>Fabric evolution of sands and its effects on the response of surface foundations</i>
15:30-15:50	<b>BREAK</b>
	<b>Session 9: Constitutive Modelling III</b>
15:50-16:20	C. di Prisco: <i>A constitutive modelling approach for the description of rapid granular flows: from the inception to the arrest</i>
16:20-16:50	J. Vaunat: <i>A macroscopic framework to model materials with evolving pore size distribution</i>

16:50-17:10	<b>BREAK</b>
	<b>Session 10: Analytical and Numerical Methods II</b>
17:10-17:40	J. Sulem: <i>Multiphysics couplings and instability in Geomechanics</i>
17:40-18:10	R. Conti: <i>Viscous regularization for Cam-Clay plasticity: how to handle subcritical softening</i>
20:30	<b>WORKSHOP BANQUET</b>

<b>18 May 2016</b>	
	<b>Session 11: Experimental Geomechanics</b>
09:00-09:30	W. Wu: <i>Experimental and numerical study of debris flow</i>
09:30-10:00	S. Foti: <i>Data integration in site characterization</i>
10:00-10:30	E. Romero: <i>Exploring air migration in argillaceous formations: experimental results and numerical modelling</i>
10:30-11:00	M. Santagata: <i>Behavior of ultra-soft clay-water systems</i>
11:00-11:20	<b>BREAK</b>
	<b>Session 12: Engineering Applications</b>
11:20-11:50	M. Taiebat: <i>Influence of the mechanical behavior of natural structured soils on the system response in mechanized tunneling</i>
11:50-12:20	E. Bilotta: <i>Seismic behaviour of tunnels in sand</i>
12:20-12:50	L. de Sanctis: <i>Importance of dynamic soil structure interaction in the seismic performance analysis of buildings founded on piles</i>
12:50	<b>Closure</b>