

3rd edition of the Short Mediterranean PhD School "From sustainable to regenerative and resilient design"

Monday 10/10		Tuesday 11/10	Wednesday 12/10	Thursday 13/10				Friday 14/10	Saturday 15/10
Plenary session			Parallel sessions				Interdisciplinary applications	Plenary session	
			Geotechnics	Hydraulics/Environment	Transport	Buildings/Architecture			
9:00-10:00	Opening ceremony	<i>Chairman Luigi Stendardo</i>	<i>Chairman Stefano Papirio</i>	<i>Chairman Francesco Silvestri</i> Alessandro Tarantino (University of Strathclyde, Glasgow, UK) "Suction-based geotechnical design: uncoupled hydro-mechanical analysis and stability case studies" Katerina Tsiampousi (Imperial College, London, UK) "Suction-based geotechnical design: coupled hydro-mechanical analysis of boundary value problems"	<i>Chairman Giovanni Esposito</i> Rudy Gargano (University of Cassino and Southern Lazio, Italy) "Reliability of hydraulic systems: basic concepts and few applications"	<i>Chairman Daniela Tocchi</i> Vittorio Marzano (University of Naples Federico II, Italy) "Trending topics in sustainable freight transport planning and policy-making"	Talk Luigi Stendardo, Rosanna La Rocca, Lorenzo Diana, Floriana Zucaro (University of Naples Federico II, Italy) "Trans-disciplinary interactions through regenerative design"	Application (Type B)	Application (Type A)
10:00-11:00	<i>Chairman Francesco Pirozzi</i> Mariacristina Lavagnolo (University of Padova, Italy) "Circular economy of waste and materials for sustainable engineering"	Carlos Francisco Luca Dias Coelho (Universidade Tecnica de Lisboa, Portugal) "Formaurbis LAB - fundamental research and applications: the city and the sea level rise"	Willy Verstraete (University of Gent, Belgium) "Engineering microbial cleantech for environmental sustainability"						
11:00-11:30	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK				COFFEE BREAK	
11:30-12:30	<i>Chairman Andrea Papola</i> Max Brandt (Directorate-General for Migration and Home Affairs, EC, Belgium) "The European Commission perspective on Resilient Infrastructure"	<i>Chairman Stefania Stevenazzi</i> Giovanna Antonella Dino (University of Turin, Italy) "Mineral waste management and recovery: Focus on rocks and soils from excavation and extractive waste"	<i>Chairman Ilaria Henke</i> Ennio Cascetta (Universitas Mercatorum, Italy) "The seventh transport revolution and the new challenges of sustainable mobility"	<i>Chairman Giampiera Russo</i> Alessandro Tarantino (University of Strathclyde, Glasgow, UK) "Vegetation as boundary condition of the geotechnical problem: the concept of soil-plant-atmosphere continuum and monitoring techniques" Katerina Tsiampousi (Imperial College, London, UK) "Vegetation as boundary condition of the geotechnical problem: numerical modelling and case studies"	<i>Chairman Giovanni Esposito</i> Rudy Gargano (University of Cassino and Southern Lazio, Italy) "Reliability of hydraulic systems: basic concepts and few applications"	<i>Chairman Gianluca Dell'Acqua</i> Gilda Ferrotti (Polytechnic University of Marche, Italy) "Investigating performance and efficiency of sustainable asphalt pavements"	Talk Luigi Stendardo, Rosanna La Rocca, Lorenzo Diana, Floriana Zucaro (University of Naples Federico II, Italy) "Trans-disciplinary interactions through regenerative design"	Application (Type B)	Awards and closing ceremony
12:30-13:30	<i>Chairman Mario Coppola</i> Niccolo Casas (Niccolo Casas Architecture, Firenze, Italy) "Towards a regenerative design"								
13:30 -14:45	LUNCH	LUNCH	LUNCH	LUNCH				LUNCH	
14:45-15:45	<i>Chairman Francesco De Paola</i> Gianluca Botter (University of Padova, Italy) "Simulating stream network dynamics induced by hydro-climatic fluctuations"	<i>Chairman Ferdinando Marinelli</i> Alessandro Tarantino (University of Strathclyde, Glasgow, UK) "Low-carbon approaches in geotechnical engineering design"	<i>Chairman Ferdinando Marinelli</i> Katerina Tsiampousi (Imperial College, London, UK) "Geotechnical technologies for climate adaptation in urban spaces"	Application (Type A)				Application (Type C) From survey to data processing for 3D model construction. Hands-on applications on the use of UAS-based, lidar data for 3D model production and 3D printing	
15:45-16:45	<i>Chairman Giovanni Esposito</i> Piet N.L. Lens (National University of Ireland Galway) "Redesign of wastewater collection and treatment to develop and expand the bioeconomy"	<i>Chairman Vincenzo Punzo</i> Biagio Cluffo (Joint Research Centre, Varese, Italy) "Policy embraces connected and automated vehicles as a tool to solve transport problems. But are people on board?"	<i>Chairman Mario Coppola</i> Alessandro Melis (New York Institute of Technology, USA) "Architectural Exaptation"						
16:45-17:45	Application (Type A)								