

**6th International Workshop on Design in Civil and Environmental Engineering
Cagliari, November 9-11 - 2017**



DICE-2017

Design in Civil and Environmental Engineering

DICAAR

Thursday November, 9 - 2017

Aula Magna - 1st floor - via Corte d'Appello

	id	Title	Relator
9:00-9:30		Opening Session	
09:30-11:30	130	Experiences of teaching laboratories for civil engineering students on archaeological consolidation in Arabic Peninsula	Sassu
	135	A BIM-based approach to façade optimization: geometrical, economic, and production control in a DfMA perspective	Di Giuda
	128	An on-site teaching laboratory in a village damaged by the 2009 Abruzzo earthquake	Giresini
	125	How Individual Scenery Perception Correlates to Memory of Formative Play Experience? - An Experiment Based Hypothesis	Pei
	138	Multidisciplinary workshop on building design	Desogus
	139	An integrated approach for heritage restoration: the case of San Giovanni Church in Cagliari	Fiorino
	129	A didactical laboratory of structural engineering for bachelor civil engineering students in Cagliari	Deligia
11:30-12:00		Coffee Break	
12:00-13:00	140	Evidences of failure of reduced span bridges in case of extreme rainfalls. The case of Leghorn	Puppio
	121	Is tornado risk adequately perceived in Italy?	Zanini
	123	Construction Stage Analysis for a New Mixed Structure Building in Milan	Zucca
	133	From plastic waste to building materials: mechanical properties of PLEC	Valdes
14:30-17:00		Social event: visit to "Parco naturale Molentargius", Cagliari	
15:00-17:00		Tutorial: "An introduction to Axiomatic Design" Location: "Aula Magna Facoltà di Ingegneria e architettura - via Marengo 2"	Brown
20:00-23:00		Conference Dinner	

	Keynote Lecture
	Design methodology
	Interdisciplinary challenges in engineering design
	Education in engineering design
	Tutorial



Friday November, 10 - 2017

Aula Magna - 1st floor - via Corte d'Appello

	id	Title	Relator
	Keynote	Bridges with hinged spans after a centenary experience	Malerba
9:00-10:30	117	Building irregularity issues and architectural design in seismic areas	Alecci
	122	Interdisciplinary challenges in design of windblown sand barriers around desert railways	Raffaele
	141	Collapse propagation in bridge structures. A semi-analytical model	Brun
	136	Progressive collapse of flexural systems	Nieves
	137	The seismic risk map for Italy	Zanini
10:30-11:00		Coffee Break	
11:00-13:00	Keynote	Axiomatic Design and the Specification of Surface Topographies	Brown
	118	Glass Fiber Shear Connectors in the In-Plane Strengthening of Infilled Frames by Textile Reinforced Mortar Technique	Akhoundi
	119	Nonlinear analysis of RC box culverts resting on a linear elastic soil	Minghini
	120	Dynamic behavior of a historical tower subjected to bells' forced vibrations	Foti
	124	HYGLASS: design proposal for an integrated multifunctional hybrid glass-steel structure	Laccone
	126	Infrared Thermography for the Characterization of Painted Vaults of Historic Masonry Buildings	Casapulla
	132	Knowledge acquisition of existing buildings by means of diagnostic surveying. Case studies	Concu
134	On combination of numerical models and experimental procedures in engineering	Meloni	
13:00-15:00		Lunch	
15:00-16:00	Keynote	What is essential?	Bontempi
16:00-17:00		Meeting DCEE ITALIA	
17:00-19:00		Social event: visit to "Castello", Cagliari	

	Keynote Lecture
	Design methodology
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Saturday November, 11 - 2017

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09:00-17:00		Social event: visit to "Su Nuraxi", Barumini	