

Mediterranean PhD School

Time table

Impacts of climate change and sustainable engineering responses

	Monday 7/10	Tuesday 8/10	Wednesday 9/10	Thursday 10/10	Friday 11/10	Saturday 12/10	
	Aula Magna	Aula Magna	Aula Magna	Biblioteca storica	Biblioteca storica		
	Climatology	Related natural disaster	Sustainable engineering responses	Transportation, energy and climate change			
9:00-10:00	Registration	Floods (Alberto Montanari)	Climate Change challenges for the city of tomorrow: responses from Rotterdam (Peter Mensinga)	Help or hindrance? The travel, energy and carbon impacts of highly automated vehicles (Zia Wadud)	Pavement solutions for the enhancement of construction sustainability and the reduction of environmental impacts (Ezio Santagata)	Technical visit	
10:00-11:00	Opening ceremony	Drought and water scarcity (Giuseppe Rossi e David Peres)					
coffee break 11:00-11:30							
11:30-12:30	Drivers force of natural climate variation and climate projections for the next decades (Vincenzo Artale)	Meteo-induced landslides (Luciano Picarelli)	Offshore wind power--resource and technology (Willet Kempton)	Electric vehicles — Design principles (Willet Kempton)	Aviation and climate change (Andreas Schafer)		
12:30-13:30			New technology frontiers in offshore wind power (Willet Kempton)	Using EVs for electric grid storage and grid services (Willet Kempton)			
lunch							
14:45-15:45	Carbon economics: Pricing the planet's future (Christian Gollier)	Wave Energy Converters - Perspectives and Impact on Coastline Evolution (Jens Peter Kofoed)	Designing a sustainable future (Paolo Cresci)	Using EVs for electric grid storage and grid services (Willet Kempton)	Curbing emissions from road vehicles: the recent revolution in the European approach (Jelica Pavlovic) Modelling technological evolution of vehicles to curb co2 and pollutant emissions: economic and social aspects (Jette Krause)		
15:45-16:45		Student presentation		Nature based solutions (Antony Leung)		Long-term evolution of transportation systems, energy use, and climate impacts (Andreas Schafer)	
16:45-17:45	Discussion						
	Social program						
		City by night	Social dinner				