

SESSIONS PROGRAM - EWSHM 4-7 July 2022

Monday, July 4 - Day 1				
	08:30 - 10:50	11:30 -13:10	14:30 - 16:10	16:30 - 18:30
Aula Magna	Plenary Session			
Aula 3		Innovative Ideas for Monitoring Vibrations		SHM and Digital Twins of historical structures
Aula 4		SHM of engineering structures using smart multifunctional materials and systems		
Aula 5		Population-level performance and health monitoring		
Aula 6		Machine learning and modelling in SHM		
Aula 7		Robust Statistical and Probabilistic Methods for SHM		
Aula 8		General Session		
Aula 9		Damage detectability and effects of environmental and operational variability in SHM		
Aula 10		Unmanned Vehicles for SHM	Vehicle-based Indirect SHM for Infrastructure	
Aula 11		Guided Waves in Structures for SHM		
Aula 12			Structural assessment and health monitoring of the built-up environment with satellite radar interferometry	Space-borne health monitoring for civil infrastructure

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Tuesday, July 5 - Day 2				
	09:00 - 10:50	11:30 -13:10	14:30 - 16:10	16:30 - 18:30
Aula Magna	Plenary Session			
Aula 3		Civil SHM Based on Data Science Techniques		
Aula 4		Verification & Validation approaches for Demonstrating the Value of SHM	SHM of engineering structures using smart multifunctional materials and systems	
Aula 5		Integrated approaches for SHM: models, data and experiments		
Aula 6		Machine learning and modelling in SHM	Structural assessment and SHM of the built-up environment with satellite radar interferometry	
Aula 7		Real time monitoring of built infrastructure		
Aula 8		General Session		
Aula 9		Damage detectability and effects of environmental and operational variability in SHM		
Aula 10		SHM Optical and computer-vision techniques for SHM & NDT		
Aula 11		Guided Waves in Structures for SHM		
Aula 12		Space-borne health monitoring for civil infrastructure		

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Wednesday, July 6 - Day 3				
	09:00 - 10:50	11:30 - 13:10	14:30 - 16:50	17:00 - 23:00
Aula Magna	Plenary Session			
Aula 3		Nonlinear Ultrasonic Guided Wave Methods for SHM	Infrared Thermography for SHM	
Aula 4		Wireless Sensing Systems for SHM	SHM in Wind Turbine Technology	
Aula 5		Integrated approaches for SHM: models, data and experiments		
Aula 6		Machine learning and modelling in SHM	Ultrasonic Monitoring of Concrete Constructions	Boarding and travel to Segesta by bus.
Aula 7		Real time monitoring of built infrastructure		Guided Tour to Segesta Old Doric Temple
Aula 8		General Session	Human Performance Monitoring	Gala Dinner
Aula 9		Seismic structural health monitoring for civil structures	Reliability and quality assessment of SHM systems	
Aula 10		Acoustic Emission for SHM of Civil Infrastructure		
Aula 11		Guided Waves in Structures for SHM		
Aula 12		Smart self-sensory concrete based structures and infrastructures		

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Thursday, July 7 - Day 4				
	09:20 - 11:00	11:30 -13:10	14:30 - 16:00	16:00 - 16:30
Aula Magna	Plenary Session			
Aula 3		Condition monitoring of ageing bridges and infrastructure		Closing Ceremony
Aula 4		SHM in Wind Turbine Technology	New opportunities for SHM and artificial intelligence	
Aula 5		Wireless Sensing Systems for SHM		
Aula 6		Machine learning and odelling in SHM	Verification & Validation approaches for Demonstrating the Value of SHM	
Aula 7		Standardization and guidelines on SHM and NDT: needs and ongoing activities	SHM methodologies and technologies for aerospace actuation and drive systems	
Aula 8		General Session		
Aula 9		Seismic structural health monitoring for civil structures		
Aula 10		Ultrasonic and electromagnetic waves for diagnosis, monitoring and control		
Aula 11		Guided Waves in Structures for SHM	General Session	
Aula 12				