

2nd Workshop on Virtualization Technologies and their Applications (**VIRTECH**)

04/03/2022, Via Claudio 21, Aula T5, 10:30-16:30 (MS Team code: pi1actw)

Program

Time	Speakers		Talk Title	Area
10:30 - 11:00	Marco Barletta	Daniele Ottaviano	Chimera: Heterogeneous Virtualization for Mixed-Criticality Embedded Systems	Architectures
11:00 - 11:15	Giorgio Farina		Static Partitioning Hypervisor: Limitations and New Challenges	
11:15 - 11:30	Vincenzo Maisto		Virtualization Technologies in High Performance Computing	
11:30 - 11:45	Alessandro Di Bernardo		Possible Approach of Virtualization on Quantum Technologies	
11:45 - 12:00	BREAK			
12:00 - 12:30	Riccardo Carbone	Daniele Lombardi	Mixed Criticality Systems: An Industrial Case Study	Industry
12:30 - 12:45	Alessandra Somma		Digital Twin Technology: Full, Lightweight or no Virtualization-based Solutions?	V & V
12:45 - 13:00	Luca Giamattei		Software Quality Assessment of Microservices Applications via Sidecar Approach	
13:00 - 13:15	Alberto Moriconi		Leveraging Virtualization and Symbolic Execution to Analyze the Behavior of Software Systems	
13:15 - 14:15	BREAK			
14:15 - 14:30	Francesco Vitale		Dependable Streaming Process Mining Through Real-time Virtualization and Separation Kernels	AI/ML
14:30 - 14:45	Monica Imbò		The use of Virtualization to improve Machine Learning Performance	
14:45 - 15:00	Franca Rocco di Torrepadula		Hypervisors and Autonomous Vehicles: a Solution to Improve Safety and Security	
15:00 - 15:15	BREAK			
15:15 - 15:30	Fabrizio Marangio		Virtual Machine for Blockchain Development	Security
15:30 - 15:45	Federica Uccello		Docker Applications for Blockchain-based Systems	
15:45 - 16:00	Simona De Vivo		Virtualization Technologies and Cybersecurity	
16:00 - 16:15	Vittorio Orbinato		The Use of Virtualization to Improve Cybersecurity Training	