RESTART Plenary Dissemination Workshop

Hands-on with the Future of Telecommunications

June 30th

9:00	9:45	**Registration**	
9:45	10:00	**Welcome**	UniNa organizers and authorities
10:00	10:15	**Introduction and program update**	Nicola Blefari Melazzi (RESTART)
10:15	10:25	**Introduction to the Plenary**	Antonio Capone (RESTART)
10:25	10:50	**Talk** *Wave Processing Over-the-Air: Can Analog Thrive in a Digital-Driven Era?*	Davide Dardari (University of Bologna)
10:50	**11:20**	**Coffee Break**	
11:20	11:45	**Talk** *Sharing for resilience*	Michela Meo (Politecnico di Torino)
11:45	12:10	**Talk** *Semantic and task-oriented communications*	Sergio Barbarossa (University of Rome La Sapienza)
12:10	12:35	**Talk** *Challenges for the digital transition in Italy: the copper switch off to enable a future proof society*	Sara Mazzarella (OpenFiber)
12:35	13:35	**Project demos**	
13:35	**14:30**	**Lunch Break**	
14:30	14:50	**Talk on the RESTART white paper** *A Techno-economic view of future scenarios of the European Telecommunications*	Antonio Capone (RESTART)
14:50	15:50	**Panel discussion**	Enrico Letta (IE University) Tullio Ambrosone (Single Market Lab) Cristina Caffarra (EuroStack) Marzia Minozzi (Asstel) Alessandro Groppelli/Paolo Grassia (Connect Europe)
15:50	16:05	**Demo** *Cell-Free Massive MIMO: Experimental Proof-of-Concept Platform*	Mattia Lecci (Keysight Technologies)
16:05	16:20	**Demo** *Photonic applications for radio functionalities*	Antonio Malacarne (CNIT)
16:20	16:35	**Demo** *Real-time tracking and classification of multiple targets via wireless sensing*	Andrea Conti (University of Ferrara)
16:35	16:50	**Demo** *Digital Twins in action: optimizing access and core networks with Coherent platform*	Simona Rossitto (CNIT)
16:50	17:05	**Demo** *Innovative Telecommunication Solutions for the Enhancement and Cultural Heritage Experience*	Antonella Poce (University of Rome Tor Vergata)

Sponsored by

allbesmart   measure IT
THE MEASUREMENT COMPANY

RESTART Plenary Dissemination Workshop

Hands-on with the Future of Telecommunications

June 30th

17:05	17:20	**Industry pitches**	
17:20	17:50	**Coffee Break**	
17:50	18:50	**Project demos**	
18:50		**End of day**	

July 1st

9:00	9:25	**Talk** *The Dark Side of AI in telecommunication networks*	Marina Settembre (Fondazione Ugo Bordoni)
9:25	9:50	**Talk** *To (digital) twin or not to (digital) twin?*	Fabrizio Granelli (University of Trento)
9:50	10:15	**Talk** *Understanding Quality of Experience in Extended Reality: from metrics to users*	Federica Battisti (University of Padua)
10:15	10:40	**Talk** *High speed wireless communications for satellite nodes*	Ernesto Ciaramella (Scuola S.S. Anna)
10:40	11:05	**Talk** *Will 6G be really able to address the requirements of future industry use cases and generate scalable business?*	Roberto Verdone (University of Bologna)
10:05	11:35	**Coffee Break**	
11:35	11:50	**Demo** *SPLASH: A real time demo of a large scale IoT deployment in the 'Sabina' region*	Francesca Cuomo (University of Rome La Sapienza)
11:50	12:05	**Demo** *On field wildlife monitoring: the WATCHEDGE action in support of integrating computing and communications in rural areas*	Stefano Giordano (University of Pisa)
12:05	12:20	**Demo** *Talk, Share, Drive: How V2X Digital Twins Enable Safer Streets*	Roberto Pegurri (Politecnico di Milano)
12:20	12:35	**Demo** *Private Sensing via Beamforming with Commercial Wi-Fi Devices*	Giovanni Perin (University of Brescia)
12:35	13:35	**Project demos**	

Sponsored by

allbesmart · measure IT THE MEASUREMENT COMPANY

Finanziato
dall'Unione europea
NextGenerationEU

Ministero
dell'Università
e della Ricerca

Italiadomani
PIANO NAZIONALE
DI RIPRESA E RESILIENZA

RESTART

RESTART Plenary Dissemination Workshop

Hands-on with the Future of Telecommunications

July 1st

13:35	14:30	**Lunch Break**	
14:30	14:55	**Talk** *Analog Photonic Computing*	Andrea Melloni (Politecnico di Milano)
14:55	15:20	**Talk** *Terahertz Optoelectronics for Free-Space Optical Communications*	Leonardo Viti (CNR)
15:20	15:45	**Talk** *AI meets cell-free massive MIMO*	Giovanni Di Gennaro (University Vanvitelli)
15:45	16:10	**Talk** *Breaking the bars of the cell. Will the future of global coverage be "cell-free"?*	Claudio Sacchi (University of Trento)
16:10	16:35	**Talk** *Sensing the Future: How Vehicle Networks Will Drive Safer Mobility*	Dario Tagliaferri (Politecnico di Milano)
16:35	17:05	**Coffee Break**	
17:05	18:05	**Project Demos**	
18:05	18:20	**Best demo awarding and final remarks**	
18:20		**End of day**	

Sponsored by

allbesmart   measure IT
THE MEASUREMENT COMPANY