

## 2nd RESTART Tech Camp on 5G and Open RAN

A RESTART Next Gen Initiative on Practical Experimentation & Research

9-12 SEPTEMBER 2024 / MILANO

Aula 5.02 - Piano terra - Edificio 5 - Politecnico di Milano - [How to reach the venue? Click here!](#)  
Piazza Leonardo da Vinci, 32

### Day 1 | 9 September

**08:30 | Registration and Welcome coffee**

**08:50 | Welcome and Introduction | Event Chairs**

09:00 | Software Defined Radios for Wireless Networks | [Neel Pandeya – NI](#)

10:00 | *Coffee Break – Poster Visit #1*

10:30 | Software Defined Radios for Wireless Networks | [Neel Pandeya – NI](#)

**12:30 | Lunch Break**

13:30 | FR3 SDR Design and Real-World Experiments | [Marco Mezzavilla – Pi-Radio](#)

14:00 | OAIBOX Open RAN and Open-source Research Platform | [Paulo Marques – Allbesmart](#)

14:45 | *Coffee Break – Poster Visit #2*

15:30 | Open-Source 5G FR2 Test Network | [Vincent Lee – TMYTEK](#)

15:45 | Advancing NextGen Wireless Communication: From Teaching and Measurement to mmWave Rapid Prototyping and FR2/FR3 Applications | [Vincent Lee – TMYTEK](#)

17:15 | Co-existence: Competition or Convergence? | [Bharat Agarwal – Vodafone DE](#)

**18:00 - 21:00 | Social event – Welcome Aperitif | Pacino Cafe, Piazzale Francesco Bacone, 9 Milano**

### Day 2 | 10 September

09:00 | Exploring Non-Terrestrial-Network with OpenAirInterface | [Guido Casati – OpenAirInterface](#)

10:30 | *Coffee Break – Poster Visit #3*

11:00 | 5G O-RAN Compliant Infrastructure Delivered at Scale | [Mikel Irazabal – BubbleRAN](#)

11:45 | Integrating 5G with Robotics: Hands-On Experience with Boston Dynamics' Spot | [Loïck Briot – Université De Lorraine](#)

12:15 | Enhancing AI and Robotics with 5G: Software Applications and Use Cases | [Jean-Baptiste Wiart – Université De Lorraine](#)

12:45 | Sponsored Talks | [BubbleRAN and TMYTEK](#)

**13:15 | Lunch Break**

14:00 | Boost xApp Prototyping: Deploying 5G and O-RAN in a Box | [Angelo Feraudo – Università di Bologna](#)

14:30 | Uncovering Security Flaws in Smartphone Basebands Through Emulation and Fuzzing | [Domink Mayer – Google](#)

16:15 | *Coffee Break – Poster Visit #4*

16:45 | Over-the-Air Security Testing of 5G SA devices | [Syed Khandker – NYU Abu Dhabi](#)

### Day 3 | 11 September

09:00 | O-RAN Testing: Performance, Security and Energy Efficiency | [Marco Minoa – Keysight](#)

09:30 | 5G Private Networks and Security Strategies for Mission Critical Applications | [Federico Civerchia – Sma-rtly](#)

10:00 | Advancing Energy Efficiency in 5G RAN: From Industry Standards to the Field | [Alessandro Colazzo – JMA Wireless](#)

10:30 | *Coffee Break – Poster Visit #5*

11:00 | X5G: An Open, Programmable, Multi-vendor, End-to-end, Private 5G O-RAN Testbed with NVIDIA ARC and OpenAirInterface

| [Davide Villa – Northeastern University](#)

12:30 | Automated Deployment and Over-the-Air Testing of End-to-End Open Radio Access Networks

| [Leonardo Bonati – Northeastern University](#)

**13:00 | Lunch Break**

14:00 | AI-Powered Traffic Classification Using COLO-RAN Dataset

| [Andrea Pimpinella – Università degli studi di Bergamo, Salvatore D'Oro – Northeastern University](#)

16:00 | *Coffee Break – Poster Visit #6*

16:30 | AI Validation and Deployment: Real-Time Testing and xApp Conversion on Colosseum

| [Andrea Pimpinella – Università degli studi di Bergamo, Salvatore D'Oro – Northeastern University](#)

### Day 4 | 12 September

09:00 | Slices/Net4Future - Discovering Testbed Based Automation with NFVCL and Blueprints

| [Paolo Bono, Cristina Emilia Costa – CNIT](#)

11:00 | *Coffee Break - Poster Visit #7*

11:30 | Leveraging Raytracing for Enhancing NextG Research | [Francesco Linsalata – Politecnico di Milano, Tarun Chawla – Remcom](#)

**12:45 | Poster session awards and Final Remarks | Event Chairs**

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PROGRAM