

1st PhD Summer School on “ADVANCED TOPICS IN 5G-6G RAN FOR INDUSTRIAL IOT”

CATANIA
JULY 7TH-10TH, 2025

COURSE AIM

The Summer School focuses on **5G/6G solutions** for **Industrial IoT** (IIoT), with a particular emphasis on radio access networks (RAN). Participants will learn from top **academic and industry experts**, exploring the challenges and opportunities of **advanced communication technologies in industrial environments**.

The program also covers **machine learning and optimization techniques**, from theory to practical applications, supporting future industrial advancements. **Hands-on sessions** allow participants to apply their knowledge, with a dedicated committee evaluating the best group activity. Planned social activities, including a **gala dinner** and an excursion to **Etna Volcano**, provide excellent **opportunities for networking** with colleagues, speakers, and professors.

This course is a valuable **opportunity for students and researchers to develop cutting-edge skills in next-generation industrial networks**.

SPEAKERS

- **Andrea Ariano**, Industry Innovation and Communication project leader, *Schneider*, Italy
- **Simone Bizzarri**, Project manager, *FiberCop*, Italy
- **Enrico Buracchini**, RAN Plenary Vice Chairman, Senior Project Manager, Innovation Department, *TIM*, Italy
- **Andrea Conti**, Professor, *University of Ferrara*, Italy
- **Marco Gamba**, Innovation Program Manager, *Schneider*, Italy
- **Juan Montojo-Bennassar**, Vice President of Technical Standards, *Qualcomm*—San Diego, USA
- **Maurizio Palesi**, Professor, *University of Catania*, Italy
- **Lorenzo Patera**, IT Program Manager, *Bi-REX*, Italy
- **Alvaro Valcarce**, Head of Department on Wireless AI research, *Nokia Bell Labs*, France

TARGET

Designed for Master's and PhD students in STEM disciplines, early-stage researchers and practitioners from both academia and industry.

SCIENTIFIC COORDINATION

- **Enrico Buracchini**, *TIM*, Italy
- **Daniela Panno**, *University of Catania*, Italy
- **Roberto Verdone**, *University of Bologna*, Italy

REGISTRATION

Open until June 15th, 2025.

Early registration deadline: May 15th, 2025.

For more information, scan the QR code to visit the website.



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