Summer School on

5G: ENABLING TECHNOLOGIES, OPPORTUNITIES AND RESEARCH CHALLENGES AHEAD

4 – 8 July 2022, Blended teaching

CALL FOR PARTECIPATION

The 2022 edition of the Summer School '5G: Enabling Technologies, Opportunities and Research Challenges Ahead' is organized to offer 6 ECTS in the broad field of 5G networks, targeting an audience of Bachelor (last year), Master and PhD students, early stage researchers and practitioners from Academia or Industry.

The Summer School provides lessons, from the industry and academic community, about the enabling technologies and methodologies in 5G networks and applications. No prior familiarity with the technology is required. Lectures will be given by ICT experts in 5G from the ''Dipartimento di Ingegneria dell'Informazione'', University of Pisa.

After passing the final exam the University of Pisa will register the course as an official exam of 6 ECTS.

Organizers:

Luca Sanguinetti, University of Pisa, IT

Marco Moretti, University of Pisa, IT

Important Dates

Registration: **20 June 2022**

Lecture topics:

- PHY-layer technologies for 5G
- Non-terrestrial networks for 5G
- The role of Beyond 5G on Industrial IoT
- V2X Services in 5G and Beyond
- 5G and UAV applications
- Electromagnetic methodologies for 5G
- End-to-end network programmability
- SDN and NFV in the 5G era
- Cloud/Edge Computing for 5G Networks
- System-level simulation and real-time emulation of 5G
- Artificial Intelligence for 5G Networks
- Security and privacy in 5G systems
- Electronic circuits and systems for 5G V2X scenarios

For further information, visit the Summer School website:

https://www.unipi.it/index.php/engineering/item/20043-summer-school-5g