

5G-6G/Internet of Things. Massive, reliable, efficient transmission techniques.

The forthcoming evolution of 5G/6G technology foresees a pervasive wireless scenario, in which a huge number of devices will concur to support Internet of Things (IoT) applications, from intelligent metering to infrastructure management and automotive design, from automated health to home automation, public transportation, safety and security. Within this context, reliable and efficient transmission techniques are required for enabling massive Machine-to-Machine (M2M) communication. The lectures will describe modern wireless network. Focus will be on channel coding, for ensuring a reliable transmission, and on efficient multiple access techniques which should be adopted for allowing a massive network utilization.

Program

- Elements of wireless networks (5G/6G).
- Elements of Internet of things (IoT).
- Modern, channel coding and multiple access techniques for 5G/6G-IoT applications.