1. **Satellite and high altitude platforms for communications**
2. **5G New radio**(NR)
3. **Optical wireless communications** (LiFi, Free Space Opics, Visible Light Communication)
4. **Wireless communications in Industry 4.0** (5G networks, Zigbee, …)
5. **Access procedures in cellular networks** (scheduling, power control, mm-wave initial access, ...)
6. **Cooperative communications in cellular networks** (Relaying, Coordinated Multi-point Transmission (CoMP), Cell-free Massive MIMO)
7. **Heterogeneous Networks** (HetNet, femtocell, Integrated Access and Backhaul, (IAB))
8. **Localization & sensing** (cooperative localization and sensing using wireless networks, location-aided communications)
9. **WiFi** (the IEEE 802.11 family).
10. **Multi-antenna techniques in wireless networks** (massive MIMO, mm-wave, THz, Reconfigurable intelligent surfaces)
11. **Machine-to-machine communications** (M2M, MMC, IoT, V2V, etc.)
12. **Energy efficiency and sustainability in wireless networks** (Green Communication)
13. **Cognitive radio** (including Intelligent radios)
14. **Satellite and high altitude platforms for communications** (GEO, LEO, UAV, …)
15. **Optical wireless communications** (LiFi, Free Space Opics, Visible Light Communication)
16. **5G New radio**(NR)
17. **5G Network slicing** (in the core network, machine learning based)
18. **Backhauling and fronthauling**(fiber, microwave, mm-wave, THz, networking aspects)
19. **Wireless communications in Industry 4.0** (5G networks, Zigbee, …)
20. **Vehicular communications** (V2X, Cellular-V2X, VLC, …)