Flex5Gware PoC teams (Involved partners)

5G PPP projects

Flex5Gware final event
Demonstrations in the “5G PoC ZONE”

Turin
21-22 June 2017
The “5G PoC ZONE”

The Final Event showcase 11 proofs-of-concept (PoC) from the Flex5Gware project, together with 5 PoCs from other 5G PPP projects.

1. PoC #1 • On-chip frequency generation
2. PoC #2 • Active SIW antennas with integrated power amplifiers for K/Ka frequency bands
3. PoC #3 • PAPR reduction and power amplifier pre-distortion
4. PoC #4 • Multi band transmitter
5. PoC #5 • Full duplex transceiver
6. PoC #6 • High-speed low power LDPC decoder
7. PoC #7 • HW/SW function split for energy aware communications
8. PoC #8 • Reconfigurable and programmable radio platform and SW programming performed and injected by the network
9. PoC #9 • Flexible, scalable and reconfigurable small cell platform
10. PoC #10 • Flexible resource allocation in CRAN/vRAN platform
11. PoC #11 • Multi-chain MIMO transmitter

- **Joint demo** with Coherent project: “FlexCRAN: Flexible Cloud-RAN Platform”
- **Joint demo** with 5G-Crosshaul project: “Network split with integrated fronthaul and backhaul”
- **Joint demo** with FANTASTIC-5G project: “BF-OFDM MIMO transceiver based on software programmable hardware”
- **Joint demo** with SPEED-5G: “Capacity distribution in random small-cell deployments and hierarchical machine learning-based management for RAT/ Spectrum/ Channel selection”
- **Joint demo** with 5GEx project: “Cross-Domain Wireless Communication Service”