

Mobile Networks and Software Reliability Lab

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Research topics in mobile networks

- Advanced services
- Quality of Service and Quality of Experience
- Energy Saving
- Protocol Stacks for 3G, LTE and beyond
- LTE for critical services



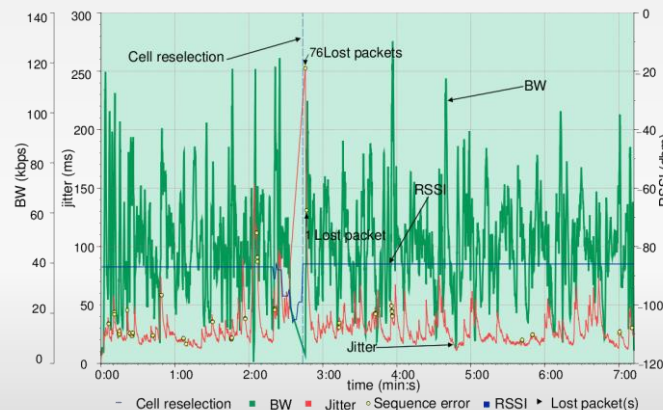
Experimental facility (PerformLTE)

- LTE Pico Cell Lab
- LTE Core Network
- LTE Conformance Testing Equipments
- Power Analyzer
- Live networks Tool (TestelDroid)
- Spirent Channel Emulator



Recent projects and partners

- Quality of service (**QoS**) on devices (Optimi-Ericsson, VTT, Trenitalia)
- **Protocols stacks** for eNB emulators (AT4 wireless, formerly CETECOM)
- Migration from GSM-R to **LTE for railway** signalling (Alcatel-Lucent, AT4 wireless, ADIF, MetroMadrid)
- Configuration tools for **LTE testing equipments** (Agilent Technologies)
- Integrating **PerfomLTE** into FP7 Fed4Fire (coordinated by iMinds)



Interests in 5GPPP



Strand 1: Radio network architecture and technologies

- Project 1: 5G Wireless System Design
- Project 3: 5G for Massive MTC

Strand 4: Network Virtualization and Software Networks

- Project 14: Virtual Networks and Platform
- Project 16: Multi-Domain SW Networks

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