TUM

Assistant (Student)

Working Student for Testbed on 5G/6G RAN

The results expected from this work are the enhancement of the 5G/6G tested setup with additional features on the Radio Access Network (RAN) and Core Network (CN). The work is focused on the OpenAirInterface (OAI) [1] platform, which forms the basis of the testbed setup. The expected outcome is to have improvements in wireless resource scheduling, focused on the uplink (UL), power management, and core network function management.

[1] N.Nikaein, M.K. Marina, S. Manickam, A.Dawson, R. Knopp and C.Bonnet, "OpenAirInterface: A flexible platform for 5G research," ACM SIGCOMM Computer Communication Review, vol. 44, no. 5, 2014.

Prerequisites

- Good C/C++ experience
- Good Python knowledge
- RAN and CN architecture understanding is a plus

Contact

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Advisors

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