



5G Simulation setup

Description of Topic

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Title: "5G Simulation setup"

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Context

In this topic, the goal is to setup the entire 5G simulation in a server. The simulation is done using OMNeT++ and the student has to afterward perform experiments. First, step is to perform a comprehensive survey of all the different open source 5G simulation tools available followed by the comparison of the different tools. The student has to further perform the simulation of 5G test cases. It may require to do the work at university in the lab.

Requirements

- **Knowledge of computer networks, 5G.**
- **Good programming skills in C++.**
- **Experience with OMNeT++.**
- **Knowledge of handling Linux and web servers.**
- Basic understanding of Time Sensitive Networking.
- Independent and motivated to work on networking problems.

Contact

If you are interested in this topic, please send your full application (CV, transcript of records, research interests, possible start dates) to Rubi Debnath (rubi.debnath@tum.de).