



Resource Reservation in TSN

Description of Topic

July 23, 2022

Title: "Resource Reservation in TSN"
Supervisor: Rubi Debnath and Dr.-Ing. Mohammad Hamad

Context

Time-sensitive network (TSN) enables deterministic transmission on standard Ethernet. Resource reservation is achieved via allocating different resources in a TSN network.

In this topic, the goal is to look deeper into the resource reservation mechanism of TSN.

Requirements

- **Knowledge of TSN.**
- **Very good C++ programming skills.**
- **Very good knowledge of OMNeT++/OPNET/NS3 or similar simulation tools.**
- **Should be motivated to work in research topics.**
- **Knowledge of communications and networks.**
- Interest or willing to explore network security.
- Independent and able to work with minimal supervision.

Contact

If you are interested in this topic, please send your full application (CV, current transcript of records, research interests, possible start dates) to Dr.-Ing. Mohammad Hamad and Rubi Debnath (mohammad.hamad (at) tum.de and rubi.debnath@tum.de). This project will be jointly supervised by Dr.-Ing. Mohammad Hamad and Rubi Debnath therefore, send the application to both the supervisors together.