Memory Protocol: TKN Vehicular Networking and Cooperative Driving (L339)

- **Time**: 30min
- **Date**: August, SummerSemester 2021
- **Oral Exam**: in present, Whiteboard was there but not used,

- 802.11p compared to normal wifi 802.11
- explain access categories
- Example: at start, channel idle, all queues are full, who sends when ? (internal collision + medium access)
- Congestion Control in wifi: e.g. DCC, but in general how does it work in principle
- How is the channel sensed busy ? / channel load
- switch to in-car bus systems
- Which bus I like most ? (we will talk about it) -> for me CAN
- how does CAN work (bit arbitration, MESSAGE ID (not ECU ID, was my mistake), recessive and dominant bit, bit stuffing)
- how does ACK work in CAN
- CAN and real time (problems)
- I mentioned TTCAN and slots for Messages, bit stuffing and bit arbitration
- What does a ECU send (in payload): Sensor data or e.g. actions for action drivers