Forming the Groups

- 2 students per group

Examples

- I do not expect something too complicated from you

- The project should be doable within the given time frame

- Should resolve your genuine curiosity about V2X communication
    - Platooning algorithm studies
        - Constant space gap controller, constant time gap controller
        - Parameter tuning to make it unstable or stable
    - Impact of the communication networks
        - How many vehicles can communicate without overcrowding the channel?
        - Can you control the transmission timings to avoid collisions and accomodate
    - Formation and dissolution algorithms of platoons
    - What happens if there's a hostile (or compromised) vehicle system within a platoon
        - Can you detect them?
    - Could traffic lights be synchronized with platoon lengths to avoid cutting the platoon in half using communication?

Topic Suggestion

- Please form a group and suggest a topic until next Wednesday by email
  - sangyoung.park@tu-berlin.de

- I will be available every tutorial session for help with the programming

- Topics can be very flexible
  - But don't choose a topic, which is too complex and require too much manpower unless you are really into it