**TOPICS FOR BACHELOR/MASTER THESIS**

**ARCHITECTURES FOR SELF-DRIVING-CARS**

**TOOLING**
Further Development of Online IDE with Auto Completion, Outline, Error Messages and Model Visualization

**MODELING**
Create Model-Library for Self-Driving and Cooperative Cars

**SIMULATION**
Code Generation & Execution of multiple Models, Handling Communications between Models and World

**VISUALIZATION**
Build JS-Script to move 3d-Objects in ThreeJS, Interaction with Simulation

**DATA ANALYTICS**
Extend the python framework recognizing error patterns based on collected error data traces in cars

**DEEP LEARNING**
Model, Train and Validate deep networks for automated decision making

For further information of the concrete BA/MA thesis please make an appointment with E. Kusmenko or M. von Wenckstern!