

Limited places available at E. Kusmenko!

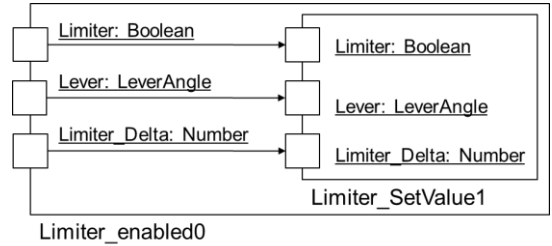
TOPICS FOR BACHELOR/MASTER THESIS



ARCHITECTURES FOR SELF-DRIVING-CARS

```

111: void setLeverAngle(LeverAngle leverAngle) {
112:     m_leverAngle = leverAngle;
113:     emit(LeverChanged, leverAngle);
114: }
115: void setLimiterDelta(float delta) {
116:     m_limiterDelta = delta;
117:     emit(LimiterDeltaChanged, delta);
118: }
119: void setLimiterEnabled(bool enabled) {
120:     m_limiterEnabled = enabled;
121:     emit(LimiterEnabledChanged, enabled);
122: }
123: void setLimiterSetValue(float value) {
124:     m_limiterSetValue = value;
125:     emit(LimiterSetValueChanged, value);
126: }
127: void setLimiterDeltaChanged(float delta) {
128:     m_limiterDelta = delta;
129: }
130: void setLimiterEnabledChanged(bool enabled) {
131:     m_limiterEnabled = enabled;
132: }
133: void setLimiterSetValueChanged(float value) {
134:     m_limiterSetValue = value;
135: }
    
```



Contact:

Dipl.-Ing. Evgeny Kusmenko

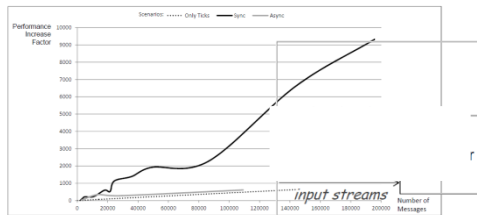
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TOOLING

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

Dipl.-Math. Michael von Wenckstern

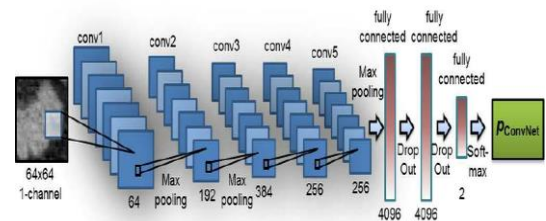
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Task Definition:

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



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