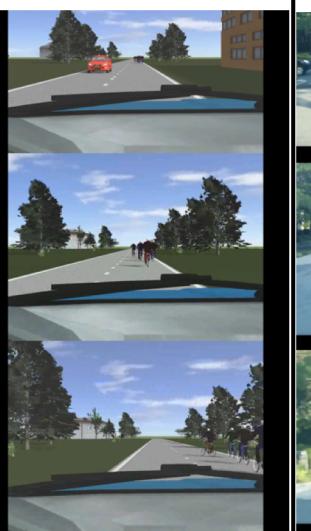


Scenario 1: Passing Bicyclists

Real Life



Simulation



Scenario 2: 4-Way Intersection

Real Life



Simulation

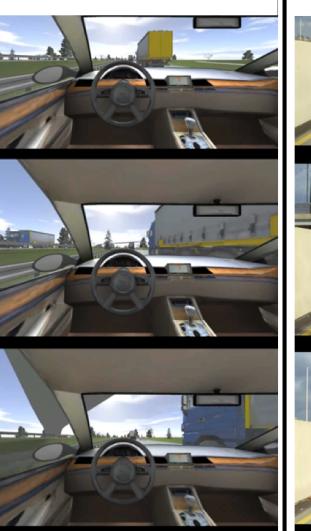


Scenario 3: Overtaking a Semi

Real Life



Simulation

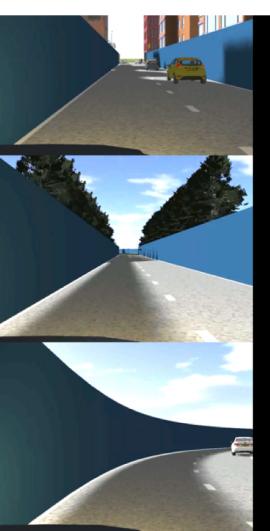


Scenario 4: Left lane no shoulder

Real Life



Simulation



Scenario Based Emotion & Trust Measurement

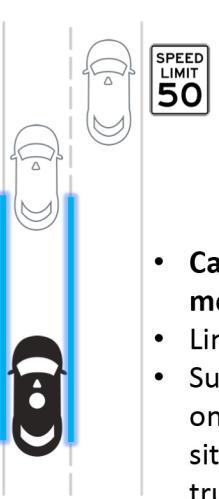


Mode 1: Manual Driving



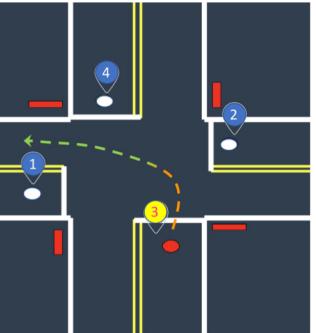
- Subject drives manually through a realistic simulation scenario to establish baseline driving behavior.
- Sensor and driving data is logged

Mode 2: Autonomous Driving w. limited feedback (present day)



- Car drives in autonomous mode.
- Limited feedback is provided.
- Subject can press a button on the steering wheel to flag situation where they did not trust the autonomous car's actions

Mode 3: Autonomous Driving w. full situational awareness



Full feedback and situational awareness provided in autonomous mode
Example shown for 4-way intersection



pedestrian still/moving



cyclist still/moving

UI elements examples