Highway Drive and Hazard Detection

**LANE KEEPING AND OVERTAKING**

![Diagram showing driving strategy with environmental model, prediction, trajectory planning, and control.

**ROAD HAZARD DETECTION AND INFORMATION**

- Early information prior to being in visual range
- Allows strategic vehicle reaction
- Sufficient time for driver take-over (if required)

**Opel Ko-HAF Scenario: Road Hazard on Emergency Lane**

Communication TO Server upon detecting

Information FROM Server upon approaching

**HIGHWAY EXIT**

- **Autopilot active**
- **Autopilot ends soon**
- **Take over control**

- Take-over Notification
- Lane Change
- Deceleration
- Take-over Request

- Ko-HAF System Boundary

www.ko-haf.de