



# **Advanced Driver Assistance Systems Demonstration**

## **UNECE Governance of Traffic Safety in an Automated Vehicle Environment**

Geneva, 28.06.2017



# Automated Driving

## Categorization of Functions

Categorization of functions that influence the way the vehicle is driven

### Assisted Driving

#### Advanced Driver Assistance Systems

The system does not recognize its limitations with lead time.

The driver is assisted with the driving task and needs to monitor driving environment and be able to intervene immediately.

Level 1 (e.g. ACC, LKAS)

Level 2 (e.g. RCP, ACC+LKAS)

Currently on the market

### Automated Driving

The system recognizes its limitations/end of the operational design domain with lead time and issues a transition demand to the driver.

The driver does not need to permanently monitor the driving environment and is not expected to be able to intervene immediately. However, he needs to be vigilant as to acknowledge the transition demand and any other warnings issued by the vehicle.

Level 3 (e.g.. Highway system)

Level 4 – driver necessary at the end of use case

### Autonomous Driving

The system performs the entire driving task.

No driver is expected to perform any parts of the driving task. All occupants are passengers.

Level 4 (e.g. shuttle)

Level 5

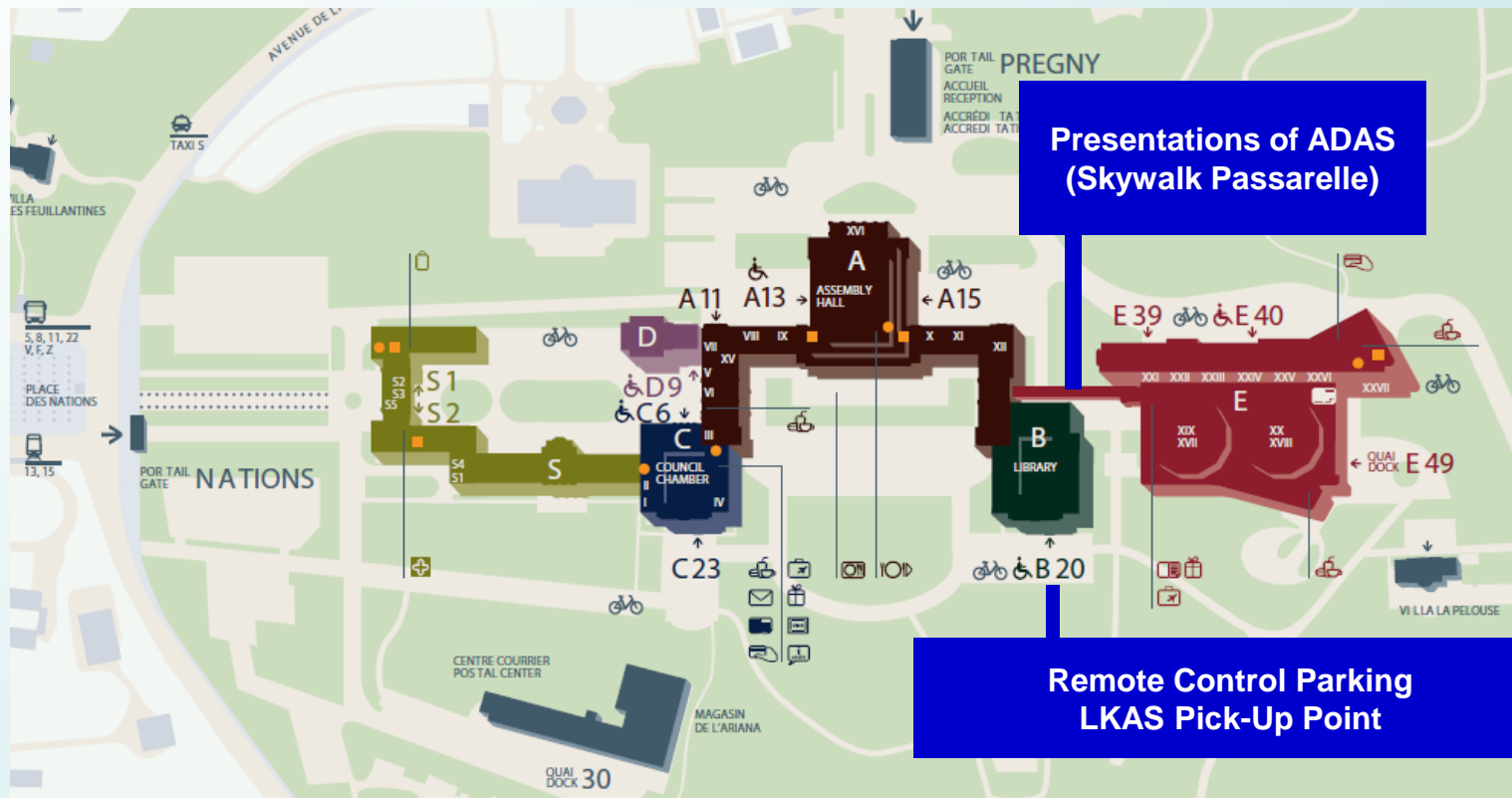


# Demonstration of ADAS

## Location

**OICA provides the following technology demonstrations:**

- Lane Keeping Assistance Systems (participants can drive themselves)
- Remote Control Parking (on Thursday, 29.06.2017 only until 15:00)
- Presentation of ADAS in the Skywalk Passarelle (only Wednesday, 28.06.2017)





# LKAS Demonstration

## Details

- LKAS can be experienced in 9 vehicles, the participants may choose to drive by themselves (some OEMs require a signed liability waiver)
- There are 3 timeslots (à 80 mins) allocated for the LKAS demonstration on each day of the workshop
  - The participants allocated onto a vehicle meet at the outside car park in front of Building B20 by the Library)
  - After an introduction to the system (on-site) the vehicle leaves the UN-grounds through PREGNY-gate heading towards Lausanne on the highway (Highway 1)
  - Before taking the exit to Nyon (approx. 20 km) and heading back, the drivers are switched in a highway-parking exit
  - The participants are dropped-off near PREGNY-gate, the vehicle re-enters the UN-grounds through the gate at Chemin-de-Fer
- The participants are kindly invited at car park at their allocated timeslots. The vehicles are numbered 1 – 9 for easier recognition of the allocated vehicle.



# OEMs Demonstration

## Details

- The participants of LKAS are kindly asked:
  - to make sure to have a valid driver's licence (in case of driving)
  - not to take videos (OEMs policy), however photos are allowed
  - to obey to the traffic rules and follow the instructions of the OEM representative while driving
  - to sign the liability waiver in case of driving (for Honda, BMW, KIA) and hand it out to the OEM representative
- Please visit the RCP demonstration and the presentation in the Skywalk Passarelle