



**Session Title:** THE STATE OF THE ART ON AUTOMATED VALET PARKING  
Ertico / European Automated Valet Parking Platform (EAVP)

**Description:**

Automated Valet Parking (AVP) is an automated vehicle parking system designed to optimise off-street parking. The driver leaves his/her AVP vehicle that then moves autonomously through the car park into an available parking bay. When the driver requests, the process is reversed and the AVP vehicle is waiting upon his/her return.

AVP is considered to be a significant step forward in the automated driving journey especially in urban environments. AVP benefits the motorist, the parking operator and the wider community. These benefits include improved customer convenience and comfort, increased safety, space optimization and automated access to other services such as charging, washing, etc.

In this session, state of the art AVP will be presented by PwC based on their 2020/2021 study which was initiated by ACEA (Automotive OEMS) and CLEPA (Automotive suppliers). AVP operators, Bosch and Kopernikus will show real life applications in car parks, OEM manufacturing plants, airport, and harbor facilities. OEMS will highlight their vehicle deployment initiatives.

ERTICO recently launched the European AVP (EAVP) innovation platform bringing together all stakeholders of the ECO System. EAVP promotes a holistic approach towards the problems faced by cities, users, and parking operators. Topics to be discussed in this session include AVP's impact on multimodal opportunities, space efficiency, safety and insurance aspects and the need for connectivity within car parks.