

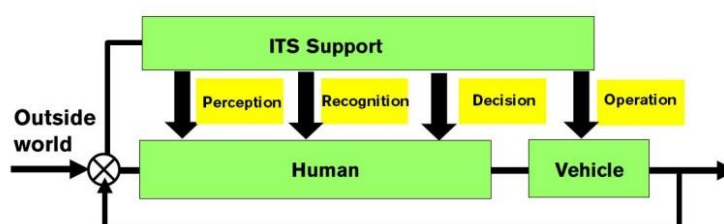
Abstract

Title : Nissan Autonomous Driving and Advanced Driver Assistance Systems

Speaker: NISSAN MOTOR CO.,LTD.

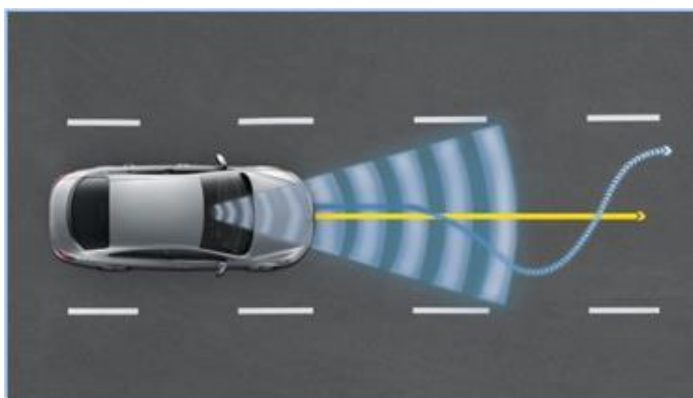
“Autonomous Driving” is a hot issue recently. In this presentation, Nissan’s Autonomous Driving, and Advanced Driver Assistance Systems (ADAS) that are key technology for the autonomous driving, will be introduced.

It is said that driver has various tasks such as “Perception”, “Recognition”, “Decision”, and “Operation” while driving. ADAS here deputizes these driver’s tasks partially using IT



(–Information Technology) and ITS (–Intelligent Transportation Systems). The system senses vehicle surrounding condition by using sensors, and gives the driver support information, alert, warning, or controls the vehicle if needed in order to support avoiding an accident and enable smooth traffic. Many types of ADAS have already been in practical use. And some systems already run on behalf of a driver in the certain scene and place.

Regarding “Autonomous Driving”, there may be the public image that autonomous driving means unmanned driving. Though the ultimate goal is unmanned driving, Nissan has so far considered that any driver assistance



function, which runs and controls vehicle on behalf of a driver regardless of partially or fully, falls into the autonomous driving category. And there is no clear border between autonomous driving and driver assistance systems.

Improving the levels of the existing driver assistance will lead to a future “autonomous driving”.

In this session, various types of driver assistance systems and development status toward the ultimate automated driving will be introduced.

