

Introduction to ESP (Electronic Stability Program) for Commercial Vehicles

Date: 13:00-14:00 Sep. 19th (Wed), 2018

Room: S5-207

Dipl.-Ing., Gunter Heppeler

engineering cybernetics,
University of Stuttgart



Abstract

To avoid traffic accidents, it is important to assist drivers in keeping their vehicles stable even under difficult conditions. The Electronic Stability Program (ESP) is an important function in this context.

By applying wheel individual braking pressures, it can stabilize the vehicles and avoid roll over.

In this context stabilization of commercial vehicles poses additional challenges due to the high number of vehicle types (e.g. busses and trucks), complex physics, for example due to additional trailers, and different loading conditions.

In this talk an introduction into the working principles of ESP for commercial vehicles is given.
