

MEC_4

Title of the doctoral program

Mechanical Engineering

Title of the research activity

Vehicle dynamics

Short description of the research activity

The research will focus on active system interaction, aiming at exploiting the potentiality of handling and safety, e.g. for rollover prevention. In particular the use of innovative sensors or sensor fusion techniques will be investigated, e.g. to improve the estimates of road bank angle and vehicle roll angle.

Scientific responsible (name, surname, role, email)

Alessandro Vigliani, Associate professor, alessandro.vigliani@polito.it

Number of vacancies for XXXI cycle (3 years program)

1

Specific requirements (experiences, skills)

vehicle dynamics; nonlinear observers

Website of the research group (if any)