

AVL is the world's largest independent company for development, simulation and testing technology of powertrains (hybrid, combustion engines, transmission, electric drive, batteries and software) for passenger cars, trucks and large engines.

We offer a master thesis:

## Analysis of the future transmission concepts for passenger car applications

## Task:

- Analysis and evaluation of existing transmission structures
- Defining requirements for the evaluation of different transmission structures
- Simulation different transmission structures
- · Analysis of the simulation results with respect to the defined requirements
- Defining improvement proposals for each transmission structure
- Analyzing most suitable applications for different markets and use cases

## Study:

• Control Engineering, Mechanical Engineering, Automotive Engineering, Applied Mathematics

## Your Profile:

- Base Matlab/Simulink programming skills
- Base knowledge of passenger car transmissions
- Good background in physics and applied mechanics
- · Good spoken and written English skills

Remuneration: The successful completion of the thesis is a one-time fee of EUR 2.500, - gross remuneration

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