

Automotive Control Systems Engineer

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Company: AVL Research & Engineering

Location: İstanbul

Category: other-general

YOUR RESPONSIBILITIES:

Automotive Control Systems Engineers develop state of the art algorithms and functions for upcoming vehicles with electrified powertrains, automatic transmissions, driver assistance and autonomous driving features as well as engineering software and tools to support efficient development of such software and features.

Description of daily responsibilities include, but is not limited to, the following:

Requirements engineering/management at system and/or component level

Model-based algorithm/SW development in MATLAB/Simulink environment

Hand-coded algorithm/SW development whenever/wherever necessary in C/C++)

Test case development and systematic Model-in-the-loop and Hardware-in-the-loop testing at system and/or component level

YOUR PROFILE:

Minimum Bachelor's degree in Electrical / Electronics / Mechatronics / Control Engineering, and preferably Master's and/or PhD qualifications

Fluent speaking and excellent writing skills in English

Minimum 2 years of experience in automotive controls

Fast learner, treats change as an opportunity to learn and develop

Good communication, presentation and planning skills

Willingness to frequent and long-term travel abroad

And a good understanding of at least two of the following topics:

System Dynamics & Modelling, Controller and Estimation Algorithm Design and Implementation

MATLAB/Simulink, dSPACE/ETAS Tools, HIL Simulators

Real-Time Systems Hardware and Software Design

Advanced Driver Assistance Systems and Autonomous Driving

Hybrid & Electric Vehicles,

Automotive Powertrains (Engine, Transmissions, Batteries, Electric Machines and Power Electronics)

ABOUT AVL RESEARCH AND ENGINEERING TURKEY

Established in 2008, AVL Research and Engineering is an engineering center of AVL with two R&D centers in Istanbul-Türkiye that develops mobility solutions with intelligent and advanced technologies, runs national and international R&D projects and serves customers from the Turkish and the global automotive industry.

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