



BOSCH

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Bachelor thesis subjects in partnership with Bosch Engineering Center Cluj



UNIVERSITATEA TEHNICĂ
DIN CLUJ-NAPOCA

- Virtualization of a Multicore System
- Virtual cloning of an ECU
- Automatic generation of requirements and test for NET&UDS
- Extended Application for Dynamic Steering
- Steer By Wire Application
- Virtualization of Flexray drivers
- Virtualization of CAN Drivers
- AUTOSAR Acceptance Tests
- Virtualization of a Hardware Security Module
- Walking Assistant For Visual Impaired People
- Smart Bike Kit (Signal Lights and Smart Brakes)
- Cooking Recipe Processing Application
- Web Application (App for renting digital books/App for improving management of co-working spaces) OR Robotic Processing Automation
- Virtual Study Web Platform (Not final)
- The desing and development of an autonomous indoor vehicle, with image processing based orientation and AI behavior modelling
- Smart monitoring parking system using ultrasonic sensors
- Object detection in the field of view of ultrasonic sensors mounted on a vehicle
- Object classification based on ultrasonic sensors
- Smart Cane Guidance System with ultrasonic sensors for Visual Impairment
- Smart Luggage Measurement System with ultrasonic sensors
- User input driven Map Application for Qualitative Environmental and Weather Parameters

More information at ECCAcademicPrograms@ro.bosch.com