



Embedded Software Development

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Wir haben die Lösung

PFE Topic 1

Evaluation of Ultra Wide Band indoor positioning solutions

Description

Modern ultra wide band wireless modules allow a very precise wireless positioning.

The purpose of this project is to develop an indoor positioning system based on UWB modules and an STM32 micro-controller.

Skills

Embedded-C, Microcontroller, STM32, Signal processing, Hardware interfaces

PFE Topic 2

Evaluation of radar-based gesture recognition system

Description

It is possible to use highly integrated radar systems to detect and recognize gestures.

The purpose of this project is to evaluate the use of modern radar systems and STM32 microcontrollers for gesture recognition for a gesture-based control of devices.

Skills

Embedded-C, Microcontroller, STM32, Signal processing



career@habemus.com



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