Projects related to
Embedded Systems and IoT

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Embedded System Engineering - DTU Compute

Projects with Microchip

Setting up HSM based signing flow with TF-A
Support signed firmware images using a private key. When booting, the image is authenticated using public key to ensure that only the owner the board can issue SW that will run on the board.

Add OP-TEE support to TF-A on LAN9662/ARMv7
Explore the use of secure vs. non secure OS. Using the OP-TEE technology to create a proof-of-concept application. This project requires some security knowledge and is a mix between theory and hands on.

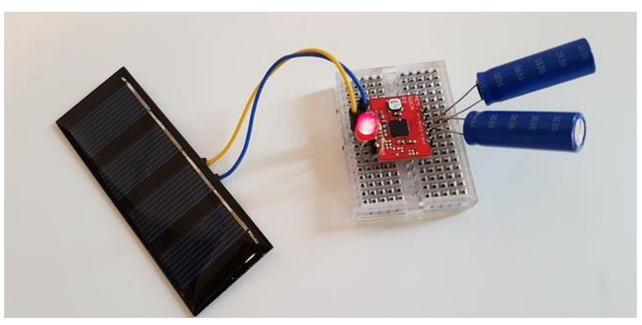
Build a browser-based DDR based tuning/training application
Very small application that can run SRAM and do DDR memory tuning by exposing 30 pentameters from a driver.

Develop Python based test framework for EasyTest setups
Use Python to create a testing framework to automatically run tests of the developed software and hardware.

More is available…

Internet of Things at DTU

Project related to:
- drones, energy harvesting
- intermittent computing
- sensing nodes
- and more…

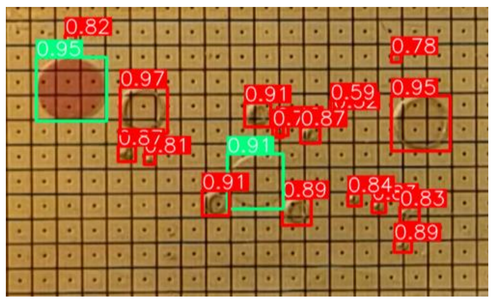


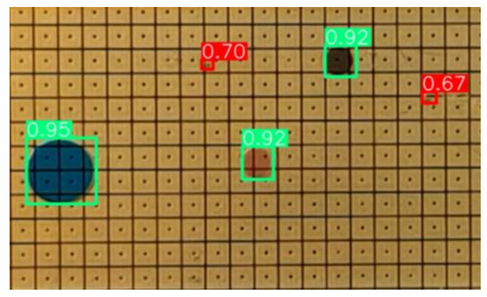
Other companies offering projects

Project related to network solutions, hardware, firmware and software development.

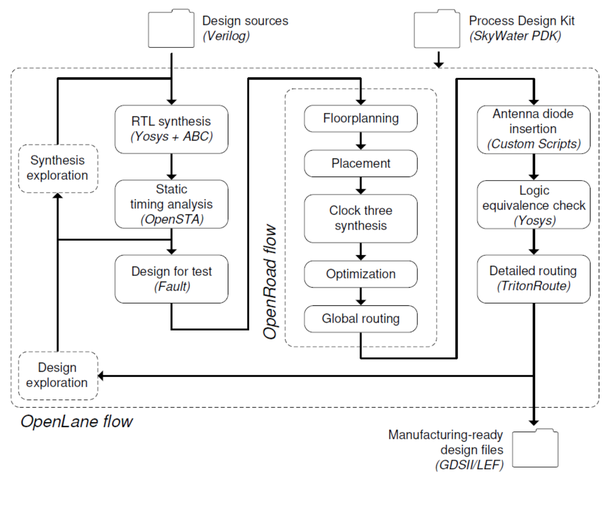
Embedded systems at DTU

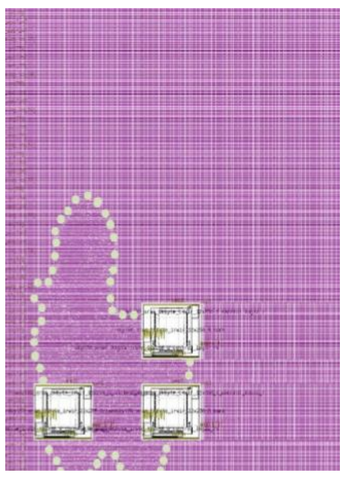
AI computer vision solutions
Use computer vision and AI to detect droplets, bubbles, and other objects in digital microfluidics.





Open-source chip design
Explore the tool-chain to design and implement a hardware design in open-source.





Digitalization of biology samples
Help develop an app or a device to digitalize sample parameters in a biology context (e.g., color).