

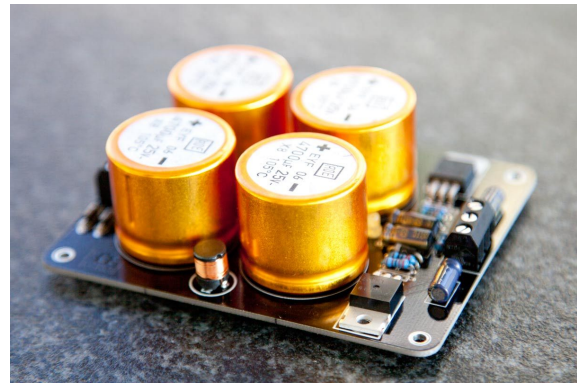


Semester Thesis / Internship / Group Thesis:

A Fascinating Smartphone Gadget

The ubiquity of mobile phones makes them very attractive as a mobile sensing platform. New generation mobile phones like the iPhone or Android-based phones already have some integrated sensors (GPS, accelerometer). Additional external sensors, e.g. for temperature, air pollution or heart rate, can sense a persons environment. Measurement data can then be sent to the mobile phone where it is further processed by an application or forwarded to a central server using the mobile phones Internet connection. At our lab, we developed different external sensors that can connect to Android phones.

The goal of this project is to design and build a small wireless sensor that can be connected to a smartphone. We have ideas to make an existing sensor smaller and simpler in order to create a fascinating smartphone gadgets. The work will be conducted in collaboration with an external company. We are able to give more details to interested students in a personal meeting.



Requirements: Experience in building hardware.

Interested? Please contact us for more details!

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