



Topic for Master Project

Sensorbasierte Gesten-/Aktivitätserkennung: Replikationsstudie

Sensor-based gesture/activity recognition: replication study

Description:

Activity and gesture recognition on mobile devices have become common features in consumer electronics, allowing sports tracking, habit analysis, etc. using in-built inertial sensors. Both fields produce lots of research results – replicating these results can help increase the understanding of the mechanics in both fields.

In this thesis, a scientific paper is provided which will be analyzed and replicated. The implementation will use the original dataset (i.e. no data collection is necessary) and will be compared to the published results with a discussion of any differences.

The following tasks have to be conducted:

- Familiarization with the basics of the paper
- Analysis of the approach and methods of the paper
- Implementation of the described approach and its evaluation
- Discussion of the replication result

Supervisor: M.Sc. Johann-P. Wolff

Module Start:

Report due date:

Supervising Professor: Prof. Dr.-Ing. Christian Haubelt