Bachelor-/Master-Thesis
Real-time Human Activity Recognition Using Smartphones

Tasks:
- Our wearable sensor-based real-time Human Activity Recognition (HAR) system works well on a PC and can also run on a Raspberry Pi. Your work is to implement an Android phone version of the real-time HAR system. The preliminary completed programs that can be used are
  1) biodevice connection and sensor signal acquisition on Android phones;
  2) model training and decoding for real-time HAR on PCs.

Our Offer:
- Insight in current research topics and scientific collaborative work
- Experimental environment in an interdisciplinary team
- Close cooperation with famous research and industrial partners
- Participation in publishing

Requirement:
- Android programming skills
- Network and server transport protocols and programming
- Python experience is preferred but not a must
- Preliminary knowledge of machine learning such as Hidden Markov Model

When:
- As soon as possible

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