

Ingenieurspraxis, Forschungspraxis, Interdisciplinary Project, Bachelor's Thesis, Master's Thesis

Open topics in Computer Vision and Machine Learning / Deep Learning based Human Activity Recognition

Human Activities of Daily Living are driven by our underlying intentions. For example, the Intention of "making Pasta" spawns a sequence of activities like fetch pasta, boil it, fetch and chop vegetables for the sauce, and clean up after cooking.

We develop Computer Vision / Machine Learning algorithms for RGBD video and other sensors to recognize and anticipate human intentions and activities in indoor environments.

We also work on collecting state-of-the-art sensor datasets and 3D simulation of activities using game engines.

Take a look at the currently running projects below to get a more detailed idea about the above topics.

Prerequisites

Ambition, Motivation, interest and first experience in Computer Vision, ML/DL, Python, C++

Advisors

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