



Robotics and Embedded Systems
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Bachelor Thesis - Master Thesis - Diplomarbeit

Robust Hand Tracking



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Robust Hand Tracking

Motivation

When humans and robots collaborate, knowledge about the position of the human hands is of essential interest. With this knowledge, adaptive object hand-overs, safe motion planning, and more efficient collaboration becomes possible.

Set-up

The work will take place in the CoTeSys demonstration scenario „the cognitive factory“ on the human-robot collaboration platform „JAHIR“. On the set-up multiple modalities are used to survey the human worker.

Task

The input modalities should be enhanced by a robust and real-time capable visual hand tracking system making use of multiple cameras. The work can be based on a general-purpose tracking library (www.opentl.org).

Interested?

Just give me a call (289-25761) or write an email (lenz@in.tum.de) for further details.