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**Bernhard Dieber:**  
*RFID-based localization*

## Description

This thesis tries to determine the suitability of active RFID (Radio Frequency Identification) for long range localization. Passive and semi-active RFID systems with ranges of up to several meters have already been used for position determination in research as well as in commercial projects. Since active RFID has ranges up to several hundred meters the ability for accurate localization has to be examined.

Different topologies as well as localization techniques will be tested for their accuracy and possible applications. As a second part refinements like motion tracking have to be found for the tested topologies.

## Advisor

Prof. Bernhard Rinner