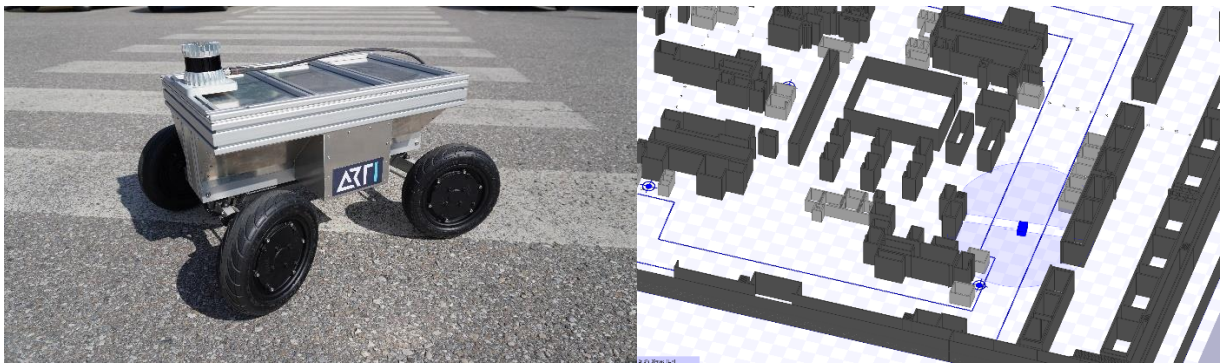


## | Potential Master's degree topic:

Automatic configuration of a base driver using derived kinematic parameters



## | Additional Information:

**Keywords:** Base Driver, Automatic Configuration/Calibration, Kinematics

**Fields of Research:** Autonomous Robotics, Calibration, Kinematics

**Short description:** Automatic configuration of a base driver for robots. Using a description of the robot (e.g. by a URDF), kinematic parameters are derived (e.g. wheel distance, etc.).

These are then used to configure the base driver. Automatic tests are then carried out to recalibrate the values obtained. This is to reduce the deviation between "should" and "is" (keyword: manufacturing tolerances).