

Team Information

Picture of vehicle:



Name of vehicle: AMOR

Picture of team leader:



Name of team leader: Prof. Dr. Klaus-Dieter Kuhnert

Team Name: AMOR

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Team Information

Team Description:

The team was founded to create a platform for research in autonomous driving in the outdoors. The aim is to build a robot, which is capable to drive through heavy terrain typical for the central European landscape. The main emphasis is put on the security and the expandability of the system to allow several groups of co-workers to work with the robot at the same time. The sensors of the robot are focused on inertia and laser line scanners in combination with other depth-image generating systems, like PMD cameras and stereo CCD cameras.

The robot can be provided with a global map of his surroundings to find a optimal path to a coordinate, given in longitude and latitude.

Sponsors:

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Selection of scenario:

1. Reconnaissance and surveillance
2. Camp security
3. Transport
4. Mule
5. EOD

Proof of citizenship: