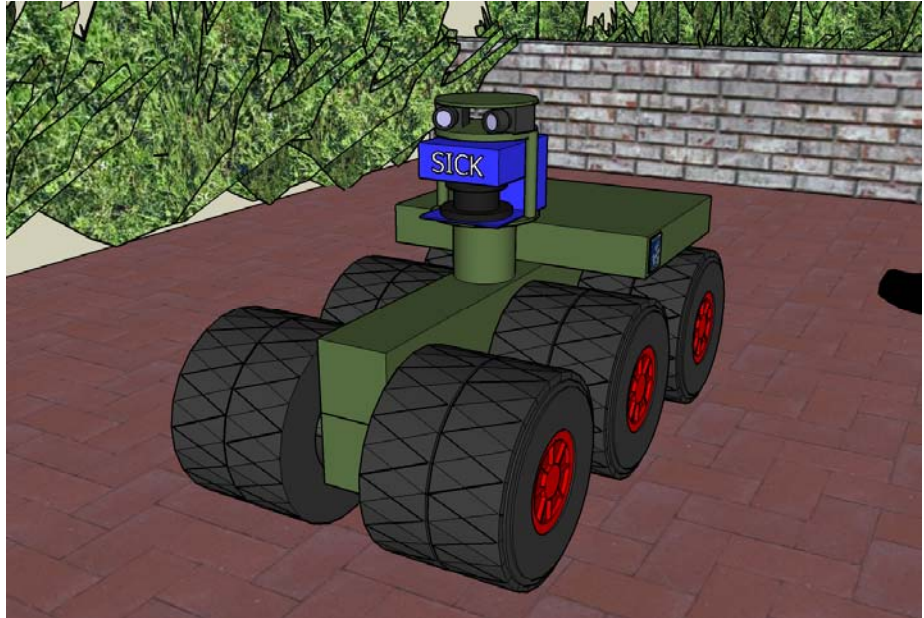


Team Information

THE CURRENT VALUES IN THE FOLLOWING FORM ARE **EXAMPLES!!!**

!!! PLEASE replace with your data or delete them !!!

Picture of vehicle:



Name of vehicle:

Mörri

Picture of team leader:

Name of team leader:

Juha Röning

Team Name:

University of Oulu

Team E-mail:

celrob@ee.oulu.fi

Website:

<http://www.ee.oulu.fi/research/isg/projects/CELROB>

Location:

Oulu, Finland

Institution/Company:

University of Oulu

Address:

Intelligent Systems Group

Department of Electrical and Information Engineering

P.O.Box 4500

FIN-90014

University of Oulu Finland

Telephone:

+358-8-553 1011

Fax:

+358-8-553 2612

Team Description:

The Oulu Robotics Group Team (ORG) is Oulu University's entry into the ELROB2008. The team is composed of faculty and students from of Electrical and Information Engineering, under the leadership of Juha Röning (Professor) and Antti Tikanmäki (Researcher). Our vehicle is called the "Mörri".

Team Information

Mörri is a six wheel solid base robot with very strong motors. The robot has been designed in order to operate in extreme conditions and weathers and with heavy load to carry.

The vehicle is actuated via a robust wireless connection. The vehicle contains several sensors to measure movements and surrounding environment. This includes, laser scanner, two cameras, inclinometer and GPS. All sensors take a part on estimation of current state of the robot in the environment. Several autonomous features have been included on-board computer to ease the operation. This includes collision avoidance, route execution, and obstacle analysis and data fusion. Our vehicle is semi-autonomous and human operator's role is to give guidelines to vehicle as it travels on the environment.

Sponsors:

Sick, Noptel

Selection of scenario:

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

Proof of citizenship:

A copy of team leader passport will do (will not be published)!