

Team Information



Picture of vehicle:

Name of vehicle:

Outdoor MERLIN



Picture of team leader:

Name of team leader:

Prof. Dr. Klaus Schilling

Team Name:

Outdoor MERLIN

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Team Information

Team Description:

The department Computer Science VII, Robotics and Telematics, of the University of Würzburg and the Zentrum für Telematik (ZfT) are represented by the team “Outdoor MERLIN” under the leadership of Prof. Dr. Klaus Schilling (head of the department Computer Science VII) at the Civilian European Land-Robot Trial C-ELROB 2009. The team members are collaborators of the department and students of the University of Würzburg.

Our vehicles used in this trial are called “Outdoor MERLIN”. The MERLIN (Mobile Experimental Robots for Locomotion and Intelligent Navigation) family of rovers is based on a modular data processing and control system, implemented on-board for autonomous reactions and coordinating with tele-operation actions from remote control centres. The Outdoor MERLIN vehicles are built for harsh outdoor environments in severe weather situations. These small tele-operated rovers have been designed for numerous inspection and observation tasks in scenarios like detecting pipeline defects, exploring planetary surfaces or tele-learning.

Selection of scenario:

Reconnaissance and surveillance

Camp security

Autonomous navigation

Transport – mule