

Team Information



Picture of vehicle:

Name of vehicle:

“PIPIT”



Picture of team leader:

Name of team leader:

Janusz Będkowski

Team Name:

UGV “PIPIT” TEAM

Team E-mail:

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Website:

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Location:

Warsaw

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Team Description:

The UGV “PIPIT” TEAM is composed by students from Warsaw University of Technology faculty of Electronics and Information Technology. We are working on fast decision system based on LSM Laser System Measurement. We would like to present results on CELROB 2007 as simulator of 4-wheel drive vehicle with LSM system. Our vehicle is called “PIPIT”. The LMS is the unmanned ground vehicle perception. The goal of our work is the implementation of the fast intelligent control system of the mobile robot. The robot path of motion without collision should be as long as possible at the maximum speed. The time of making decision determines the system quality and should be as short as possible. At this moment we are predicting 20 km/h of mean value of velocity in reality.

Team Information

The development of the intelligent control system began in October 2005. At the time of the initial team application, the virtual model of vehicle is functional and able to drive without collision in virtual world. To learn our system we used to present associated vectors of LSM – results and “how to drive”-vectors. System is building its own data base of behaviour. We would like to exhibit functionality of this system and ability to learn in different virtual environments.

Sponsors: Warsaw University of Technology
faculty of Electronics and Information Technology

Selection of scenario: exhibition 13th - 16th of August 2007

Proof of citizenship: Team leader passport is enclosed.