

Eurathlon 2013

23-27. September 2013,
Berchtesgaden, Germany

Team Information

Picture of vehicle:



Name of vehicle:

CyberMobile

Picture of team leader:



Name of team leader:

Igor Kudryashov

Team Name:

NAMT

Team E-mail:

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Logo:

Website:

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Location:

Nizhny Novgorod

Institution/Company:

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Team Description:

The «NAMT» Team entry into the ELROB2013. The team consisting of students and staff of the two institutions:

Nizhny Novgorod Automotive Technical School

Moscow State Technical University named after N.E. Bauman

Vehicle «CyberMobile» is the next stage of development of unmanned vehicle robot.

Preceding the sample on the basis of vehicle GAZ Gazelle 3302-288 prepared team «NAMT» took part in the All-Russian Festival of robotic vehicles-robots «RoboCross» with the following results:

«RoboCross 2011» 2nd prize

«RoboCross 2012» 1st prize.

«CyberMobile» was created based on the ATV and includes on-board computers, system of motor control, control system sensors, vision system, GPS. Our vehicle work under control of on board computer system. During movement, the environment is perceived through two laser range finders, IP-cameras, and Kinect. All sensors acquire environment data at speeds of 10 to 100 Hz. Map and report are included in the 10 Hz, which allows «CyberMobile», to avoid collisions with obstacles in real time as you go along ELROB-2013 route.

Sponsors: ----

Selection of scenario:

- Reconnaissance and surveillance in urban structures (USAR)
- Mobile manipulation for handling hazardous material
- Search and rescue in a smoke filled underground structure
- Autonomous navigation using GPS, GLONASS and GALILEO
- EOR/EOD/IEDD/CIED (for professionals only!)

Proof of citizenship: A copy of team leader passport will do (will not be published)!

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