

ELROB 2018

24 - 28 September 2018

Mons, Belgium

Team Information

Picture of vehicle:



Name of vehicle: MSAS

Picture of team leader:



Name of team leader:

Team Name: MSAS

Team E-mail: januszbedkowski@gmail.com

Logo:

Website: www.mandalarobotics.com

Location: ul. Wagnera 1/53 96-100 Skierniewice,

Return form to: elrob@fkie.fraunhofer.de

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Team Information

Poland

Institution/Company: MANDALA

Address: ul. Wagnera 1/53 96-100 Skierniewice

Telephone: 0048 501 090 020

Fax:

Team Description:

Our team is focused on robotic 3D mapping applications. The goal is to achieve full autonomy in this task. We start research in this direction some years ago, thus we have already shown our results in several real robotic trials. We demonstrated our first prototype during CELROB 2011. We improved this prototype for competition during Eurathlon 2013 where we successfully delivered 3D maps of the environment. We increased the TRL of our prototype during FP7 ICARUS project. The system was demonstrated during Eurathlon 2015 as a component of ICARUS team. We tested it in EnRicH 2017 and demonstrated improved capabilities of accurate 3D mapping of unknown area.

Sponsors:

Selection of scenario:

- Reconnoitring of structures (3D mapping & find simulated radiation sources)
- Mule (shuttle between two locations)
- Convoying (transport with two vehicles)
- Search & Rescue (SAR) / MedEvac (find and drag a dummy body)
- Reconnaissance and disposal of bombs and explosive devices (EOD/IED; **for professionals only!**)

Proof of citizenship::

A copy of team leader passport will do (will not be published)!

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