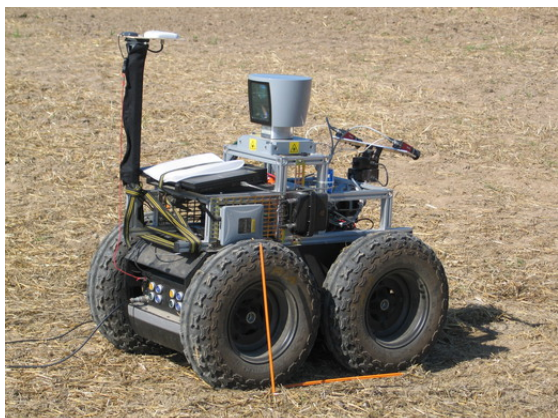


Team Information

Picture of vehicle



Name of vehicles: Mana



Picture of team leader:

Name of team leader:

Simon Lacroix

Team Name:

Marble

Team E-mail:

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Location:

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Team Description:

Autonomous mobile robotics has been a research topic studied at LAAS/CNRS since the late 70's. We have always favored a constructive and integrative way of thinking robotics, aiming at defining robotics as a wholesome scientific discipline. A wide variety of problems are studied: environment perception and modeling, path planning, task planning, task execution control, motion control, decisional architecture, heterogeneous multi-robots systems, learning, human robot interaction... In field robotics, our focus is currently on aero-terrestrial multi-robot systems.

Team Information

Our vehicle is the rover *Mana*, a SegWay RMP400 that has been equipped at LAAS with a stereovision bench, a Velodyne Lidar, a solid-state inertial measurement unit and a fiber-optic gyro. The main robotics functionalities we aim at demonstrating cover the wide range of classical functions related to autonomous navigation: robot localization, terrain mapping, motion generation...

Sponsors:

No sponsors (yet)

Selection of scenario:

1. ISR (both Approach and Reconnoitre)
2. Transport/Mule