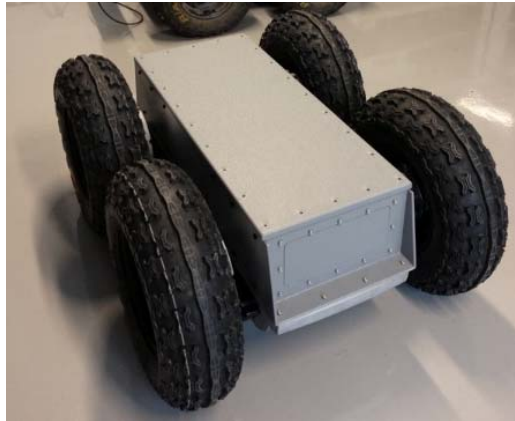


# Eurathlon 2013

23-27. September 2013,  
Berchtesgaden, Germany

## Team Information

Picture of vehicles :



Name of vehicle: Mana and Minnie

Picture of team leader:



Name of team leader: Simon Lacroix

Team Name: RIS

Team E-mail: [simon.lacroix@laas.fr](mailto:simon.lacroix@laas.fr)

Logo:



Website: <http://www.laas.fr>

Location: 7, Avenue du Colonel Roche  
BP 54200  
F-31031 Toulouse Cedex 4

Institution/Company: LAAS/CNRS

**Return form to: [eurathlon@fkf.fraunhofer.de](mailto:eurathlon@fkf.fraunhofer.de)**

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23-27. September 2013,

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## Team Information

Address: 7, Avenue du Colonel Roche  
BP 54200  
F-31031 Toulouse Cedex 4

Telephone: +33 561 33 62 66

Fax: +33 561 33 64 55

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.

Our vehicles are the rovers *Mana* and *Minnie*, two SegWay RMP400 that have 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... and multi-robot cooperation.

Sponsors: Non

Selection of scenario:

Reconnaissance and surveillance in urban structures (USAR)

Search and rescue in a smoke filled underground structure

Autonomous navigation using GPS, GLONASS and GALILEO

Proof of citizenship: A copy of team leader passport will do (will not be published)!

**Return form to: [eurathlon@fkf.fraunhofer.de](mailto:eurathlon@fkf.fraunhofer.de)**