euRathlon 2015

17th - 25th September 2015,

Piombino, Italy

Team Information Form

Team Details

Team Name: SARRUS - Search And Rescue Robot of UPM & Sener

Institution/Company: UPM – SENER.

Logo (attach or insert here):

SARRUS

SEARCH AND RESCUE ROBOT OF UPM & SENER

Website: *http://robcib.etsii.upm.es/index.php/en/projects-28/sarrus-menu-item*

Home location of team: Madrid - Spain

Name of team leader: Mario Andrei Garzón Oviedo

Picture of team leader (attach or insert here):

When was the team established (year): 2014

Team Description (including names of the team members):

The team was created in a joint effort between the *Robotics and Cybernetics* research group from the Centre for Automation and Robotics (CAR UPM-CSIC) and SENER Ingeniería y Sistemas, S.A. - The team members are:

Mario Andrei Garzón Oviedo	CAR UPM-CSIC (Team Leader)
Antonio Barrientos Cruz	CAR UPM-CSIC
Jaime Del Cerro Giner	CAR UPM-CSIC
Erik Hernández Serrato	CAR UPM-CSIC
Jorge De León Rivas	CAR UPM-CSIC
Jorge Lozano Cardoso	SENER Ingeniería y Sistemas S.A.
David Alfredo Garzón Ramos	SENER Ingeniería y Sistemas S.A.

Team Sponsors (if any):

Contact Details

Team E-mail:	sarrus@etsii.upm.es
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If you are a single- or two-domain team, do you wish to team-up before or during the competition to create a multi-domain team?

Yes:_____ No:__X___

NOTE: To further promote multi-domain teams, teams who participate in any combined scenario, or wish to team-up (before or during the competition), will be given priority over teams that register for single-domain trials only.

euRathlon 2015 Scenarios selection

Please check all scenarios you wish to enter and give the name(s) of the robot(s) you plan to use in each scenario.

euRathlon 2015 Scenarios		**Domain**	**Name of the robot(s)**
	The Grand Challenge: Combined air, land and sea.	Air:	
		Land:	
		Sea:	
	Sub-challenge (L+A): Survey the building and search for a missing worker.	Land:	
		Air:	
	Sub-challenge (S+A): Pipe inspection and search for a worker.	Sea:	
		Air:	
	Sub-challenge (L+S): Stem the leak.	Land:	
		Sea:	
	Land Trial (L1): Reconnaissance in urban structure.	Land:	Summit XL or Summit XL-HL
	Land Trial (L2): Mobile Manipulation (valve open/closing).	Land:	
	Sea Trial (S1): Navigation and environmental survey.	Sea:	
	Sea Trial (S2): Leak localisation and valve open/closing.	Sea:	
	Air Trial (A1): Aerial detection and mapping.	Air:	
	Air Trial (A2): Aerial reconnaissance inside a building.	Air:	

NOTE-1: This is an indicative table. New robots/scenarios may be added or substituted before the competition, in which case a new vehicle specification sheet and/or updated SAP must be submitted.

NOTE-2: If you wish to participate in the Grand Challenge, we strongly recommend that you participate in sub-challenges and trials, as they have been designed as training for the GC. Two-domain and three-domain teams who wish to participate in the Grand Challenge will be expected to participate in a minimum of two sub-challenges and four trials.