

euRathlon 2015

17th - 25th September 2015,

Piombino, Italy

Team Information Form

Team Details

Team Name: AUGA

Institution/Company: ACSM

Logo (attach or insert here):

Website: www.acsmships.com

Home location of team: Vigo, Spain

Name of team leader: Gumersindo Espiña

Picture of team leader (attach or insert here):

When was the team established (year): 2015

Team Description (including names of the team members):



Our team name is AUGA (Autonomous Underwater Galician Action) formed by the SME ACSM. We are a single domain team from Sea. We are looking for land and aerial teams in order to team up.

AUGA started with the training of the team in February in Girona. Part of the team also participated in the Workshop on Marine Sensors and Manipulators, WMSM15 celebrated in Las Palmas within the Eurocast Conference. After that, the team has been gaining experience with ROS. The integration of various sensors as camera, DVL and sonar will be done, and different tests in pools and at controlled sea environment. At the last stage the team will simulate the scenarios and try to team-up with other land and sea teams to prepare the Grand Challenge. The team will try also to make other training and ROS related courses.

Team Members:

- G. Espiña
- L. Sánchez
- A. Nuez
- R. Rodríguez
- J. Aramburu
- B. Cornide
- D. Gutiérrez

Team Sponsors (if any):

Contact Details

Team E-mail: gespina@acsmships.com

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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:

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:	AUGA
	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:	AUGA
		Air:	
	Sub-challenge (L+S): Stem the leak.	Land:	
		Sea:	AUGA
	Land Trial (L1): Reconnaissance in urban structure.	Land:	
	Land Trial (L2): Mobile Manipulation (valve open/closing).	Land:	
	Sea Trial (S1): Navigation and environmental survey.	Sea:	AUGA
	Sea Trial (S2): Leak localisation and valve open/closing.	Sea:	AUGA
	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.