

# euRathlon 2015

17<sup>th</sup> - 25<sup>th</sup> September 2015,

Piombino, Italy

## Team Information Form

### Team Details

Team Name: UNIFI Team

Institution/Company: University of Florence – Department of Industrial Engineering (DIEF)

Logo (attach or insert here):



UNIVERSITÀ  
DEGLI STUDI  
FIRENZE

**DIEF**  
DIPARTIMENTO  
DI INGEGNERIA  
INDUSTRIALE

Website: [www.mdm.unifi.it](http://www.mdm.unifi.it) , [www.dief.unifi.it](http://www.dief.unifi.it)

Home location of team: Florence, Italy

Name of team leader: Francesco Fanelli

Picture of team leader (attach or insert here):



When was the team established (year): 2012 (for SAUC-E competition)

Team Description (including names of the team members):

- Francesco Fanelli, team leader, PhD student
- Pierluca D'Adamio, PhD student

- Jonathan Gelli, PhD student
- Niccolò Monni, PhD student
- Libero Paolucci, PhD student
- Matteo Bianchi, Student
- Stefano Laszlo Capitani, Student
- Andrea Corrieri, Student
- Marco Montagni, Student
- Alessandro Nocentini, Student
- Alberto Topini, Student
- Greta Urbani, Student
- Samuele Vagli, Student
- Fabio Bartolini, Researcher
- Roberto Conti, Researcher
- Riccardo Costanzi, Researcher
- Alessandro Ridolfi, Researcher
- Lorenzo Gori, Technician
- Marco Natalini, Technician

Team Sponsors (if any): MDM Team s.r.l.

### **Contact Details**

Team E-mail: [francesco.fanelli@unifi.it](mailto:francesco.fanelli@unifi.it)

Institution/Company: University of Florence, School of Engineering

Address: Via di Santa Marta, 3, 50139, Florence, Italy

Telephone: +39 055 2758764

Fax: +39 055 2758755

### **Other information (will not be published)**

Proof of citizenship (please attach a scan): a copy of the team leader's ID/passport will do.

Brief CVs of the team members (please attach a pdf)

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:	
<b>X</b>	Sub-challenge (S+A): Pipe inspection and search for a worker.	Sea:	FeelHippo, MARTA
		Air:	Batigol
	Sub-challenge (L+S): Stem the leak.	Land:	
		Sea:	
	Land Trial (L1): Reconnaissance in urban structure.	Land:	
	Land Trial (L2): Mobile Manipulation (valve open/closing).	Land:	
<b>X</b>	Sea Trial (S1): Navigation and environmental survey.	Sea:	FeelHippo, MARTA
<b>X</b>	Sea Trial (S2): Leak localisation and valve open/closing.	Sea:	FeelHippo, MARTA
<b>X</b>	Air Trial (A1): Aerial detection and mapping	Air:	Batigol
	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.*

*NOTE: The information in this form, except the proof of citizenship and CVs, will be published on the website. If you wish to keep some information private, please let us know.*