Only 3 days to go and the preparations are well underway, the course is being laid and all of the tents are already in place. During SAUC-E '12 there will be a series of lectures by some of the top researchers involved in MORPH project (2nd link at <a href="http://www.cmre.nato.int/">http://www.cmre.nato.int/</a>) who expressed willingness in arranging their travel schedules in order to accommodate a series of lectures that would reflect the state of the art and the vision of the MORPH. SAUC-E was identified as an event with a high synergistic value to explore for the first MORPH summer school.

The times and the list of the lectures are the following:

Lecture 1: Sunday 17h00-17h45, Mar. Massimo Caccia (CNR, ITA), Provisional title: System perspectives, Topics: engineering, system components, team-ready technologies

Lecture 2: Sunday 17h45-18h30, Dr. Heiko Bülow (Jacobs Uni., DEU), Provisional title: Online perception and SLAM, Topics: Interacting with the environment, 3D Registration, SLAM

Lecture 3: Sunday 18h30-19h15, Dr. Jan Opderbecke (IFREMER, FRA), Provisional title: Operational aspects, Topics: At sea operations, implications of AxV teams

Lecture 4: Monday 17h00-17h45, Prof. Antonio Pascoal (IST, PRT), Provisional title: Cooperative motion planning, control and navigation. Topics: Cooperative motion planning and control, range-based formation keeping, Acoustic beacon and geophysical-based navigation

Lecture 5: Monday 17h45-18h30, Dr. John Potter (NURC, ITA), Provisional title: Enabling Technology: Underwater communication. Topics: Communication, standards, Acoustics and alternative methods

Lecture 6: Monday 18h30-19h15, Dr. Fernando Tempera (IMAR, PRT), Provisional title: End user perspective and exploitation of technology leaps. Topics: Using technology beyond the engineers realm. Current and prospective applications

As a payback for giving you one full extra day for practice when compared to the SAUC-E '11 schedule, the organizers are requesting that each team has at least FIVE members attending the lecture that covers the topic interesting to those individuals. Thus, not all the team members are required to attend all the lectures.

#### Prize money for the 2012 competition

Main competition

1st = 3000 €

2nd = 2500 €

3rd = 2000 €

Plate competition

1st = 1500 €

2nd = 1250 €

3rd = 1000 €

Team Individual/Innovation awards

9 awards of 750 €

We look forward to seeing you all on Friday and at the BBQ on Saturday.

Nick and Vladi

## Thanks to our sponsors



## **SAUC-E '12**











6 - 13 July 2012









# **Schedule of Events**

### Sponsored by

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### **SAUC-E '12 SCHEDULE OF EVENTS**

Day 1 Fri	, July 6 - Vehicle Safety Inspection / Familiarisation Day	Day 5	Tue, July 10 - Practice Runs, Qualifying Runs (all day)
<b>Day 1</b> Fri	7	09:00	Daily plan brief (team leaders, organisers, judges - when present)
09.00	Teams arrival and Registration o/c Mandatory familiarisation meeting	13:00	Lunch
13:00	Lunch	Day 6	Wed, July 11 - Qualifying Runs (all day)
Day 2	Sat. July 7 - Practice Runs (all day)	09:00	Daily plan brief (team leaders, organisers, judges - when present)
09:00	Daily plan brief (team leaders, organisers, judges - when present)	09:15 - 11:45	Static Judging (8 teams: 15 min. Team Presentation)
13:00	Lunch	13:00	Lunch
15:00	Welcome BBQ		
13.00	Welcome DDQ	Day 7	Thu. July 12 - Qualifying Runs <i>(all day)</i>
Day 3	Sun, July 8 - Practice Runs (all day)	09:00	Daily plan brief (team leaders, organisers, judges - when present)
09:00	Daily plan brief (team leaders, organisers, judges - when present)	09:15 - 11:45	Static Judging (7 teams: 15 min. Team Presentation)
13:00	Lunch	13:00	Lunch
17:00 - 17:45	Mr Massimo Caccia (CNR, ITA)	Day 8	Fri. July 13 - Final Runs (all day) / Media Day
	System perspectives Topics: engineering, systems components, team-ready technologies.	08:00	Final Runs
17:45 - 18:30	Dr Heiko Bulow (Jacobs Uni., DEU)	14:00	Media Event
	Online SLAM with Visual and Sonar Data Topics: interacting with the environment, 3D registration, SLAM	17:00	Award Ceremony o/c Buffet Lunch
18:30 - 19:15	<b>Dr Jan Opderbecke</b> (IFREMER, FRA) Underwater robots for ocean science - from R&D to routine operations Topics: at sea operations, implications of AxV teams		
_ /			
Day 4	Mon, July 9 - Practice Runs (all day)		
09:00	Daily plan brief (team leaders, organisers, judges - when present)		
13:00	Lunch	Notos	
17:00 - 17:45	Prof Antonio Pascoal (IST, PRT) Cooperative motion planning, control and navigation Topics: cooperative motion planning and control, range-based formation keeping, acoustic beacon and geophysical based navigation	Notes: 1. Transport departs to CMRE 08:30 daily and returns at 16:30 2. CMRE is closed to all competitors' at 19:30	
17:45 - 18:30	<b>Dr John Potter</b> (CMRE, ITA)  Enabling Technology: Underwater communications  Topics: communication, standards, acoustic and alternative methods		
18:30 - 19:15	Dr Fernando Tempera (IMAR, PRT) End user perspective and exploitation of technology leaps Topics: using technologies beyond the engineers realm; current and per-		

spective applications

