

euRathlon/SHERPA Summer School 2015

1-5 June 2015, Oulu, Finland

	Monday 1 June	Tuesday 2 June	Wednesday 3 June	Thursday 4 June	Friday 5 June
7:35	Bus departs Nallikari	Bus departs Nallikari	Bus departs Nallikari	Bus departs Nallikari	Bus departs Nallikari
7:50	Bus departs pick-up point at city center	Bus departs pick-up point at city center	Bus departs pick-up point at city center	Bus departs pick-up point at city center	Bus departs pick-up point at city center
8:15-8:50	Distribution of welcoming kits, Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
9:00-10:00	SHERPA Invited Talk: Silvia Ferrari - Information-driven Planning and Control for Autonomous Agents	SHERPA TALK: Herman Bruyninckx - SW and functional architectures in robotics	SHERPA TALK: Gabriel Agamennoni - Non-linear optimization and the specific challenges for SLAM	Sprint day for getting robot ready. Testing in real world and simulation	CHALLENGE Presentations and demonstrations
10:00-11:00	SHERPA Talk: Lorenzo Marconi - The SHERPA Project, Claudio Melchiorri (CAI) : Search and Rescue on the Alps	SHERPA TALK: Patrick Doherty - Mixed-Initiative Cooperative Systems	SHERPA TALK: Rafaella Carloni - modeling of Mechatronic Systems	Preparation for challenge demonstrations	
11:00-11:30	Break	Break	Break	Break	Break
11:30-12:30	COPPELIA ROBOTICS: Mark Freese - Introduction to V-REP robotics simulator	SHERPA TALK: Alberto Finzi - Mixed-Initiative and Multimodal Interaction with Multiple Drones	SHERPA TALK: Roberto Naldi - Low Level Control of Aerial Vehicles	Preparation for challenge demonstrations	Workshop and Summer School Closing
12:30-13:15	Lunch	Lunch	Lunch	Lunch	Lunch
13:15-13:45	Introduction to the used water domain simulator	Introduction to Probot Modular robotics	Introduction to Aquamarine Robots' vessels	Poster session	
13:45-14:15	Introduction to the used air domain simulator	Introduction to SHERPA devices and sensors.	Introduction to SHERPA devices and sensors.		
14:15-14:30	Break	Break	Break	Break	
14:30-15:30	Splitting students to ground-, water- and air domain robot teams. Hands on experiments with domain-specific simulators.	Hands on experiments with simulated domain-specific robots and sensors	Hands on experiments with simulated domain-specific robots and sensors	Preparation for challenge demonstrations	
15:30-15:45	Break	Break	Break	Break	
15:45-17:45	Hands on experiments with domain-specific simulators	Hands on experiments with simulated domain-specific robots and sensors	Hands on experiments with simulated domain-specific robots and sensors	Preparation for challenge demonstrations.	
17:45-18:00	Discussion of day 1	Discussion of day 2	Combining ground-, water- and air-domain teams to multi-domain teams	Discussion of day 4	
18:15	Bus departs to Nallikari, city center	Bus departs to Nallikari, city center	Bus departs to Nallikari, city center	Bus departs to Nallikari, city center	
20:00- 23:00	Get together event			Farewell event	