



Program

	Monday, July 8	Tuesday, July 9	Wednesday, July 10	Thursday, July 11
Goal of the day	Basics of robotics - Sensing	Controlling	Moving in the real world	Learning
9:30 - 10:00	Welcome, team building			
9:00 - 9:45		Exercises on simple behaviors	Exercises on motion	Introduction to Machine learning
10:00 - 10:45	Introduction to mobile robotics and Thymio	Reactive behaviours and state machines	Motion and direction	Learning
11:00 - 11:45	Exercises on Thymio programming	Exercises on simple behaviors	Exercises on motion and direction	Exercises on learning
Lunch	Together welcome lunch	Free lunch	Free lunch	Together farewell lunch
13:15 - 14:00	Sensors	Theory on control.	Obstacle avoidance	Deep learning
14:15 - 15:00	Exercises on sensors	Exercises on control	Exercises on obstacles	Exercises on deep learning
15:15 - 16:00	Programming	Collaborative challenge	Probabilistic localisation	Conclusion with discussion
16:15 - 17:00	Exercises on sensors	Collaborative challenge	Exercises on localisation	