

## Training plan

The training plan for the PhD Student includes the enrollment in the Automatic Control, Robotics and Computer Vision Doctoral Program at UPC, with Label of Excellence from the Ministry of Education MEE2011-0453.

She/he will be supervised by Dr. Mariella Dimiccoli (MD) in all aspects of predoctoral research, from generating and addressing research questions to write and present a paper to different kind of audience.

Working on AWESOME, the PhD student will have the opportunity to be cross-trained by researchers having a different and complementary background in deep learning, machine learning, computer vision, Natural Language Processing and to collaborate with researchers in other research institutions on a national and international level. Additionally, the work team of the project includes Prof. Raffaella Bernardi from the University of Trento, Italy, specialized in Natural Language Processing, with whom we will collaborate on several aspects of the project. MD has a consolidated network of international collaborations built thanks to the participation in European research projects and national projects outside Spain, as well as several stays abroad. Currently, MD is the recipient of a prestigious Humboldt Fellowship for experienced researchers and this summer she joined for a few months the group lead by Prof. Thomas Brox at the University of Freiburg, Germany. This is allowing to build a new and solid collaboration with exceptional researchers in the field of Computer Vision and will facilitate collaborations in Germany through the exchange of PhD students.

The PhD student will be encouraged to apply to the the prestigious and selective International Computer Vision Summer School, held every year in Sicily since 2006 and to participate to the Deep Learning Barcelona Symposium and the Annual Catalan Meeting on Computer Vision held yearly in Barcelona, since the participation to these events create excellent networking opportunities for the students. In addition, the student will be advised on the different mobility programs that are available and compatible with their grants or contracts, such as the mobility programs from the Spanish Government and Catalonian Government, or other international tools. We give special attention also at developing strong communication skills through the active participation to internal seminars regularly held at the IRII in the Perception & Manipulation group, where PhD student share their ongoing progresses and challenges, train for presentation in conferences and get feedback from seniors researchers of the group. Additionally, to enhance the critical thinking and make them gaining visibility in the community, as PhD students get experience in publishing, they get involved in peer review in particular in conference where MD is regularly or occasionally serving as area chair.

The IRII is paying much attention to building and animating a dynamic and stimulating environment for the continuous formation of its PhD students. The Doctoral Commission of the IRI, to which MD belongs to, organizes yearly the Doctoral day, where all PhD students present a poster and different activities are proposed to students, from ludic activities for team-building to proposing tips for the doctoral journey. The internal doctoral commission is also responsible for monitoring the quality and progress of the theses, and identifying potential problems. The Institute holds an open seminar series during which researchers from other institutions, even from abroad, introduce and discuss the most recent developments. This provides a stimulating research environment for PhD students and opportunities for direct and concrete interaction and participation. All the IRII activities are conceived strictly following the requirements and principles of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers, since our two parent institutions are endorsers of this regulation. Indeed, the IRI also holds a Gender equality Commission and a Health and Safety Commission, aimed at fostering gender equality and to improve Health and Safety in the workplace, respectively.