

IT Professional

With a **double master** in **computer science** (Université de Nice - Sophia Antipolis) and **telecommunication engineering cum laude** (Politecnico di Torino) and a Ph.D. in computer science

Marco is a multidisciplinary professional of Information Technology.

Marco is currently **leading** the **computer vision group** and member of the **robotics area** at IIT.

COMPUTER SCIENCE COMPETENCES

- **Languages:** C/C++, Java, Basic, Visual Basic, **MATLAB**, **LabView** and others
- **Operative systems:** **Windows** (expert), **Linux** (basic)
- **Electronics:** basic electronic design knowledge (**VHDL**, and others)
- **Microsoft Office:** proficient user
- **Imaging software:** Image analysis (OpenCV), 3D (Maja), basic CAD, and others
- **Databases:** **MySQL**, Access
- **Networks:** knowledgeable **TCP/IP**, **UDP**, wireless nets (**Bluetooth**, **GSM**, **CDMA**)

MANAGEMENT COMPETENCES

- **Languages:** mother tongue **Italian**,
fluent **English**,
fluent **French**,
basic Spanish
- **Management tools:** **UML**, **WBS**, **Gant** and **PERT/CPM** graphs
- **Management expertise:** **6 years** → small university/student project management (2-4 people)
2 years → European/national/regional project management
(also main contributor and proposer)

SCHOOL TRACK

- **2009:** **Ph.D.** at Telecom ParisTech (Paris, **France**)
- **2006:** **Master cum laude** in **telecommunications** engineering
at Politecnico di Torino (Torino, **Italia**)
- **2005:** **Master** recherche in computer science (track **multimedia**)
at université de Nice Sophia Antipolis (Sophia Antipolis, **France**)
- **2003:** Diploma in telecommunications eng. (105) at Politecnico di Torino

RECENT WORK EXPERIENCES

IIT – Genova – Torino (Italy)

2010 – Current

Researcher, Project Manager Jr., computer science, tele-robotics and bio-technologies

Project: activities are touching 4 main tasks: a) **building and coordinating** European and national teams; b) developing a **tele-robotic** interface; c) preliminary study of novel technologies for **vision**, and **bio technologies**; d) scientific writing and presentations.

Outcomes:

- Several scientific papers in international conferences and journal (submitted)
- Development of a novel tele-robotic interface
- Coordination of a European partnership
- European project proposal (FP7-Health)

Personal Gains:

- **Team work:** interaction with big, international work groups, use of CVS
- Knowledge on European, national, and regional research calls

Autonomy: Creation of a new research project, ideas, partner search, and proposal submission

EURECOM – Sophia Antipolis (France)

2005 – 2010

Researcher and software developer (affective computing, vision, audio processing)

Project: During this period Marco developed research work about the possible interactions between emotions and computer science. In details, the study focused on three main tasks: 1) emotion recognition (facial expressions and prosody), 2) display of emotions (3D graphics and text-to-speech) and 3) synthesis of artificial emotions (Artificial Intelligence).

During this time Marco also worked as **teaching assistant** and **project management**.

Outcomes:

- More than 15 publications in international conferences and workshops
- Development of several softwares for emotions recognition, display, and synthesis
- 2 best paper awards, an invitation for a seminar at the psychology faculty in Geneva (Switzerland)
- Technical Program Committee of MMM 2010 and 2012, reviewer of many conferences and journals

Personal gains:

- Fluency in **English** and **French**
- Master level teaching in English and French
- Acquisition of several technical **computer science** and **data-analysis** competences
- First use of basic **project management** techniques

CONTACTS

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I authorize the processing of personal data (Italian D.Lgs. 196/2003)