



Enrico Sartori

Curriculum Vitae

Area of interest

I love to deal with robotics from medical to industrial, aerial and domestic fields. In particular, applications where new solutions could improve the task's safety, performances and help people. Particular emphasis is placed in compliant robotics, exoskeleton and generally application requiring force control. I'm eager to join and play a role in tight-knit teams.

Education

- 2015–2018 **Master of Science (110/110 with honors)**, *Computer science and engineering*, Verona University, Major: Embedded systems.
- 2012–2015 **Bachelor of Science (108/110)**, *Computer science*, Verona University.
- 2007–2012 **Technical institute**, *ITIS G. Marconi*, Verona.

Thesis

Master thesis

- Title *An Energy-Based Approach for Tele-Echography*
- Relators Prof. Riccardo Muradore
- Description This thesis aims to build a tele-echography system by implementing a modern bilateral teleoperation algorithm that allows to maintain passivity and, thus, safety also with a communication channel affected by time-varying delays.

Bachelor thesis

- Title *Cutaneous Feedback in Teleoperated Robotic Hands*
- Relators Prof. Riccardo Muradore & Prof. Paolo Fiorini
- Description This thesis aims to build a tele-operation system in order to test the effectiveness of a cutaneous feedback in a grasping task.

Fellowships

- Oct 2018 - **Research Assistant**, AltairLab, Verona University.
- Oct 2019 The goal of the project is the realization of an Exoskeleton to support people affected by muscle weakness (e.g. Duchenne Muscular Dystrophy). The main focus is placed on force control since the application requires high robustness in the interaction with human and unknown environments.

Via Albertini, 8 – Verona, Italia

☎ +39 349 1825630 • 📞 045 8401894 • ✉ enrico.sartori.vr@gmail.com

1/2

- Apr - Sep 2018 **Research Fellowship**, *ARS Project*, AltairLab, Verona University.
The goal of the fellowship is to realize a tele-operation system to control the DaVinci surgical robot with Leo: the lightweight console built by BBZ s.r.l.
- Nov 2017 - Feb 2018 **Scholarship**, *computer science department*, Verona University.
The project involved in the realization of a web platform where students can summarize their work experience. The goal was to provide a tool in order to allow professors to evaluate such experiences.

Publications

- 2018 **Tele-Echography using a Two-Layer Teleoperation Algorithm with Energy Scaling**, *Enrico Sartori, Carlo Tadiello, Cristian Secchi, Riccardo Muradore*, ICRA 2019.
- 2016 **Cutaneous Feedback in Teleoperated Robotic Hands**, *Enrico Sartori, Paolo Fiorini, Riccardo Muradore*, IECON 2016.

Languages

- Italian Mother tongue
English Fluent

Work experiences

- 2012–2017 **Software analyst and developer**, AP CONSULTING S.R.L., San Martino Buonalbergo, Verona.
Analysis and development of solutions integrated with Mago.net (management software distributed by AP Consulting s.r.l.).
- October 2016 **Developer**, BBZ S.R.L., Verona University.
Development of the embedded software that manages the grippers of the surgical simulation platform developed by BBZ s.r.l.

Computer skills

- Programming languages C, C++, C#, PYTHON, MATLAB, JAVASCRIPT, OBJECTIVE-C, GO, JAVA, SCALA
- Robotics frameworks ROS (Robot Operating System), Robotics Toolbox (Peter Corke)
- DataBase MSSQL, MYSQL, SQLITE
- Web HTML5, CSS3, FLASK/CHERRYPY, NODE, ANGULAR2, REACT, JWT Authentication
- Other GIT, L^AT_EX

Interests

Volleyball and more generally sports, science and technology, food and good meals.

In compliance with the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff and I confirm to be informed of my rights in accordance to art. 7 of the above mentioned decree.

Firma
