Gennaro Raiola

Curriculum Vitae

Via Ariosto 3 16159 Genova, IT ⊠ gennaro.raiola@gmail.com

Education

09/2017- Post-Doc

current at ADVR-DLS, Istituto Italiano di Tecnologia (IIT), Genova, Italy.
www.

03/2017- Post-Doc

07/2017 at Robotics and Mechatronics group, University of Twente, Enschede, The Netherlands. • www.

2016-2017 *Ph.D. student in Robotics* at CEA-List (French Alternative Energies and Atomic Energy Commission), Gif-sur-Yvette, France. • www.

2014-2015 *Ph.D. student in Robotics* at INRIA - Flowers / ENSTA-ParisTech, Palaiseau, France. • www.

2010-2012 Master's Degree (M.Sc) with honor in Automation and Control Engineering given by the University of Naples "Federico II", Naples, Italy.

2006-2010 Bachelor's Degree (B.Sc) in Computer Engineering given by the University of Naples "Federico II", Naples, Italy.

Profession

2012-2013 Research Engineer in Motion Control of Humanoid Robots at PAL Robotics S.L., Barcelona, Spain. • www.

Research Interests

Controls, Software Engineering, Machine Learning, Motion Primitives, Collaborative robotics.

Selected Software projects

- "ros-control"
 Ros packages to make controllers generic to all robots.
- o "virtual-fixtures" **♠ ●**Library of virtual guides for co-manipulation.



2015 **Gennaro Raiola**, Xavier Lamy, and Freek Stulp.

"Co-manipulation with Multiple Probabilistic Virtual Guides". 🗋

In International Conference on Intelligent Robots and Systems (IROS).

- 2015 **Gennaro Raiola**, Pedro Rodriguez-Ayerbe, Xavier Lamy, Sami Tliba, and Freek Stulp.
 - "Parallel Guiding Virtual Fixtures: Control and Stability".
 In IEEE Multi-Conference on Systems and Control (MSC).
- 2014 Freek Stulp, Laura Herlant, Antoine Hoarau, and **Gennaro Raiola**. "Simultaneous On-line Discovery and Improvement of Robotic Skill". In *International Conference on Intelligent Robots and Systems (IROS)*.
- 2013 Freek Stulp, **Gennaro Raiola**, Antoine Hoarau, Serena Ivaldi, and Olivier Sigaud.

"Learning Compact Parameterized Skills with a Single Regression". In *IEEE-RAS International Conference on Humanoid Robots*.

Service

Open-source Maintainer of ros-control packages.

Research Reviewer for international conferences and journals:

- Autonomous Robots (Springer).
- The International Conference on Robotics and Automation (ICRA).
- o IEEE-RAS International Conference on Humanoid Robots.
- International Conference on Intelligent Robots and Systems (IROS).

Languages

italian native proficiency

english professional working proficiency

french limited working proficiency

spanish basic knowledge