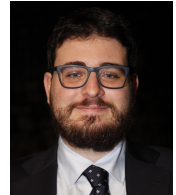


# Dario Guidotti

✉ dario.guidotti@edu.unige.it

🌐 <https://www.dibris.unige.it/guidotti-dario/>

in [www.linkedin.com/in/dario-guidotti-AIMS/](http://www.linkedin.com/in/dario-guidotti-AIMS/)



## Employment History

- 2018 – present    **Ph.D. Student.** University of Genoa, Italy.  
*Supervisors:* Massimo Narizzano and Armando Tacchella.  
*Topic:* Enhancement of Machine Learning methods through Formal Verification.
- 04/2018 – 07/2018    **Master Thesis Intern.** DLR German Aerospace Center, Institute of Robotics and Mechatronics, Cognitive Robotics.  
*Main activity:* Design and Implementation of Artificial Intelligence algorithms for Prosthetics Control.

## Education

- 2016 – 2018    **M.Sc. Computer Engineering, University of Genoa, Italy.**  
*Thesis:* Investigation in Formal Methods applied in Prosthetic Control.  
*Final Grade:* 110/110 (magna cum laude).
- 2013 – 2016    **B.Sc. Computer Engineering, University of Genoa, Italy.**  
*Thesis:* Design and Implementation of a controller for an Autonomous Vehicle for the NXP Cup.  
*Final Grade:* 110/110 (magna cum laude).

## Research Publications

### Journal Articles

- 1 **Guidotti, D., Leofante, F., Tacchella, A., & Castellini, C. (2019).** Improving reliability of myocontrol using formal verification. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*.

### Conference Proceedings

- 1 **Guidotti, D. & Leofante, F. (2019).** Verification and repair of neural networks: a progress report on convolutional models. In *Proceedings of the cyber-physical systems phd workshop 2019*.
- 2 **Guidotti, D., Leofante, F., Castellini, C., & Tacchella, A. (2019).** Repairing Learned Controllers with Convex Optimization: A Case Study. In *Sixteenth International Conference on the Integration of Constraint Programming, Artificial Intelligence, and Operations Research*.

## Skills

- Languages    **Italian** native speaker. Good reading, writing and speaking competencies for English (CEFR C1).
- Coding    **C, C++, C#, Java, Python, Matlab, PHP, SQL, L<sup>A</sup>T<sub>E</sub>X.**
- Web Dev    **HTML, CSS, JavaScript.**