

Andrea Ticozzi | Curriculum Vitae

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Education

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| Politecnico di Milano <i>PhD, Information Technology – Systems and Control</i> | Milan <i>Nov. 2020 – present</i> |
| Politecnico di Milano <i>MSc, Automation and Control Engineering</i> Final grade: 110/110 cum laude | Milan <i>Sep. 2018 – Oct. 2020</i> |
| École polytechnique fédérale de Lausanne <i>One-semester mobility program</i> | Lausanne <i>Sep. 2019 – Feb. 2020</i> |
| Politecnico di Milano <i>BSc, Automation Engineering</i> Final grade: 110/110 cum laude | Milan <i>Oct. 2015 – Jul. 2018</i> |
| Liceo Scientifico G. Fracastoro <i>High-school diploma</i> Final grade: 100/100 cum laude | Verona <i>Sep. 2010 – Jul. 2015</i> |

Master thesis

Title: *Analysis and development of an anti-lock braking system for cargo e-bikes*

Supervisors: prof. Sergio M. Savaresi, prof. Matteo Corno, dr. Stefano Carnier

Description: This thesis aimed to design an automatic braking assistance system for pedal-assisted cargo bicycles. The work focused on virtual sensing algorithms, braking control systems and fault detection procedures. Experimental validation shew the effectiveness of the proposed solutions.

Languages

Italian: Mother tongue

English: Upper-intermediate *B2*, Cambridge FCE

French: Beginner, *A1*

Computer skills

Intermedio: C, PYTHON, L^AT_EX

Avanzato: Matlab, Simulink, Microsoft Office

Other experiences

2013 – present: Volunteering at ANFFAS Onlus Verona (Association for intellectual disabled people and their families): involvement in leisure activities with a group of 20 volunteers and 30 disabled people; participation and coordination of weekly planning meetings.

2015 – 2017: Organization of musical events *Home Sound*, aimed at raising funds for ANFFAS association. Specifically: contacting singers and bands; choice of the location; organization and preparation of the event; managing the bar service during the event.

2015 – 2020: Math and physics tutoring to high school students.