Dario Calogero Guastella

Curriculum Vitae

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Academic experience

1 Mar. 2026 - present — **Tenure-track Assistant Professor** - *Dept. of Electrical, Electronic and Computer Engineering, University of Catania, Italy*.

1 Jan. 2022 - 28 Feb. 2026 — **Assistant Professor** - *Dept. of Electrical, Electronic and Computer Engineering, University of Catania, Italy*.

Dec. 2018 – Dec. 2021 — **Postdoctoral Research Fellow** - *Department of Electrical, Electronic and Computer Engineering, University of Catania, Italy*, Research project: *"Control of mobile robots in unstructured environments"*.
Principal Investigator: Prof. Giovanni Muscato

Education

2015 – 2018 — **PhD in Systems, Energy, Computer and Telecommunication Engineering** - *Department of Electrical, Electronic and Computer Engineering, University of Catania, Italy*, graduation date: January 7th, 2019, PhD thesis title: *"Ground Vehicle Navigation through Traversability Analysis of Outdoor Environments"*.

2013 – 2015 — **Master's degree in Automation Engineering and Control of Complex Systems** - *University of Catania, Italy*, graduation date: July 23rd, 2015, final grades: 110/110 cum laude.

2010 – 2013 — **Bachelor degree in Electronic Engineering** - *University of Catania, Italy*, graduation date: November 25th, 2013, final grades: 110/110 cum laude.

Teaching

Automatic Control - *Bachelor degree in Electronic Engineering, Department of Electrical, Electronic and Computer Engineering*, University of Catania, Italy.

Robotics - *Master degree in Automation Engineering and Control of Complex Systems*, Department of Electrical, Electronic and Computer Engineering, University of Catania, Italy.

Nonlinear Systems Control - *Master degree in Automation Engineering and Control of Complex Systems*, Department of Electrical, Electronic and Computer Engineering, University of Catania, Italy.

Editorial and Peer-Review Activities

Sep. 2024 – present **Associate Editor** - *International Journal of Advanced Robotic Systems (IJARS)*, Sage Publications, section: "Robot Manipulation and Control".

2023 – 2025 **Associate Editor** - *IEEE International Conference on Robotics and Automation (ICRA)*, Profile: "Aerial and Field Robotics", Editor: Prof. Lino Marques.

Reviewer for **IEEE** - *Transactions on Robotics, Transactions on Field Robotics, Robotics and Automation Letters, Transactions on Control Systems Technologies*.

Elsevier - *Robotics and Autonomous Systems, ISA Transactions*.

Springer Nature - *Journal of Intelligent & Robotic Systems, Scientific Reports*.

Conferences - *Several international conferences in robotics, control, and automation, including: IEEE-RAS/RSJ International Conference on Intelligent Robots and Systems (IROS), IEEE-RAS International Conference on Robotics and Automation (ICRA), IEEE-RAS International Conference on Automation Science and Engineering (CASE), IEEE-CSS Conference on Decision and Control (CDC)*.

Research projects involvement

Jan. 2026 – present **MEDROB4REHAB, Integrated robotic solution for the support and monitoring of home-based motor rehabilitation** - *Cascade funding scheme under the PNRR project Fit4MedRob, Fit for Medical Robotics*, Project team member.

Jan. 2025 – Dec. 2025 **FAIR, Future Artificial Intelligence Research** - *PNRR project funded by the Italian Ministry of University and Research*, WP 10.6 "Embodied AI for Action and Perception", SPOKE 10 Sustainable Bio-Socio-Cognitive AI, Member of the research unit.

Jan. 2022 – Dec. 2024 **Innovative methodologies and technologies for manipulative, mobile, and collaborative robotics for Industry 4.0** - *PON "Ricerca e Innovazione" 2014–2020 REACT-EU project funded by the Italian Ministry of University and Research*, Member of the research unit.

Sep. 2021 – Feb. 2022 **ARNOLD** - *AI-based full-coveRage AutoNOmous Local uv-Disinfection Robot*, national project funded by Italian Ministry of University and Research, FISR 2020 COVID, Member of the research unit.

Dec. 2018 – Dec. 2019 **CLARA** - *CLoud plAtform and smart underground imaging for natural Risk Assessment*, national project funded by Italian Ministry of University and Research, Programma Operativo Nazionale "Ricerca e Competitività" 2007-2013, Member of the research unit.

Easywalk, BioBLU, AGREED, NATIFLife e SUMMIT - *Involvement in the research activities of the following projects: PRIN-PNRR 2022 Easywalk, INTERREG Italy/Malta BioBLU and NATIFLife, PON "Ricerca e Innovazione" 2014–2020 AGREED, PON "Imprese e Competitività" 2014–2020 SUMMIT*.

Awards

2022 **Best Paper Award**, *Industrial Robot – Emerald Publishing* for the paper entitled "Adaptive navigation control of an active smart walker" presented at CLAWAR 2022 conference.

2020 **Best Paper and Presentation Award** at *AUTOMATICA.IT 2020* national conference for the contribution entitled "Autonomous Vision-Based Aerial Navigation and Environment Interaction with Multi-Rotors"

2018 **Best Paper Award**, *Industrial Robot – Emerald Publishing* for the paper entitled "A walking assistant using brakes and low cost sensors" presented at CLAWAR 2018 conference.

Memberships

2019 – present **IEEE Robotics and Automation Society**.

2019 – present **Italian Institute for Robotics and Intelligent Machines (I-RIM)**.

Last updated on June 2026