

Alessandro Devo, PhD

Business Owner

EXPERIENCE

2020-Present

Red Lynx I Via Mario Donati Guerrieri 16, 06132, Perugia, Italy

CO-FOUNDER AND BUSINESS ADMINISTRATOR

2021

Tandon School of Engineering - New York University I NYC, USA

VISITING RESEARCHER

2018

Istituto Nazionale di Fisica Nucleare I Perugia, Italy

ASSISTANT PROFESSOR

PUBLICATIONS

- 2022 Autonomous Single-Image Drone Exploration with Deep Reinforcement Learning and Mixed Reality, *Devo, A.; Mao, J.; Costante, G.; Loianno, G.*, IEEE Robotics and Automation Letters.
- 2022 E-VAT: an Asymmetric End-to-End Approach to Visual Active Exploration and Tracking, *Dionigi, A.; Devo, A.; Guiducci, L.; Costante, G.*, IEEE Robotics and Automation Letters.
- 2021 Enhancing Continuous Control of Mobile Robots for End-to-End Visual Active Tracking, *Devo, A.; Dionigi, A.; Costante, G.*, Robotics and Autonomous Systems.
- 2020 Towards Generalization in Target-Driven Visual Navigation by Using Deep Reinforcement Learning, *Devo, A.; Mezzetti, G.; Costante, G.; Fravolini, M.L.; Valigi, P.*, IEEE Transactions on Robotics.
- 2020 Deep Reinforcement Learning for Instruction Following Visual Navigation in 3D Maze-Like Environments, *Devo, A.; Costante, G.; Valigi, P.*, IEEE Robotics and Automation Letters.
- 2021 The Role of the Input in Natural Language Video Description, *Cascianelli, S.; Costante, G.; Devo, A.; Ciarfuglia, T.A.; Valigi, P.; Fravolini, M.L.*, IEEE Transactions on Multimedia.

SCIENTIFIC REVIEWER

Reviewer for several top international journals and conferences in the fields of Computer Science, Artificial Intelligence, and Robotics:

- IEEE International Conference on Robotics and Automation (ICRA)
- IEEE International Conference on Intelligent Robots and Systems (IROS)
- IEEE International Conference on Pattern Recognition (ICPR)
- IEEE Robotics and Automation Letters (RA-L)
- IEEE Transactions on Robotics (T-RO)
- Scientific Reports

AWARDS

- 2019 Winner of the Best Thesis Award in Information Engineering, Ordine degli Ingegneri, Perugia, Italy

EDUCATION

2021

Ph.D. in Artificial Intelligence

University of Perugia

2018

Master Degree in Information and Robotic Engineering

University of Perugia

2016

Bachelor Degree in Information and Electronic Engineering

University of Perugia

SOFTWARE SKILLS

Robot Operating System (ROS), R, Octave, C, C++, Matlab, Java, Python, Pytorch, TensorFlow, Swift, SQL, LATEX, GitHub, Unreal Engine, Kubernetes, Kubeflow, Ansible

LANGUAGES

Italian, English