

Eric Medvet, PhD

Associate Professor of Computer Engineering at Department of Engineering and Architecture, University of Trieste, Italy.

Contact: emedvet@units.it, eric.medvet@gmail.com; <http://medvet.inginf.units.it>; +39 040 558 7131, +39 328 3314160.



Research profile

My research interests are **evolutionary computation** (and its application to robotics and artificial life) and **machine learning applications**, in particular to engineering problems.

I am the head of the [Evolutionary Robotics and Artificial Life lab](#) and co-head of the [Machine Learning lab](#), at DIA, University of Trieste. [List of publications](#); [Google Scholar profile](#).

Awards (selected)

- **Google Faculty Research Award 2020** with the project titled “ReMoSo: representations and learning algorithms for highly reconfigurable modular soft robots”.
- **Best paper award at EuroGP 2018** conference (part of the EvoStar conference) for the paper “On the Automatic Design of a Representation for Grammar-based Genetic Programming”.
- **Silver medal at the Human-Competitive Results Produced by Genetic and Evolutionary Computation Awards (Humies 2016)** with the proposal “Can a machine replace humans in building regular expressions? A case study”, along with 3 other team members.

Organization, editorial, reviewing activities

- Organizer and/or (co-)chair: publication chair of the European Conference on Genetic Programming (EuroGP 2020); co-chair of the Workshop on Industrial Computational Applications (WICA) at ICCSA 2017; co-chair of the Special Session on Information and communication technologies for persons with disabilities (ICT4D) at EAI Goodtechs 2016; co-chair of the Special Session on Bio-medical data analysis and diagnosis tools at ISISPA 2013.
- Member of the program committee: EPIA Conference on Artificial Intelligence - Artificial Life and Evolutionary Algorithms (ALEA) track (EPIA 2019); Genetic and Evolutionary Computation Conference - Evolutionary Machine Learning track (EML) (GECCO 2018, GECCO 2019); European Conference on Genetic Programming (EuroGP 2018, EuroGP 2019, EuroGP 2020); Special Session on Serious Games to Improve Quality of Life at the EAI International Conference on Smart Objects and Technologies for Social Good (Goodtechs 2017, Goodtechs 2018, Goodtechs 2019); ACM SIGCOMM 2018 Workshop on Big Data Analytics and Machine Learning for Data Communication Networks (Big-DAMA 2018); International Conference on Tools with Artificial Intelligence (ICTAI 2018, ICTAI 2019); Biennial International Conference on Artificial Evolution (EA-2017); ACM International Conference on Web Intelligence, Mining and Semantics (WIMS 2017); FORMal methods for Security Engineering (ForSE 2017, ForSE 2018, ForSE 2019).
- Reviewer for international journals: IEEE Access; Applied Stochastic Models in Business and Industry; Genetic Programming and Evolvable Machines; Information Sciences; IEEE Control Systems Letters (L-CSS); Network and Computer Applications; Association for Information Science and Technology; ACM Transactions on Autonomous and Adaptive Systems; Computers and Security; IEEE Transactions on Dependable and Secure Computing; Systems and Software; Marine Science and Technology; Applied Soft Computing; Computational Intelligence; Learned Publishing; Sustainability.

Societies and groups

- ACM and ACM Special Interest Group on Genetic and Evolutionary Computation.
- COST Action CA15140: Improving Applicability of Nature-Inspired Optimisation by Joining Theory and Practice (ImAppNIO).