



Jessica Mégane Taveira da Cunha

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Education

PhD in Informatics Engineering, Intelligent Systems University of Coimbra	2021 - now
Master in Informatics Engineering, Intelligent Systems (17.6/20) University of Coimbra	2019 - 2021
Bachelor Degree in Informatics Engineering (13.4/20) University of Coimbra	2016 - 2019

Experience

Centre for Informatics and Systems of the University of Coimbra (CISUC) Researcher at Evolutionary and Complex Systems (ECOS) group, currently experimenting with Probabilities in Grammatical Evolution.	2019 - now
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Publications

Probabilistic Grammatical Evolution

Jessica Mégane, Nuno Lourenço, Penousal Machado
In Genetic Programming, 24th European Conference, EuroGP 2021, Held as Part of EvoStar 2021

Co-evolutionary Probabilistic Structured Grammatical Evolution

Jessica Mégane, Nuno Lourenço, Penousal Machado
In Genetic and Evolutionary Computation Conference (GECCO '22).

Probabilistic Structured Grammatical Evolution

Jessica Mégane, Nuno Lourenço, Penousal Machado
In IEEE Congress on Evolutionary Computation (CEC), 2022

Projects

“Probabilistic Grammatical Evolution”, MSc thesis (20/20)

Comparison between Multi-Population Migration and Random Immigrants Algorithms

Project developed in Python3 to compare two different approaches of evolving the population of Evolutionary Algorithms for the Evolutionary Computation course of the MSc.

Firefly synchronization

Project developed in Python3 with an attempt to make a model of firefly flash synchronisation for the Complex Systems course.

RDF with Onto.PT and SentiLex-PT data

RDF file with connection between words, such as synonyms, hyperonyms and other attributes for the Portuguese language.