Kevin Godin-Dubois

A-Life researcher on cognition evolution

♣ University of Toulouse
L +33 5 67 06 93 91
IRIT - CNRS UMR 5505
D +33 6 18 72 09 06
2 rue du Doyen Gabriel Marty
31042 Toulouse, France

2016-Present - Capitole University, Toulouse PhD thesis, "Environment driven speciation" Investigated how complexification of artificial creatures could be further enhanced by moving the control apparatus around the abiotic component of an

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 $\mathbf{o} \ _{\mathrm{alkgd-al@github.com/kgd-}}^{\mathrm{https://github.com/kgd-}}$

https://github.com/kgdal/CV/raw/master/cv.pdfUpto date version

Miscellaneous

Spoken Languages

French (mother tongue) English (fluent)

Hobbies

Tabletop RPG

Reading (Carlton Mellick III, Science Fiction, Medieval)

Music (Metal, Classical, Hard Rock, OSTs)

Video games (Construction, Puzzle, RPG)

Computing Skills

♥ Languages

• C++

O, Java

Python

▲ Processing

Gnuplot

Octave/Matlab

■ Redaction

● LATEX

Office Software

∆ Systems

Linux

Windows, Android

Education

2014-2016 - Paul Sabatier University, Toulouse Master's degree in Computer Science Artificial intelligence: mathematical models and training methods

2011-2014 - Paul Sabatier University, Toulouse Bachelor's degree in Computer Science

Professional Experience

2016-Present - Teachings

- 2017 & 2018, Capitole University, Toulouse
- \circ L2 Excel and Visual Basic for Applications
- o L2 Algorithms and Visual Basic
- o L3 Modeling in Database
- 2016 & 2017, Paul Sabatier University
- L2 project monitoring on C programming

2016 - Internship IRIT, France

Toulouse Research Institute on Computer Science "Rule-based artificial embryogenesis in a complex 3D environment"

Deployed rule-based genomes on the MecaCell platform to study artificial plant growth and cell specialization.

${\bf 2015}$ - Internship IRIT, France

"Comparison of different evolutionary approaches, an application to the GECCO 2015 challenge" $\,$

Performed a performance comparison (accuracy, efficiency) between Artificial Neural and Genetic Regulatory Networks on the 2015 GECCO temperature prediction challenge data.

Publications and Conferences

- Kevin Godin-Dubois et al. "Speciation under Changing Environments". In: The 2019 Conference on Artificial Life. to be published. 2019
- Kevin Godin-Dubois et al. "Self-sustainability Challenges of Plants Colonization Strategies in Virtual 3D Environments". In: Applications of Evolutionary Computation. Ed. by Kaufmann Paul et al. Cham: Springer International Publishing, 2019, pp. 377–392
- Poster presentation "Studying long term interactions between plants and their environment" at The 2018 Conference on Artificial Life
- Kevin Dubois et al. "Towards an Artificial Polytrophic Ecosystem". In: Morphogenetic Engineering Workshop, at the European Conference on Artificial Life (ECAL) 2017 September 4. 2017