

## Publications as of November 24, 2023

### International Journal (peer-reviewed)

- [1] K. Godin-Dubois, S. Cussat-Blanc, and Y. Duthen. “Explaining the Neuroevolution of Fighting Creatures Through Virtual fMRI”. In: *Artificial Life* 29.1 (Jan. 2023), pp. 66–93. ISSN: 1064-5462. DOI: 10.1162/artl\_a\_00389.

### International conferences (peer-reviewed)

- [4] K. Godin-Dubois, S. Cussat-Blanc, and Y. Duthen. “Spontaneous modular NeuroEvolution arising from a life/dinner paradox”. In: *The 2021 Conference on Artificial Life*. Cambridge, MA: MIT Press, 2021, p. 95. DOI: 10.1162/isal\_a\_00431. Presentation: <https://vimeo.com/godinduboisalife/alife2021main>.
- [6] K. Godin-Dubois, S. Cussat-Blanc, and Y. Duthen. “Beneficial Catastrophes: Leveraging Abiotic Constraints through Environment-Driven Evolutionary Selection”. In: *2020 IEEE Symposium Series on Computational Intelligence (SSCI)*. 2020, pp. 94–101. DOI: 10.1109/SSCI47803.2020.9308411.
- [9] K. Godin-Dubois, S. Cussat-Blanc, and Y. Duthen. “Self-sustainability Challenges of Plants Colonization Strategies in Virtual 3D Environments”. In: *Applications of Evolutionary Computation*. Ed. by P. Kaufmann and P. A. Castillo. Cham: Springer International Publishing, 2019, pp. 377–392. ISBN: 978-3-030-16692-2. DOI: 10.1007/978-3-030-16692-2\_25.
- [10] K. Godin-Dubois, S. Cussat-Blanc, and Y. Duthen. “Speciation under Changing Environments”. In: *ALIFE 19*. Vol. 31. Cambridge, MA: MIT Press, 2019, pp. 349–356. ISBN: 978-0-262-35844-6. DOI: 10.1162/isal\_a\_00186. Presentation: <https://vimeo.com/godinduboisalife/alife2019>.

### Workshops

- [2] K. Godin-Dubois, S. Cussat-Blanc, and Y. Duthen. “Emergent communication for coordination in teams of embodied agents”. In: *4th*

*International Workshop on Agent-Based Modelling of Human Behaviour (ALife2022)*. 2022. URL: [http://abmhub.cs.ucl.ac.uk/2022/camera\\_ready/Godin-Dubois\\_etal.pdf](http://abmhub.cs.ucl.ac.uk/2022/camera_ready/Godin-Dubois_etal.pdf).

- [3] K. Godin-Dubois, S. Cussat-Blanc, and Y. Duthen. “On the benefits of emergent communication for threat appraisal”. In: *3rd International Workshop on Agent-Based Modelling of Human Behaviour*. Online, 2021. URL: [https://abmhub.cs.ucl.ac.uk/2021/camera\\_ready/Godin-Dubois\\_etal.pdf](https://abmhub.cs.ucl.ac.uk/2021/camera_ready/Godin-Dubois_etal.pdf). Presentation: <https://vimeo.com/godinduboisalife/abmhub2021>.
- [8] K. Godin-Dubois, S. Cussat-Blanc, and Y. Duthen. “APOGeT: Automated Phylogeny Over Geological Timescales”. In: *MethAL workshop at ALife 2019*. 2019. DOI: 10.13140/RG.2.2.33781.93921.
- [12] K. Dubois, S. Cussat-Blanc, and Y. Duthen. “Towards an Artificial Polytrophic Ecosystem”. In: *Morphogenetic Engineering Workshop, at the European Conference on Artificial Life (ECAL) 2017 September 4*. 2017.

### Poster

- [11] K. Godin-Dubois, S. Cussat-Blanc, and Y. Duthen. “Studying long term interactions between plants and their environment”. In: *Alife 2018*. Tokyo, 2018. DOI: 10.13140/RG.2.2.27553.97125.

### Oral presentations

- [7] K. Godin-Dubois, S. Cussat-Blanc, and Y. Duthen. *Splinoids: first steps out of EDenS*. Lightning talk. Montreal (Virtual), 2020. DOI: 10.13140/RG.2.2.11048.19200.

### Thesis

- [5] K. Godin-Dubois. “Environment-Driven Speciation: Long-Term Interactions in Artificial Plant Communities”. PhD thesis. Doctoral school of Mathematics, Computer Science and Telecommunications (Toulouse, France), 2020. URL: <http://www.theses.fr/2020TOU10026/document>.