

## Publications as of March 22, 2021

### Pending publication

- [1] Kevin Godin-Dubois, Sylvain Cussat-Blanc, and Yves Duthen. “A life/dinner paradox: emergence of a proto-amygdala in response to virtual agents’ fears on an artificial neural substrate”. Under review.

### Peer-reviewed publications

- [3] Kevin Godin-Dubois, Sylvain Cussat-Blanc, and Yves 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.
- [5] Kevin Godin-Dubois, Sylvain Cussat-Blanc, and Yves Duthen. “APOGeT: Automated Phylogeny Over Geological Timescales”. In: *MethAL workshop at ALife 2019*. 2019, in press. DOI: 10.13140/RG.2.2.33781.93921.
- [6] Kevin Godin-Dubois, Sylvain Cussat-Blanc, and Yves Duthen. “Self-sustainability Challenges of Plants Colonization Strategies in Virtual 3D Environments”. In: *Applications of Evolutionary Computation*. Ed. by Paul Kaufmann and Pedro 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.

- [7] Kevin Godin-Dubois, Sylvain Cussat-Blanc, and Yves 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.
- [9] Kevin Dubois, Sylvain Cussat-Blanc, and Yves Duthen. “Towards an Artificial Polytrophic Ecosystem”. In: *Morphogenetic Engineering Workshop, at the European Conference on Artificial Life (ECAL) 2017 September 4*. 2017.

### Oral presentations

- [4] Kevin Godin-Dubois, Sylvain Cussat-Blanc, and Yves Duthen. *Splinoids: first steps out of EDEnS*. Lightning talk. Montreal (Virtual), 2020. DOI: 10.13140/RG.2.2.11048.19200.
- [8] Kevin Godin-Dubois, Sylvain Cussat-Blanc, and Yves Duthen. *Studying long term interactions between plants and their environment*. Poster presentation. Tokyo, 2018. DOI: 10.13140/RG.2.2.27553.97125.

### Thesis

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