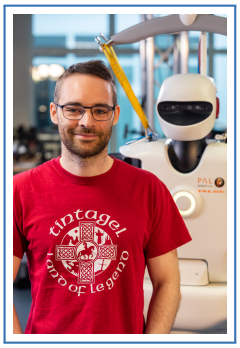

Timothée Anne

April 11, 1995

PhD Thesis

September 2020 – May 2024 **Learning-based Reflexes for Humanoid Robots**, *Nancy, France*, Université de Lorraine, in the Larsen team of LORIA/Inria Nancy-Grand Est.
Supervised by Jean-Baptiste Mouret

Publications

In Peer-Reviewed Journals

2022 **First do not fall: learning to exploit a wall with a damaged humanoid robot**, *T. Anne, E. Dalin, I. Bergonzani, S. Ivaldi and J.-B. Mouret*, in IEEE Robotics and Automation Letters, vol. 7, no. 4, pp. 9028-9035, doi: 10.1109/LRA.2022.3188884.

In Peer-Reviewed Conferences

2021 **Meta-Learning for Fast Adaptive Locomotion with Uncertainties in Environments and Robot Dynamics**, *T. Anne, J. Wilkinson and Z. Li*, 2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), Prague, Czech Republic, 2021, pp. 4568-4575, doi: 10.1109/IROS51168.2021.9635840.

2020 **Fast Online Adaptation in Robotics through Meta-Learning Embeddings of Simulated Priors**, *R. Kaushik, T. Anne and J.-B. Mouret*, 2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), Las Vegas, NV, USA, 2020, pp. 5269-5276, doi: 10.1109/IROS45743.2020.9341462.

In Minimally Reviewed Venues (Workshops, Posters, ...)

2023 **Multi-Task Multi-Behavior MAP-Elites**, *Timothée Anne and Jean-Baptiste Mouret*, In Proceedings of the Companion Conference on Genetic and Evolutionary Computation (GECCO '23 Companion). Association for Computing Machinery, New York, NY, USA, 111–114, doi: 10.1145/3583133.3590730.

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Education

2019–2020 **Prélab**, *École Normale Supérieure de Rennes*, Bruz, one year composed of two internships before the PhD (see Internships).

2016–2019 **Master in Computer science, Magistère Informatique, and Bachelor's Degree**, *École Normale Supérieure de Rennes and Université de Rennes 1*, Bruz and Rennes, France.

2013–2016 **Post-secondary preparatory school**, *MPSI (Mathematics, Physics and Engineering Science) and MP* (Mathematics and Physics)*, Lycée Malherbe, Caen.
Classes preparing for entrance examinations to the French Grandes Ecoles. The preparation for the entrance examinations to the French Grandes Ecoles begins after a student has obtained a Baccalauréat diploma (the bac, which is the equivalent of A-levels in Britain, marks the end of high-school education and qualifies a student to enter university). These preparatory courses are rarely available outside France

2012–2013 **Baccalauréat diploma (High School Diploma)**, *Lycée Fresnel*, Caen, France.
with distinction

Experience

Teaching

2022-2023 **Algorithmic, Functional Programming, and Digital Tools**, *Université de Lorraine, FST*, Nancy, France, 64 hours.

2021-2022 **Algorithmic, Functional Programming, System, and Digital Tools**, *Université de Lorraine, FST*, Nancy, France, 64 hours.

2020-2021 **Algorithmic, Functional Programming, Computer Graphics, Introduction to AI, and Advanced Methodology**, *Université de Lorraine, FST*, Nancy, France, 64 hours.

Internships

January-June 2020 **Meta-learning for adaptative locomotion of a quadruped robot**, *Advanced Robotics Lab, University of Edinburgh*, Edinburgh, United Kingdom, Zhibin Li as Supervisor.

September-December 2019 **Meta-learning for adaptative locomotion of a quadruped robot**, *Inria Nancy-Grand Est*, Nancy, France, Jean-Baptiste Mouret as Supervisor.

May-August 2018 **Characterizing individual behaviors by using Recurrent Neural Network**, *Center for Information and Neural Networks (CiNet), National Institute of Information and Communication Technology (NICT)*, Osaka, Japan, Yukie Nagai and Anja Philippsen as Supervisors.

May-July 2017 **Comparative study of intrinsically motivated goal exploration algorithms**, *Inria Bordeaux Sud-Ouest, Team Flowers*, Bordeaux, Pierre-Yves Oudeyer as Supervisor.
Study of the use of bayesian optimisation for intrinsically motivated goal exploration, called "Goal Babbling".

July 2014 **Stage Janus**, *GANIL*, Caen, Initiation to research and study of a semi-conductor.

Languages

French **Mothertongue**

English **Advanced** *TOEIC Score 965 (2018)*

Computer skills

Advanced Python, OCaml

Intermediate C++, C