
Evolutionary robotics for collective systems

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Résumé

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Collective adaptive systems are ubiquitous: from the many examples that can be observed in nature to artificial systems such as collective robotics or self-adaptive distributed algorithms. In this talk, I will describe the relevance of evolutionary robotics techniques in two different setups. Firstly, as a design method to provide on-line distributed learning algorithms for robot swarms facing open environments. Secondly, as a modelling method to better understand the dynamics of evolution of cooperation in evolutionary biology.

Biographie :

à venir

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