MIS RSS

Research Seminar Series

November 21th Monday 10:30
Room: BS43

An Adaptive Multi-Meme Memetic Algorithm

Embedding Choice Function, Reinforcement Learning and Simple Random Hyper-Heuristics

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Hyper-heuristics are intended to be reusable domain independent approaches for solving complex computational problems. There are tailored approaches successfully applied to a specific problem, however they require parameter tuning and cannot be applied to another problem. Memetic Algorithms are a combination of genetic algorithms and local search methods. The evolutionary interaction of memes helps to create intelligent complexes which are able to solve computational problems. Hyper-heuristics are a high level search technique which conducts on the field of a set of low-level heuristics which directly works on the solution.

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