Chair for Integrated Systems
TUM Department of Electrical and Computer Engineering
Technical University of Munich

Seminar

Ruleset reduction algorithms in XCS classifier system.

Learning classifier systems are a paradigm of rule-based machine learning methods that combine the power of a discovery component like genetic algorithms with a learning component like Q-learning. XCS is a type of LCS based on accuracy of the rules instead of strength, in order to achieve a rule-set with accurage and general rules to cover the input space.

Ruleset reduction algorithms are used to reduce the size of the final ruleset. This work surveys the different types of ruleset reduction algorithms.

Contact

anmol.surhonne@tum.de

Advisors

Anmol Prakash Surhonne