Summary of Using Ant Colony Optimizations to Learn Fuzzy Cognitive Maps

Chris Aga
University of Minnesota, Morris
600 East 4th St.
Morris, Minnesota 56267
agaxx010@morris.umn.edu

ABSTRACT

Abstract

Keywords

Intrusion Detection Systems, Artificial Immune Systems, Negative Selection, Computer Security, Denial of Service, Danger Theory, Dendritic Cell Algorithm, Real-Time Analysis, Segmentation

1. INTRODUCTION

2. CONCLUSION

Conclusion.

3. REFERENCES

[1] J. Carvalho and J. Tome. Rule based fuzzy cognitive maps and fuzzy cognitive maps-a comparative study. In *Fuzzy Information Processing Society, 1999. NAFIPS. 18th International Conference of the North American*, pages 115–119, 1999.

[2] Y. Chen, L. Mazlack, and L. Lu. Learning fuzzy cognitive maps from data by ant colony optimization. In *Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, GECCO '12, pages 9–16, New York, NY, USA, 2012. ACM.

[3] A. Liljencrantz. Memory consolidation in artificial neural networks. *Department of Numerical Analysis and Computer Science, Royal Institute of Technology, Stockholm*, 2003.

[4] W. Stach, L. Kurgan, and W. Pedrycz. Data-driven nonlinear hebbian learning method for fuzzy cognitive maps. In *Fuzzy Systems, 2008. FUZZ-IEEE 2008. (IEEE World Congress on Computational Intelligence). IEEE International Conference on*, pages 1975–1981, 2008.