Abstract

In this paper, we have presented a survey on Pattern Recognition technique using a new computational paradigm of Artificial Immune System. Inspired by the biological immune system, it aims to provide solutions for problems in a vast range of domains using novel computational tools. The main use of AIS in pattern recognition is in the field of data mining. The basic immune theories used to explain how the immune system performs pattern recognition are described and their corresponding computational models are presented. We also present a survey on the applications of AIS in various fields related to pattern recognition.

References

- Igawa K. and Ohashi H. 2008. A negative selection algorithm for classification and
Pattern Recognition Approaches inspired by Artificial Immune System


Index Terms

Computer Science Pattern Recognition

Keywords

Pattern Recognition Adaptive Immunity Artificial Immune System Negative Selection Clonal Selection Immune Networks