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


**Index Terms**

Computer Science  
Pattern Recognition

**Keywords**

Pattern Recognition  
Adaptive Immunity  
Artificial Immune System  
Negative Selection  
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