Abstract

Existing immune-inspired techniques have not performed as well as expected when applied to the detection of intruders in computer systems. In nature, dendritic cells function as natural anomaly detection agents, instructing the immune system to respond if stress or damage is detected, it is also a crucial cell in the detection and combination of ‘signals’ which provide the immune system with a sense of context.

References

3. de Castro and Von Zuben 2002. Learning and Optimization Using the Clonal Selection
DCA as Context (Environment) Sensitive System


Index Terms

Computer Science Applied Sciences
Keywords

Context, Artificial Immune System (AIS), Human Immune System