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Abstract Details

Title: Design Proposed Algorithm to Detect Sybil Attack and Recovery by using Clonal Selection Principle in Immune Collaborative Model

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Abstract: This paper is based design a such kind of algorithm that are used to detect Sybil attack and recovery of data by using clonal selection principle, which will very effective role in WSNs which are used in numerous applications such as environmental monitoring, habitat monitoring, prediction and detection of natural calamities, medical monitoring and structural health monitoring. WSNs consist of a large number of small, inexpensive, disposable and autonomous sensor nodes that are generally deployed in an ad hoc manner in vast geographical areas for remote operations. Sensor nodes are severely constrained in terms of storage resources, computational capabilities, communication bandwidth and power supply. The proposed model can detect the Sybil node and recover it effectively.

Keywords: Immune Collaborative Model, WSN, Security Challenges, Sybil Attack, Clonal Selection Principle.