

# **Abstract**

**Walid Aly**

## **Anomaly detection using hadoop and mapreduce technique in cloud with sensor data**

This paper presents a model to observation the Cloud computing for any anomalous activity. Hadoop it is a largely used open source Cloud Computing framework to huge data. It uses the model Machine Learning technique to detect classify anomalies of sensory observation and help to in ensuring the stabilization of virtual sensor networks. The framework it's built on top of the Hadoop and MapReduce implementation which is use one of the Machines Learning techniques to detect these anomalies. Preliminary results show that our classification mechanism is promising and able to detect anomalous events that may cause a threat to the Cloud Computing