

# **ABSTRACT**

**TOPIC: Social Media Mining for Suspicious and Offensive Keywords**

Increasing terrorist organizations are using the internet to brainwash individuals and promote terrorist activities through provocative web pages that negatively influence the youth of the nation. The growing popularity of sites like Twitter has affected a corresponding rise in social networking scams. This growing phenomenon therefore allows spammers to disseminate malicious tweets quickly and massively. Trending topics capture the emerging Internet trends and topics of discussion that are on everybody's lips. Here, a complete process to automatically collect suspect tweets according to a vocabulary of topics frequently associated with threats. Detection of tweets containing threats is a recent area of research in which most works had focused on the identification of malicious tweets and the application of a statistical analysis of language to detect offensive language in trending topics. Here, a try is made to detect abusive tweets in real time using language as the primary tool. First large dataset with trending topics and tweets is collected. Then, an extensive evaluation process is conducted that allows us to show how system is able to distinguish between malevolent benevolent messages. Thus, system can be applied for threat detection in trending topics in real time due mainly to the analysis of tweets.