



**RESEARCH ARTICLE**

# **A Novel Network Interjection Avoidance for MANET**

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*Abstract— In this paper, we propose a framework of combining intrusion detection and continuous authentication in MANETs. In this framework, multimodal biometrics are used for continuous authentication, and intrusion detection is modeled as sensors to detect system security state. This paper is an attempt to study and implement high security in Mobile Ad-hoc Networks (MANETs) using Multi-modal biometric technology and MANETs supporting security-sensitive applications in hostile environments needs to be continuously monitored for unauthorized use. In such cases, continuous verification is needed. In this paper we study and present the theory, architecture, implementation and performance of a multimodal combined IDS and Finger print authentication with data fusion providing authentication in a distributed manner.*

***Key Terms: - Multimodal biometric; MANET; Data Fusion; IDS; Dempster-Shafer Theory***

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