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### **RESEARCH ARTICLE**

# **EXHAUSTING VERVE BY VAMPIRE'S IN WIRELESS AD HOC SENSOR NETWORKS**

**<sup>1</sup>P.DivyaPrabha, <sup>2</sup>R.Sundaram**

<sup>1</sup>PG scholar, Department of Computer Science and Engineering, Anna University Chennai, India

<sup>2</sup>Assistant Professor, Department of Computer Science and Engineering, Anna University Chennai, India

<sup>1</sup>Ranganathan Engineering College, Coimbatore

<sup>2</sup>Shri Shanmugha College of Engineering and Technology College, Salem

<sup>1</sup>sahana22290@gmail.com, <sup>2</sup>sundarap.cse@gmail.com

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*Abstract -Vampire attacks are not specific to any specific protocol, but rather rely on the properties of many popular classes of routing protocols. A single Vampire can increase network-wide energy usage by a factor of  $O(N)$ , where  $N$  is the number of network nodes. This paper will use two attack on stateless protocol in which first Carousel attack is an adversary sends a packet with a route composed as a series of loops, such that the same node appears in the route many times. Second, Stretch attack where a malicious node constructs artificially long source routes, causing packets to traverse a larger than optimal number of nodes. The vampire attack are very difficult to detect and more over very difficult to prevent.*

*Keywords – Wireless network, carousel attack, stretch attack, routing, Vampire attack, Denial of services, Malicious discovery attack*

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Full Text: <http://www.ijcsmc.com/docs/papers/February2014/V3I2201476.pdf>