

## **276. TRAFFIC PATTERN ANALYSIS IN MANET FOR SECURE TRANSMISSION**

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Various techniques based on packet encryption to protect the communication in MANET has been proposed. MANETs are susceptible to certain statistical traffic analysis attacks. In this paper a Novel statistical traffic pattern discovery system (STARS) is used. STARS operational based on statically features of captured raw traffic. STARS ascertain the relationships of source to destination communication. Studies conclude STARS achieve good exactitude in hidden traffic patterns. In this traffic pattern intentions to originate the source / destination probability distribution, i.e., the possibility for each node to be a message source / destination, and the end-to-end link probability dissemination, i.e., the probability for each pair of nodes to be an end-to-end communication pair. A point-to-point traffic matrices using the time-slicing technique is erected, and then originate the end-to-end traffic matrix with a set of traffic filtering rules; and apply heuristic nodes, and then show a relationship the source nodes with their approach to identify the actual source and destination corresponding destinations.

Keywords-Mobile Ad Hoc Networks, Statistical Traffic Pattern Discovery System, Ad Hoc On demand Distance Vector, Disclosure Attack.

*Journal of Science and Innovative Engineering & Technology*