

NS2 Projects

I. NS2 BASED MANET

1. AMD: Audit-Based Misbehavior Detection in Wireless Ad Hoc Networks (**IEEE 2016**).
2. Top-k Query Processing and Malicious Node Identification Based on Node Grouping in MANETs (**IEEE 2016**).
3. Mitigating Denial of Service Attacks in OLSR Protocol Using Fictitious Nodes (**IEEE 2016**).

II. NS2 BASED WSN

1. A Fuzzy Logic based Clustering Algorithm for WSN to extend the Network Lifetime (**IEEE 2016**).
2. Reliable and Efficient Data Acquisition in Wireless Sensor Networks in the Presence of Transfaulty Nodes (**IEEE 2016**).

III. NS2 BASED NETWORK SECURITY

1. Efficient Implementation of NIST-Compliant Elliptic Curve Cryptography for 8-bit AVR-Based Sensor Nodes (**IEEE 2016**).
2. Network Diversity: A Security Metric for Evaluating the Resilience of Networks Against Zero-Day Attacks (**IEEE 2016**).
3. Detecting Colluding Blackhole and Greyhole Attacks in Delay Tolerant Networks (**IEEE 2016**).

IV. NS2 BASED SDN

1. A Multi-Stage Attack Mitigation Mechanism for Software-Defined Home Networks (**IEEE 2016**).
2. Saving Energy in Partially Deployed Software Defined Networks (**IEEE 2016**).

V. NS2 BASED VANET

1. ART: An Attack-Resistant Trust Management Scheme for Securing Vehicular Ad Hoc Networks (**IEEE 2016**).
2. Dual Authentication and Key Management Techniques for Secure Data Transmission in Vehicular Ad Hoc Networks (**IEEE 2016**).
3. Performance Modeling and Analysis of the IEEE 802.11p EDCA Mechanism for VANET (**IEEE 2016**).

VI. NS2 BASED BODY AREA NETWORK

1. Anonymous Authentication for Wireless Body Area Networks with Provable Security (**IEEE 2016**).
2. Secure and Efficient Data Communication Protocol for Wireless Body Area Networks (**IEEE 2016**).

VII. NS2 BASED PROTOCOL ANALYSIS

1. A Performance Comparison of Delay-Tolerant Network Routing Protocols (**IEEE 2016**).
2. Energy Efficient Direction-Based PDORP Routing Protocol for WSN (**IEEE 2016**).



IEEE 2016

VIII. NS2 BASED UNDERWATER SENSOR NETWORK

1. Extending the Lifetime of Dynamic Underwater Acoustic Sensor Networks Using Multi-Population Harmony Search Algorithm (**IEEE 2016**).
2. Dynamic Node Cooperation in An Underwater Data Collection Network (**IEEE 2016**).