NS2 Projects

I. *NS2 based MANET*

1. PROVEST: Provenance-based Trust Model for Delay Tolerant Networks (IEEE 2018).

2. An Evolutionary Self-Cooperative Trust Scheme against Routing Disruptions in MANETs (IEEE 2018).

3. A Unified Framework of Clustering Approach in Vehicular Ad Hoc Networks (IEEE 2018).

4. Bandwidth-Satisfied and Coding-Aware Multicast Protocol in MANETs (IEEE 2018).

5. An Online Mechanism for Detection of Gray-Hole Attacks on PMU Data (IEEE 2018).

II. *NS2 based WSN*

1. Distributed Clustering-Task Scheduling for Wireless Sensor Networks Using Dynamic Hyper Round Policy (IEEE 2018).

2.Distributed Clustering-Task Scheduling for Wireless Sensor Networks Using Dynamic Hyper Round Policy (IEEE 2018).

3.Denial of Service (DoS) Defense for Resource Availability in Wireless Sensor Networks

(IEEE 2018).

4. Centralized Trust Based Secure Routing in Wireless Networks (IEEE 2018).

III. *NS2 based NETWORK SECURITY*

1. Zero MAC Latency Sensor Networking for Cyber Physical Systems (IEEE 2018).

2. A Survey of Physical Layer Security Techniques for 5G Wireless Networks and

Challenges Ahead (IEEE 2018).

3. Forward Collision Vehicular Radar with IEEE 802.11: Feasibility Demonstration through

Measurements (IEEE 2018).

4. Using Bayesian Networks for Probabilistic Identification of Zero-day Attack Paths

(IEEE 2018).

IV. *NS2 based SDN*

1. An Effective Approach to Controller Placement in Software Defined Wide Area

Networks (IEEE 2018).

2. Privacy-Preserving DDoS Attack Detection Using Cross-Domain Traffic in Software

***Defined Networks* (IEEE 2018).**

3. Towards Bayesian-based Trust Management for Insider Attacks in Healthcare Software-

***Defined Networks* (IEEE 2018).**

V. *NS2 based VANET*

1. Key Distribution Based on Phase Fluctuation between Polarization Modes in Optical

***Channel* (IEEE 2018).**

2. Distributed Social Welfare Maximization in Urban Vehicular Participatory Sensing

***Systems* (IEEE 2018).**

***3. A Secure and Efficient Authentication Technique for Vehicular Ad-Hoc Network* (IEEE**

2018).

***4. Reliable Cooperative Authentication for Vehicular Networks* (IEEE 2018).**

5. Distributed Privacy-Preserving Collaborative Intrusion Detection Systems for VANETs

(IEEE 2018).

6. Data Uploading in Hybrid V2V/V2I Vehicular Networks: Modeling and Cooperative

***Strategy* (IEEE 2018).**

7. A Novel Infrastructure-Based Worm Spreading Countermeasure for Vehicular Networks

(IEEE 2018).

VI. *NS2 based BODY AREA NETWORK*

1. Energy-Efficient and Distributed Network Management Cost Minimization in

Opportunistic Wireless Body Area Network (IEEE 2018).

2. Certificate less Public Auditing Scheme for Cloud-Assisted Wireless Body Area

Networks (IEEE 2018).

VII. *NS2 based PROTOCOL ANALYSIS*

1. Theoretical Modeling and Analysis of Magnetic Induction Communication in Wireless

Body Area Networks (WBANs) (IEEE 2018).

2. A Cooperative Clustering Protocol with Duty Cycling for Energy Harvesting Enabled

Wireless Sensor Networks (IEEE 2018).

VIII. *NS2 based UNDERWATER SENSOR NETWORK*

1. Distributed acoustic sensor using broad band weak FBG array for large temperature

Tolerance (IEEE 2018).

2. Compressive Sampling and Reconstruction of Acoustic Signal in Underwater Wireless

Sensor Networks (IEEE 2018).