



NS2 PROJECTS

I. NS2 BASED MANET

1. Trust-Based Task Assignment With Multiobjective Optimization in Service-Oriented Ad Hoc Networks **(IEEE 2017)**.
2. Contradiction Based Gray-Hole Attack Minimization for Ad-Hoc Networks **(IEEE 2017)**.
3. A Coalition Formation Game for Distributed Node Clustering in Mobile Ad Hoc Networks **(IEEE 2017)**.
4. Social Norm Incentives for Network Coding in Manets **(IEEE 2017)**.

II. NS2 BASED WSN

1. Energy Efficient Clustering Algorithm for Multi-Hop Wireless Sensor Network Using Type-2 Fuzzy Logic **(IEEE 2017)**.
2. A Wireless Sensor Network Border Monitoring System: Deployment Issues and Routing Protocols **(IEEE 2017)**.

III. NS2 BASED NETWORK SECURITY

1. A Game-theoretic Approach to Fake-Acknowledgment Attack on Cyber-Physical Systems **(IEEE 2017)**.
2. Resilience of DoS Attacks in Designing Anonymous User Authentication Protocol for Wireless Sensor Networks **(IEEE 2017)**.
3. Coding Schemes for Securing Cyber-Physical Systems Against Stealthy Data Injection Attacks **(IEEE 2017)**.



IV. NS2 BASED SDN

1. The Energy-Aware Controller Placement Problem in Software Defined Networks(**IEEE 2017**).
2. Line Switch: Tackling Control Plane Saturation Attacks in Software-Defined Networking(**IEEE 2017**).

V. NS2 BASED VANET

1. Delay Analysis of Physical Layer Key Generation in Dynamic Roadside-to-Vehicle Network(**IEEE 2017**).
2. RSU-Assisted Geocast in Vehicular Ad Hoc Networks(**IEEE 2017**).
3. An Efficient and Fast Broadcast Frame Adjustment Algorithm in VANET(**IEEE 2017**).

VI. NS2 BASED BODY AREA NETWORK

1. Secure and Energy-Efficient Data Transmission System Based on Chaotic Compressive Sensing in Body-to-Body Networks(**IEEE 2017**).
2. Cost-Effective Mapping Between Wireless Body Area Networks and Cloud Service Providers Based on Multi-Stage Bargaining(**IEEE 2017**).

VII. NS2 BASED PROTOCOL ANALYSIS

1. Connectivity of Magnetic Induction-Based Ad Hoc Networks(**IEEE 2017**).
2. Low Power Wide Area Network Analysis: Can LoRa Scale? (**IEEE 2017**).



VIII. NS2 BASED UNDERWATER SENSOR NETWORK

1. Water Ingress Detection in Low-Pressure Gas Pipelines Using Distributed Temperature Sensing System (IEEE 2017).
2. Scheduling Battery-Powered Sensor Networks for Minimizing Detection Delays(IEEE 2017).