

List of Projects in Vehicular Ad Hoc Networks

S-Logix

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1. An Adaptive Control Structure Based Fast Broadcast Protocol For Vehicular Ad Hoc Networks, IEEE Communications Letters, May 2017 [NS2].
2. Vertical Handoff Decision Using Fuzzification and Combinatorial Fusion, IEEE Communications Letters, May 2017 [NS2].
3. Modeling and QoS Analysis of the IEEE 802.11p Broadcast Scheme in Vehicular Ad Hoc Networks, Journal of Communications and Networks, May 2017 [NS2].
4. Trustworthiness Evaluation-based Routing Protocol for Incompletely Predictable Vehicular Ad hoc Networks, IEEE Transactions on Big Data, June 2017 [NS2].
5. An Efficient Cache Strategy in Information Centric Networking Vehicle-to-Vehicle Scenario, IEEE Access, June 2017 [NS2].
6. A Hybrid Approach for Efficient Privacy Preserving Authentication in VANET, IEEE Access, June 2017 [NS2]
7. Enhancing Quality of Service Conditions Using a Cross-Layer Paradigm for Ad-hoc Vehicular Communication, IEEE Access, June 2017.
8. Design of Lightweight Authentication and Key Agreement Protocol for Vehicular Ad Hoc Networks, IEEE Access, July 2017 [NS2].
9. Automatic Incident Detection in Intelligent Transportation Systems Using Aggregation of Traffic Parameters Collected Through V2I Communications, IEEE Intelligent Transportation Systems Magazine, April 2017 [NS2].
10. Private Reputation Retrieval in Public – A Privacy-Aware Announcement Scheme for VANET, IET Information Security, June 2017 [NS2].
11. Reliable Cooperative Authentication for Vehicular Networks, IEEE Transactions on Intelligent Transportation Systems, June 2017 [NS2].
12. V2X Routing in a VANET Based on the Hidden Markov Model, IEEE Transactions on Intelligent Transportation Systems, June 2017 [NS2].

13. Throughput of Infrastructure-Based Cooperative Vehicular Networks, IEEE Transactions on Intelligent Transportation Systems, March 2017 [NS2].
14. Neighbor-Aided Localization in Vehicular Networks, IEEE Transactions on Intelligent Transportation Systems, March 2017 [NS2].
15. Dynamic Hierarchical Aggregation for Vehicular Sensing, IEEE Transactions on Intelligent Transportation Systems, May 2017 [NS2].
16. An Architecture of Cloud-Assisted Information Dissemination in Vehicular Networks, IEEE Access, 2016 [NS2].
17. Energy-Efficient Cooperative Relaying for Unmanned Aerial Vehicles, IEEE Transactions on Mobile Computing, June 2016 [NS2].
18. PBA: Prediction-based Authentication for Vehicle-to-Vehicle Communications, IEEE Transaction on Dependable and Secure Computing, 2016 [NS2]
19. Optimization of Resources with Fine-Tuning of Transmission Parameters in VANETs, International Journal of Computer Applications, May 2016 [NS2].
20. On Trajectory-Based I2V Group Message Delivery over Vehicular Ad Hoc Networks, IEEE Transactions on Vehicular Technology, 2016 [NS2].
21. Geographic Routing in Multilevel Scenarios of Vehicular Ad Hoc Networks, IEEE Transactions on Vehicular Technology, 2016 [NS2].
22. Dependability of Decentralized Congestion Control for varying VANET density, IEEE Transactions on Vehicular Technology, 2016 [NS2].
23. End-to-End Delay Bound Analysis for Location-based Routing in Hybrid Vehicular Networks, IEEE Transactions on Vehicular Technology, 2016 [NS2].
24. LORA- Loss Differentiation Rate Adaptation Scheme for Vehicle-to-Vehicle Safety Communications, IEEE Transactions on Vehicular Technology, 2016 [NS2].
25. REPLACE – A Reliable Trust-based Platoon Service Recommendation Scheme in VANET, IEEE Transaction on Vehicular Technology, 2016 [NS2].
26. Multihop Beaconing Forwarding Strategies in Congested IEEE 802.11p Vehicular Networks IEEE Transactions on Vehicular Technology, 2016 [NS2].
27. Host Based Intrusion Detection for VANETs- A Statistical Approach to Rogue Node Detection, IEEE Transaction on Vehicular Technology, 2016 [NS2].

28. Cost-efficient Sensory Data Transmission in Heterogeneous Software Defined Vehicular Networks, IEEE Sensors Journal, May 2016 [NS2].
29. MixGroup: Accumulative Pseudonym Exchanging for Location Privacy Enhancement in Vehicular Social Networks , IEEE Transactions on Dependable and Secure Computing, February 2016 [NS2].
30. V2V QoS Guaranteed Channel Access in IEEE 802.11p VANETs, IEEE Transactions on Dependable and Secure Computing, February 2016 [NS2].
31. DIVERT- A Distributed Vehicular Traffic Re-routing System for Congestion Avoidance, IEEE Transactions on Mobile Computing, 2016 [NS2].
32. Distributed and Fair Beaconing Rate Adaptation for Congestion Control in Vehicular Networks , IEEE Transaction on Mobile Computing, 2016 [NS2].
33. A Street-Centric Opportunistic Routing Protocol Based on Link Correlation for Urban VANETs, IEEE Transactions on Mobile Computing, July 2016 [NS2].
34. A Pseudonym Management System to Achieve Anonymity in Vehicular Ad Hoc Networks, IEEE Transactions on Mobile Computing, February 2016 [NS2].
35. An Adaptive Multipath Geographic Routing for Video Transmission in Urban VANETs, IEEE Transactions on Intelligent Transportation Systems, 2016 [NS2].
36. Using Wireless Link Dynamics to Extract a Secret Key in Vehicular Scenarios, IEEE Transactions on Mobile Computing, 2016 [NS2].
37. A Robust Security Algorithm for VANETs, International Journal of Computer Applications, May 2016 [NS2].
38. Dynamic Key based Authentication Scheme for Vehicular Cloud Computing, 2015 [NS2].
39. Technique to Improve the File Transfer Outcomes Between Road Side Unit and Vehicles in Vehicular Ad-Hoc Networks, International Conference on Computing, Communication and Automation, May 2015 [NS2].
40. A Reactive and Scalable Unicast Solution for Video Streaming over VANETs, IEEE Transaction on Computers, 2015 [NS2]
41. Secure and Robust Multi-Constrained QoS aware Routing Algorithm for VANETs , IEEE Transaction on Dependable and Secure Computing, 2015 [NS2]
42. Isolating Packet Dropping Misbehavior in VANET Using Ant Colony Optimization, International Journal of Computer Applications, June 2015.

43. An Intersection based Traffic Monitoring using VANET, International Journal of Computer Applications, May 2015.
44. Improving reachability of multi-hop alert messages dissemination in VANETs, Information and Communication Technology Convergence (ICTC), 2014 International Conference on. IEEE, 2014 [NS2].
45. ROFF: RObust and Fast Forwarding in Vehicular Ad-Hoc Networks, IEEE Transaction on Mobile Computing, 2014 [NS2]
46. A Novel approach for Detection of Distributed Denial of Service attack in VANET, International Journal of Computer Applications, June 2015.
47. Euler's Totient based Group Formation Scheme in VANET, International Journal of Computer Applications, June 2015.
48. Efficient Privacy-Preserving Authentication for Vehicular Ad Hoc Networks, IEEE Transactions on Vehicular Technology, 2014 [NS2].
49. ACPN: A Novel Authentication Framework with Conditional Privacy-Preservation and Non-Repudiation for VANETs, IEEE Transactions on Parallel and Distributed Systems, 2014 [NS2]
50. On Joint Privacy and Reputation Assurance for Vehicular Ad Hoc Networks, IEEE Transactions on Mobile Computing, 2014 [NS2]
51. A New Handover Scheme for Providing Security in VANET, International Journal of Computer Applications, May 2014 [NS2]
52. A Study and Performance Analysis of AODV, DSR and GSR Routing Protocols in VANET, International Journal of Computer Applications, June 2014 [NS2]
53. Verification and Inference of Positions in Vehicular Networks through Anonymous Beaconing, IEEE Transactions on Mobile Computing, 2014 [NS2]
54. Scalable Back-Bone-Assisted Hop Greedy Routing for VANETs City Environments (SBHG), International Journal of Computer Applications, June 2014 [NS2]
55. Comparative Study of Enhanced AODV Routing Protocols in VANET, International Journal of Computer Applications, June 2014 [NS2]
56. Delay minimization and Vehicle velocity based Traffic Control Scheme in VANET, International Journal of Computer Applications, July 2014 [NS2]

57. Vehicular Security Through Reputation and Plausibility Checks, IEEE Systems Journal, June 2014 [NS2]
58. A Design Approach of Congestion Control for Safety Critical Message Transmission in VANET, IEEE, 2014 [NS2]
59. A Multihop-Authenticated Proxy Mobile IP Scheme for Asymmetric VANETs, IEEE Transactions on vehicular technology, September 2013 [NS2].
60. Traffic Differentiation and Scheduling for QoS support in Vehicular Sensor Networks 2013 IEEE [NS2]
61. Evaluation of the Use of Guard Nodes for Securing the Routing in VANETs, IEEE Journal of Communications and Networks, April 2013 [Java/NS2]
62. Footprint: Detecting Sybil Attacks in Urban Vehicular Networks, IEEE Transactions on Parallel and Distributed Systems, 2013 [NS2]
63. A Framework for Secure and Efficient Data Acquisition in Vehicular Ad Hoc Networks, IEEE Transactions on Vehicular Technology, 2013
64. Performance analysis of Black Hole Attack on Vanet's Reactive Routing Protocols, International Journal of Computer Applications, July 2013 [NS2]
65. A Beacon-based Trust Management System for Enhancing User Centric Location Privacy in VANETs, IEEE Journal of Communications and Networks, April 2013 [Java/NS2]
66. Achieving Efficient Cooperative Message Authentication in Vehicular Ad Hoc Networks, IEEE Transactions on Vehicular Technology, 2013 [NS2]
67. Secure Cooperative Data Downloading in Vehicular Ad Hoc Networks, IEEE Transactions on Selected Areas in Communication, 2013 [NS2/JAVA]
68. A Secure Cooperative Approach for Non-Line-of-Sight Location Verification in VANET, IEEE Transactions on Vehicular Technology, 2012 [NS2].
69. An improved AODV routing protocol for VANETs in city scenarios, Advances in Engineering, Science and Management (ICAESM), 2012 International Conference on. IEEE, 2012 [NS2].
70. Video streaming Distribution in vanets, IEEE Transactions on Parallel and Distributed Systems, 2011 [JAVA]
71. A Dynamic Privacy-Preserving Key Management Scheme for Location Based Services in VANETs, IEEE Transactions on Intelligent Transportation Systems, July 2011. [NS2]

72. P2DAP – Sybil Attacks Detection in Vehicular Ad Hoc Networks, IEEE Journal on Selected Areas in communications, march 2011. [NS2]

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