

Publications

Journal Papers:

1. Ashutosh Kumar Singh, Saurabh Maurya and Shashank Srivastava, Varna-based Optimization: A Novel Method for Capacitated Controller Placement Problem in SDN, *Frontiers of Computer Science* Springer 141434022020
2. Naveen Kumar, Abdul Aleem, Ashutosh Kumar Singh, and Shashank Srivastava, NBP: Namespace-based Privacy to Counter Timing-based Attack in Named Data Journal of *Network and Computer Applications* Elsevier 144155-1702019
3. Naveen Kumar, Ashutosh Kumar Singh, Abdul Aleem, and Shashank Srivastava, Security Attacks in Named Data Networking: A Review and Research *Journal of Computer Science and Technology* Springer 341319-13502019
4. Ashutosh Kumar Singh, Saurabh Maurya, Naveen Kumar and Shashank Srivastava, Heuristic Approaches for the Reliable SDN Controller Placement *Transactions on Emerging Telecommunications Technologies* Wiley N/Ae37612019
5. Nitin Shukla and Mayank Pandey and Shashank Srivastava, Formal Modeling and Verification of Software-defined Networks: A *International Journal of Network Management* Wiley 29e20822019
6. Ashutosh Kumar Singh and Shashank Srivastava, A Survey and Classification of Controller Placement Problem in *International Journal of Network Management* Wiley 28e2018201
7. Sandeep Saxena, Goutam Sanyal, Shashank Srivastava, Ruhul Amin, Preventing from Cross-VM Side-Channel Attack Using New Replacement Method, *Wireless Personal Communications* Springer US 801-282017.
8. Neelam Dayal, Prasenjit Maity, Shashank Srivastava, Rahamatullah Khondoker, Research Trends in Security and DDoS in SDN *Security and Communication Networks* John Wiley & Sons, Ltd 96386-64112016.
9. Shashank Srivastava, GC Nandi, Self-Reliant Mobile Code: A New Direction of Agent Security, *Journal of Network and Computer Application* Elsevier 3762-752013

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1. Naveen Kumar, Ashutosh Kumar Singh, and Shashank Srivastava, Feature selection for interest flooding attack in named data networking, *International Journal of Computers and Applications* Taylor & Francis 01-102019.
2. Naveen Kumar, Ashutosh Kumar Singh, and Shashank Srivastava, A Triggered Delay-based Approach against Cache Privacy Attack in NDN, *International Journal of Networked and Distributed Computing* Taylor & Francis 6174-1842018.
3. Shashank Srivastava, GC Nandi, Fragmentation Based Encryption Approach for Self Protected Mobile Agent, *Journal of King Saud University-Computer and Information Sciences* Elsevier 26131-1422014.

Conference Proceedings

1. Naveen Kumar and Shashank Srivastava, A Triggered Delay-based Approach against Cache Privacy Attack in NDN, *17th International Conference on Computer and Information Science (ICIS)* Science (ICIS), 22-27, 2018.
2. Nitin Shukla, Anurag Bamal, Shashank Srivastava, and Mayank Pandey, Software Defined Underlay-aware Structured Peer-to-Peer Overlay, *19th International Conference on Distributed Computing and Networking*, 1-10, 2018.
3. Neelam Dayal, Shashank Srivastava, Leveraging SDN for Early Detection and Mitigation of DDoS Attacks, *International Conference on Communication Systems and Networks*, 52-75, 2018.

4. Neelam Dayal, Shashank Srivastava, An RBF-PSO based approach for early detection of DDoS attacks in SDN, 10th International Conference on Communication Systems & Networks (COMSNETS), 17-24, 2018.
5. Nivindar Kaur, Ashutosh Kumar Singh, Naveen Kumar and Shashank Srivastava, Performance Impact of Topology Poisoning Attack in SDN and its Counter measure, 10th International Conference On Security Of Information And Networks(SIN), 179-184, 2017.
6. Naveen Kumar, Ashutosh Kumar Singh and Shashank Srivastava, Evaluating Machine Learning Algorithms for Detection of Interest Flooding Attack in Named Data Networking, 10th International Conference On Security Of Information And Networks(SIN), 299-302, 2017.
7. Neelam Dayal, Shashank Srivastava, Analyzing behavior of DDoS attacks to identify DDoS detection features in SDN, IEEE International Conference on Communication Systems and Networks, 274-281, 2017.
8. Prashant Misra, Shashank Srivastava, Nishant Narang, Sonu Goel, Prasenjit Maity, Aditya Saxena, A hierarchical approach to adaptive distributed scheduling in cloud, International Conference Advances in Computing, Communications and Informatics (ICACCI), 1678-1687, 2015.
9. Shashank Srivastava, Divya Kumar, Shuchi Chandra, Trust analysis of execution platform for self protected mobile code, International Conference Advances in Computing, Communications and Informatics (ICACCI), 1904-1909, 2015.
10. Anjali Pandey, Shashank Srivastava, An approach for virtual machine image security, International Conference Signal Propagation and Computer Technology (ICSPCT), 616-623, 2014.
11. Sandeep Saxena, Goutam Sanyal, Shashank Srivastava, Mutual authentication protocol using identity-based shared secret key in cloud environments, Recent Advances and Innovations in Engineering (ICRAIE), 1-6, 2014.
12. Shashank Srivastava, Avinash Kumar Singh, GC Nandi, Inter cipher block diffusion: a novel transformation for proposed parallel AES, 2nd International Conference on Communication, Computing & Security, 872-879, 2012.
13. Shashank Srivastava, GC Nandi, Protection of mobile agent and its itinerary from malicious host, Computer and Communication Technology (ICCCT), 2nd International Conference, 405-411, 2011
14. Shashank Srivastava, GC Nandi, Detection of mobile agent's blocking in secure layered architecture, Communication Systems and Network Technologies (CSNT), International Conference, 43-48, 2011.
15. Shashank Srivastava, Abhinav Goyal, Rajeev Kumar, Nandi GC, Statistical Analysis of Network Traffic over LAN through IAMT, 5th International Conference on Information Processing, ICIP, 329-335, 2011.
16. Shashank Srivastava, GC Nandi, Enhancing the efficiency of secure network monitoring through mobile agents, Computer and Communication Technology (ICCCT), International Conference, 415-420,2010.