

List of Publications

References

- [1] Sandip Chakraborty and Subhrendu Chattopadhyay. “ES2: Managing Link Level Parameters for Elevating Data Rate and Stability in High Throughput WLAN”. In: *Eighth International Conference on COMMunication System & NETworks (COMSNET 2016)*. Vol. 8. Bangalore, IN, May 2016. DOI: 10.1109/COMSNETS.2016.7439977.
- [2] Sandip Chakraborty, Sukumar Nandi, and Subhrendu Chattopadhyay. “Alleviating hidden and exposed nodes in high-throughput wireless mesh networks”. In: *IEEE Transactions on Wireless communications* 15.2 (2016), pp. 928–937. DOI: 10.1109/TWC.2015.2480398.
- [3] Sandip Chakraborty, Sukumar Nandi, and Subhrendu Chattopadhyay. “Surpassing Flow Fairness in a Mesh Network: How to Ensure Equity among End Users?”. In: *Seventh IEEE International Conference on Advanced Networks and Telecommunication Systems (ANTS 2013)*. Vol. 7. Chennai, IN, 15-18 December 2013. DOI: 10.1109/ANTS.2013.6802836.
- [4] Sandip Chakraborty et al. “Defending Concealedness in IEEE 802.11n”. In: *Sixth IEEE International Conference on COMMunication System & NETworks (COMSNET 2014)*. Vol. 6. Bangalore, IN, July 2014, pp. 1–8. DOI: 10.1109/COMSNETS.2014.6734873.
- [5] Subhrendu Chattopadhyay, Sandip Chakraborty, and Sukumar Nandi. “Leveraging the Trade-off Between Spatial Reuse and Channel Contention in Wireless Mesh Networks”. In: *Eighth International Conference on COMMunication System & NETworks (COMSNET 2016)*. Vol. 8. Bangalore, IN, May 2016. DOI: 10.1109/COMSNETS.2016.7439963.
- [6] Subhrendu Chattopadhyay et al. “Aloe: An Elastic Auto-Scaled and Self-stabilized Orchestration Framework for IoT Applications”. In: *Thirty Eighth IEEE International Conference on Computer Communications (INFOCOM)*. Vol. 38. Paris, FR, 29 April - 2 May 2019. DOI: 10.1109/INFOCOM.2019.8737656.
- [7] Subhrendu Chattopadhyay et al. “Aloe: Fault-Tolerant Network Management and Orchestration Framework for IoT Applications”. In: *IEEE Transactions on Network and Service Management* 17.4 (2020), pp. 2396–2409. DOI: 10.1109/TNSM.2020.3008426.
- [8] Subhrendu Chattopadhyay et al. “Amalgam: Distributed Network Control With Scalable Service Chaining”. In: *Nineteenth IFIP Networking Conference (IFIP Networking)*. Vol. 19. Paris, FR, 22-25 June 2020, pp. 519–523.
- [9] Subhrendu Chattopadhyay et al. “Flipper: Fault-Tolerant Distributed Network Management and Control”. In: *Fifteenth IFIP/IEEE International Symposium on Integrated Network Management (IM)*. Vol. 15. Lisbon, PT, Aug. 2017. DOI: 10.23919/INM.2017.7987307.
- [10] Subhrendu Chattopadhyay et al. “Improving MPTCP Performance by Enabling Sub-Flow Selection over a SDN Supported Network”. In: *Fourteenth International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob)*. Vol. 14. Limmasol, CY, 15-17 October 2018. DOI: 10.1109/WiMOB.2018.8589143.
- [11] Subhrendu Chattopadhyay et al. *Poster: Primary Path Effect in Multi-Path TCP: How Serious Is It for Deployment Consideration?* Chennai, IN, Oct. 2017. DOI: 10.1145/3084041.3084076.
- [12] Neha Chowdhary et al. “BeeGuard: Explainability-based Policy Enforcement of eBPF Codes for Cloud-native Environments”. In: *Seventeenth International Conference on COMMunication Systems NETWORKS (COMSNETS)*. Vol. 17. Bangalore, IN, June 2025. DOI: 10.1109/COMSNETS63942.2025.10885589.
- [13] Tanmoy Dutta et al. “AutoPAC: Exploring LLMs for Automating Policy to Code Conversion in Business Organizations”. In: *Seventeenth International Conference on COMMunication Systems NETWORKS (COMSNETS)*. Vol. 17. Bangalore, IN, June 2025. DOI: 10.1109/COMSNETS63942.2025.10885751.
- [14] Sushanta Karmakar and Subhrendu Chattopadhyay. “A Trigger Counting Mechanism for Ring Topology”. In: *Thirty Seventh Australasian Computer Science Conference-Volume (ACSC 2014)*. Vol. 37. Auckland, NZ, Jan. 2014, pp. 81–87. DOI: 10.5555/2667473.2667483.
- [15] Shubha Brata Nath et al. “Containerized Deployment of Micro-services in Fog Devices: A Reinforcement Learning-based Approach”. In: *The Journal of Supercomputing (JSUP)*, Springer 78.5 (2022), pp. 6817–6845. DOI: <https://doi.org/10.1007/s11227-021-04135-2>.

- [16] Shubha Brata Nath et al. “PTC: Pick-Test-Choose to Place Containerized Micro-Services in IoT”. In: *2019 IEEE Global Communications Conference (GLOBECOM)*. Waikoloa, US, Sept. 2019, pp. 1–6. DOI: 10.1109/GLOBECOM38437.2019.9013163.
- [17] Utkalika Satapathy et al. “DisProTrack: Distributed Provenance Tracking over Serverless Applications”. In: *Forty First IEEE International Conference on Computer Communications (INFOCOM)*. Vol. 41. NewYork, US, Apr. 2023. DOI: 10.1109/INFOCOM53939.2023.10228884.
- [18] Utkalika Satapathy et al. “XPLOG: A Dynamic Observability Framework for Distributed Sandboxed Microservices”. In: *IEEE Transactions on Services Computing (-)*. Pre-print. DOI: 10.1109/TSC.2025.3612900.
- [19] Niladri Sett et al. “A time aware method for predicting dull nodes and links in evolving networks for data cleaning”. In: *Fourteenth IEEE/WIC/ACM International Conference on Web Intelligence (WI)*. Vol. 14. Omaha, US, 13-16 October 2016, pp. 304–310. DOI: 10.1109/WI.2016.0050.
- [20] Pranav Kumar Singh et al. “Fast and Secure Handoffs for V2I communication in Smart City Wi-Fi Deployment”. In: *Fourteenth International Conference on Distributed Computing and Internet Technology (ICDCIT)*. Vol. 14. Bhubaneswar, IN, 13-16 January 2017. DOI: 10.1007/978-3-319-72344-0_15.
- [21] Arpit Tripathi et al. “MADE: An MEC Supported Platform Independent and Version Agnostic Framework for Mobile Application Deployment”. In: *Sixteenth IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS)*. Vol. 16. Guwahati, IN, Apr. 2024. DOI: 10.1109/ANTS63515.2024.10898186.