

List of Publications

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- [1] Utkalika Satapathy, Rishabh Thakur, Subhrendu Chattopadhyay, and Sandip Chakraborty. Disprotrack: Distributed provenance tracking over serverless applications. In *Forty First IEEE International Conference on Computer Communications (INFOCOM)*, volume 41, New York, US, 4-6 May 2023.
- [2] Shubha Brata Nath, Subhrendu Chattopadhyay, Raja Karmakar, Sourav Kanti Addya, Sandip Chakraborty, and Soumya K. Ghosh. Containerized deployment of micro-services in fog devices: A reinforcement learning-based approach. *The Journal of Supercomputing (JSUP)*, Springer, 78(5):6817–6845, 2022.
- [3] Subhrendu Chattopadhyay, Soumyajit Chatterjee, Sukumar Nandi, and Sandip Chakraborty. Aloe: Fault-tolerant network management and orchestration framework for IoT applications. *IEEE Transactions on Network and Service Management*, 17(4):2396–2409, 2020.
- [4] Subhrendu Chattopadhyay, Sukumar Nandi, Sandip Chakraborty, and Abhimandan Prasad. Amalgam: Distributed network control with scalable service chaining. In *Nineteenth IFIP Networking Conference (IFIP Networking)*, volume 19, pages 519–523, Paris, FR, 22-25 June 2020.
- [5] Subhrendu Chattopadhyay, Soumyajit Chatterjee, Sukumar Nandi, and Sandip Chakraborty. Aloe: An elastic auto-scaled and self-stabilized orchestration framework for IoT applications. In *Thirty Eighth IEEE International Conference on Computer Communications (INFOCOM)*, volume 38, Paris, FR, 29 April - 2 May 2019.
- [6] Shubha Brata Nath, Subhrendu Chattopadhyay, Raja Karmakar, Sourav Kanti Addya, Sandip Chakraborty, and Soumya K. Ghosh. PTC: Pick-test-choose to place containerized micro-services in IoT. In *2019 IEEE Global Communications Conference (GLOBECOM)*, pages 1–6, Waikoloa, US, 9-13 December 2019.
- [7] Subhrendu Chattopadhyay, Samar Shailendra, Sukumar Nandi, and Sandip Chakraborty. 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)*, volume 14, Limmasol, CY, 15-17 October 2018.
- [8] Subhrendu Chattopadhyay, Sukumar Nandi, Samar Shailendra, and Sandip Chakraborty. Poster: Primary path effect in multi-path TCP: How serious is it for deployment consideration?, 10-14 July 2017.
- [9] Subhrendu Chattopadhyay, Niladri Sett, Sukumar Nandi, and Sandip Chakraborty. Flipper: Fault-tolerant distributed network management and control. In *Fifteenth IFIP/IEEE International Symposium on Integrated Network Management (IM)*, volume 15, Lisbon, PT, 8-12 May 2017.
- [10] Pranav Kumar Singh, Subhrendu Chattopadhyay, Pradeepkumar Gajendra Bhale, and Sukumar Nandi. Fast and secure handoffs for v2i communication in smart city wi-fi deployment. In *Fourteenth International Conference on Distributed Computing and Internet Technology (ICDCIT)*, volume 14, Bhubaneswar, IN, 13-16 January 2017.
- [11] 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)*, volume 8, Bangalore, IN, 5-9 January 2016.
- [12] Sandip Chakraborty, Sukumar Nandi, and Subhrendu Chattopadhyay. Alleviating hidden and exposed nodes in high-throughput wireless mesh networks. *IEEE Transactions on Wireless communications*, 15(2):928–937, 2016.
- [13] 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)*, volume 8, Bangalore, IN, 5-9 January 2016.

- [14] Niladri Sett, Subhrendu Chattopadhyay, Sanasam Ranbir Singh, and Sukumar Nandi. 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)*, volume 14, pages 304–310, Omaha, US, 13-16 October 2016.
- [15] Sushanta Karmakar and Subhrendu Chattopadhyay. A trigger counting mechanism for ring topology. In *Thirty Seventh Australasian Computer Science Conference-Volume (ACSC 2014)*, volume 37, pages 81–87, Auckland, NZ, jan 2014.
- [16] Sandip Chakraborty, Subhrendu Chattopadhyay, Suchetana Chakraborty, and Sukumar Nandi. Defending concealedness in IEEE 802.11n. In *Sixth IEEE International Conference on COMmunication System & NETworks (COMSNET 2014)*, volume 6, pages 1–8, Bangalore, IN, 7-10 January 2014.
- [17] 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)*, volume 7, Chennai, IN, 15-18 December 2013.