**Papers Published in Journals:**

| **#** | **Authors; Title; Journal; Vol; No; Pages; Year of Publication** | **Indexed By** | **DOI** |
| --- | --- | --- | --- |
| 1 | Subhrendu Chattopadhyay, Soumyajit Chatterjee, Sukumar Nandi, 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. | SCI | 10.1109/TNSM.2020.3008426 |
| 2 | Sandip Chakraborty, Sukumar Nandi, Subhrendu Chattopadhyay; Alleviating hidden and exposed nodes in high-throughput wireless mesh networks; IEEE Transactions on Wireless communications; 15; 2; 928–937; 2016. | SCI | 10.1109/TWC.2015.2480398 |
| 3. | 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, Springer US; 78; 5: 6817–6845; 2022.  https://doi.org/10.1007/s11227-021-04135-2 |  |  |

**Papers Published in Conferences:**

| **#** | **Authors; Title; Vol; No; Pages** | **Role** | **DOI** | **Conference type** | **Indexed By** |
| --- | --- | --- | --- | --- | --- |
| 1 | Subhrendu Chattopadhyay, Soumyajit Chatterjee, Sukumar Nandi, Sandip Chakraborty; Aloe: An elastic auto-scaled and self-stabilized orchestration framework for IoT applications; In 38th IEEE International Conference on Computer Communications (INFOCOM); 38; 802-810; 2019. | First Author | 10.1109/INFOCOM.2019.8737656 | Int. | SCI |
| 2 | Subhrendu Chattopadhyay, Sukumar Nandi, Sandip Chakraborty, Abhinandan Prasad; Amalgam: Distributed network control with scalable service chaining; In 19th IFIP Networking Conference (IFIP Networking); 19; 519-523; 2020 | First Author | NA | Int. | Scopus |
| 3 | Shubha Brata Nath, Subhrendu Chattopadhyay, Raja Karmakar, Sourav Kanti Addya, Sandip Chakraborty, Soumya K. Ghosh; PTC: Pick-test-choose to place containerized micro-services in IoT. In 2019 IEEE Global Communications Conference (GLOBECOM); 1–6; 2019. | Co-author | 10.1109/GLOBECOM38437.2019.9013163 | Int. | SCI |
| 4 | Subhrendu Chattopadhyay, Sukumar Nandi, Samar Shailendra, Sandip Chakraborty; Poster: Primary path effect in multi-path TCP: How serious is it for deployment consideration?; In 18th ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc); 18; 36; 2017. | First Author | 10.1145/3084041.3084076 | Int. | Scopus |
| 5 | Subhrendu Chattopadhyay, Samar Shailendra, Sukumar Nandi, Sandip Chakraborty; Improving MPTCP performance by enabling sub-flow selection over a SDN supported network; In 14th International Conference on Wireless and Mobile Computing; Networking and Communications (WiMob); 14; 1-8; 2018. | First Author | 10.1109/WiMOB.2018.8589143 | Int. | SCI |
| 6 | Subhrendu Chattopadhyay, Niladri Sett, Sukumar Nandi, Sandip Chakraborty; Flipper: Fault-tolerant distributed network management and control; In 15th IFIP/IEEE International Symposium on Integrated Network Management (IM); 15; 421-427; 2017. | First Author | 10.23919/INM.2017.7987307 | Int. | Scopus |
| 7 | Niladri Sett, Subhrendu Chattopadhyay, Sanasam Ranbir Singh, Sukumar Nandi; A time aware method for predicting dull nodes and links in evolving networks for data cleaning; In 14th IEEE/WIC/ACM International Conference on Web Intelligence (WI); 14; 304–310; 2016. | Co-author | 10.1109/WI.2016.0050 | Int. | SCI |
| 8 | Pranav Kumar Singh, Subhrendu Chattopadhyay, Pradeep kumar Gajendra Bhale, Sukumar Nandi; Fast and secure handoffs for V2I communication in smart city wi-fi deployment; In 14th International Conference on Distributed Computing and Internet Technology (ICDCIT); ;189-204; 2017. | Co-author | 10.1007/978-3-319-72344-0\_15 | Int. | Scopus |
| 9 | Sandip Chakraborty, Subhrendu Chattopadhyay; ES2: Managing link level parameters for elevating data rate and stability in high throughput WLAN; In 8th International Conference on COMmunication System & NETworks (COMSNETS); 8; 1-8 2016. | Co-author | 10.1109/COMSNETS.2016.7439977 | Int. | SCI |
| 10 | Subhrendu Chattopadhyay, Sandip Chakraborty, Sukumar Nandi; Leveraging the trade-off between spatial reuse and channel contention in wireless mesh networks; In 8th International Conference on COMmunication System & NETworks (COMSNETS); 8; 1-8; 2016. | First Author | 10.1109/COMSNETS.2016.7439963 | Int. | SCI |
| 11 | Sandip Chakraborty, Subhrendu Chattopadhyay, Suchetana Chakraborty, Sukumar Nandi; Defending concealedness in IEEE 802.11n; In 6th IEEE International Conference on COMmunication System & NETworks (COMSNETS); 6; 1–8; 2014. | Co-author | 10.1109/COMSNETS.2014.6734873 | Int. | SCI |
| 12 | Sushanta Karmakar, Subhrendu Chattopadhyay; A trigger counting mechanism for ring topology; In 37th Australasian Computer Science Conference (ACSC); 37; pages 81–87; 2014. | Co-author | NA | Int. | Scopus |
| 13 | Sandip Chakraborty, Sukumar Nandi, Subhrendu Chattopadhyay; Surpassing flow fairness in a mesh network: How to ensure equity among end users?; In 7th IEEE International Conference on Advanced Networks and Telecommunication Systems (ANTS); 7; 1-6; 2013. | Co-author | 10.1109/ANTS.2013.6802836 | Int. | Scopus |