

# Complete Publication List

## Journal Articles

1. **Kakati, S.** & Brorsson, M. (Under Review). Accelerating the Edge: Wasm Containers and the Future of Portable Compute. *Springer Nature Computer Science Journal*.

## Conference Proceedings

1. **Kakati, S.** & Brorsson, M. (2025, April). Performance and Usability Implications of Multiplatform and WebAssembly Containers. In *Proceedings of the 15th International Conference on Cloud Computing and Services Science* (pp. 15-25). DOI: 10.5220/0013203200003950. **(Best Paper Award)**
2. **Kakati, S.** & Brorsson, M. (2024, May). A Cross-Architecture Evaluation of WebAssembly in the Cloud-Edge Continuum. In *2024 IEEE 24th International Symposium on Cluster, Cloud and Internet Computing (CCGrid)* (pp. 337-346). IEEE.
3. **Kakati, S.** & Brorsson, M. (2024, September). An Investigative Study of WebAssembly Performance in Cloud-to-Edge. In *2024 International Symposium on Parallel Computing and Distributed Systems (PCDS)* (pp. 1-5). IEEE.
4. **Kakati, S.** & Brorsson, M. (2023, June). WebAssembly Beyond the Web: A Review for the Edge-Cloud Continuum. In *2023 3rd International Conference on Intelligent Technologies (CONIT)* (pp. 1-8). IEEE.
5. **Kakati, S.**, Alam, M., Matam, R., Barbhuiya, F. A., & Mukherjee, M. (2022, December). Mobility-aware Task Offloading in Fog-Assisted Networks. In *GLOBECOM 2022-2022 IEEE Global Communications Conference* (pp. 2897-2902). IEEE.
6. **Kakati, S.**, Ray, K., & Deka, R. (2022, June). Cloud and Fog Computing based Industrial IoT Production Management. In *2022 2nd International Conference on Intelligent Technologies (CONIT)* (pp. 1-5). IEEE.
7. **Kakati, S.** & Deka, R. (2022, June). Computational and Adaptive Offloading in Edge/Fog based IoT environments. In *2022 2nd International Conference on Intelligent Technologies (CONIT)* (pp. 1-6). IEEE.

## Book Chapters

1. **Kakati, S.**, Chouhan, D., Nag, A., & Panja, S. (2022). Survey on Recent Malware Detection Techniques for IoT. In *Pattern Recognition and Data Analysis with Applications* (pp. 647-659). Springer, Singapore.
2. **Kakati, S.**, Mazumdar, N., & Nag, A. (2022). Green Cloud Computing for IoT Based Smart Applications. In *Green Mobile Cloud Computing* (pp. 201-212). Springer, Cham.