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RESEARCH INTERESTS

Sensor networks, Fog computing, 5G Network, Internet of things, Disaster management, Intelligent agent systems, e-Learning and Learning Experience, Ubiquitous computing, Smart Grid

RECENT PUBLICATIONS:

A.M.S. Abdul Rahim, M.S. Omar, T.W. Au, I. M. Mashud, 2022. "A SMAC-based Programming Learning Tool: Validating a Novel System Architecture ", International Journal of Emerging Technologies in Learning (IJET). (Accepted)

Dk Nur Siti Khadhijah Pg Hj Ali Kumar, S. H. Shah Newaz, Fatin Hamadah Rahman, Gyu Myoung Lee, Gour Karmakar, Thien-Wan Au, 2022. "Green Demand Aware Fog Computing: A Prediction-based Dynamic Resource Provisioning Approach", Electronics. Vol 11(4), 608.

Rahman, F. H., Newaz, S. H. S., Au, T. W., Suhaili, W. S., M A Parvez Mahmud & Lee, G. M., 2022. "EnTruVe: Energy and Trust-aware VM Allocation in Vehicle Fog Computing for Catering Applications in 5G", Future Generation Computer Systems , Vol 126, pp 196-210.

Rahman, F. H., Au, T. W., Newaz, S. H. S., Suhaili, W. S., & Lee, G. M. 2020. "Off-Street Vehicular Fog for Catering applications in 5G/B5G: A Trust-based Task Scheduling Solution and Open Research Issues", IEEE Access, 28 June, Vol 8, pp 117218-117235.

Awangku Yura Muhammad Iqbal, S. H. Shah Newaz, Fatin Hamadah Rahman · Au Thien Wan, Gyu Myoung Lee and Tai-Won Um, 2020. "Evaluating TCP Performance of Routing Protocols for Traffic Exchange in Street-parked Vehicles based Fog Computing Infrastructure", Journal of Cloud Computing Springer, ISSN 2192-113X, 28 February, (2020) 9:18

CURRENT RESEARCH WORKS AND GRANTS

See <https://sites.google.com/site/deptofcnsutb/research/research-in-brief>

- Quality of Service Aware Green Heterogeneous Fog Computing. September 2021 to August 2022
- Digital Scroll for Digital Certificate using Block Chain Technology. April 2022 to August 2023
- Mutual Trust based Task Allocation in Fog Computing to Support Trustworthy in Computing and 5G. April 2022 to August 2023