

FULL PUBLICATION LIST

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GENERAL ARTICLES

- A4. **A. Mukherjee**, S. Goswami, "Visualizing Graphs using PAJEK", PC Quest, Enterprise Solutions, Nov. 2010.
- A3. **A. Mukherjee**, "Creating VB Macros in MS Word", PC Quest, Developer, Dec. 2010.
- A2. **A. Mukherjee**, "Folder Manipulator in VB 6.0", Electronics for You, ISSN No. : 0013- 516x, Sep. 2011.
- A1. N.Pathak, **A. Mukherjee**, "NANOENGINEER- A Virtual Nanotechnology Lab", PC Quest, Hands On, Apr. 2013

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- B2. S. Misra, **A. Mukherjee**, A. Roy, "Introduction to Industrial Internet of Things and Industry 4.0", CRC Press, USA (Forthcoming)
- B1. S. Misra, **A. Mukherjee**, A. Roy, "Introduction to IoT", Cambridge University Press, UK (In Press)

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- J18. N. Pathak, **A. Mukherjee**, S. Misra, "AerialBlocks: Blockchain-Enabled UAV Virtualization for Industrial IoT", IEEE Internet of Things Magazine, Special Issue on Blockchain-Enabled IIoT, **Accepted- Mar 2020**.
- J17. N. Pathak, S. Misra, **A. Mukherjee**, A. Roy, A. Zomaya "UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service", Transactions on Vehicular Technology, IEEE **Accepted- Mar 2020**. (IF=5.339)
- J16. **A. Mukherjee**, S. Misra, V.S.P.Chandra, N. S. Raghuwanshi, "ECOR: Energy-Aware Collaborative Routing for Task Offload in Sustainable UAV Swarms", Transactions on Sustainable Computing, IEEE (Early access), Feb. 2020. (IF=2.456) [Link](#)
- J15. D. Bhattacharya, S. Misra, N. Pathak, **A. Mukherjee**, "IDeA: IoT-Based Autonomous Aerial Demarcation and Path-planning for Precision Agriculture", Transactions on IoT, ACM (selected for publication), Jan. 2020.
- J14. S. Misra, **A. Mukherjee**, "Phantom Networks: The Intangible Shoot-and-Scoot Communication Paradigm For Future Militaries", *IEEE Communications Magazine*, Feb. 2020. (IF=10.356) [Link](#)
- J13. **A. Mukherjee**, S. Misra, A. Sukrutha, N. S. Raghuwanshi "Distributed Aerial Processing for IoT-Based Edge UAV Swarms in Smart Farming", Computer Networks (SI), Elsevier, Published- Nov. 2019, DOI: <https://doi.org/10.1016/j.comnet.2019.107038>. (IF=3.03) [Link](#)
- J12. **A. Mukherjee**, S. Misra, N. S. Raghuwanshi, "A Survey of Unmanned Aerial Sensing Solutions in Precision Agriculture", JNCA, Elsevier, pp.102461, Oct 2019 DOI: 10.1016/j.jnca.2019.102461 (IF=5.273) [Link](#)
- J11. **A. Mukherjee**, S. Misra, A. Atrish, "MiND: Mind Networked Device Architecture for Attention-Gated Ambient Assisted Living Systems", *IEEE Systems Journal*, Accepted- Mar 2019. (IF=4.463) [Link](#)

- J10. **A. Mukherjee**, S. Misra, V. S. P. Chandra, M. Obaidat, "Resource-Optimized Multi-Armed Bandit Based Offload Path Selection in Edge UAV Swarms", *IEEE IoT Journal (Special Issue on Advanced Computational Technologies in Mobile Edge Computing for Internet of Things)*, Nov. 2018. (IF=9.515) [Link](#)
- J9. **A. Mukherjee**, S. Misra, N. S. Raghuwanshi, S. Mitra, "Blind Entity Identification for Agricultural IoT Deployments", *IEEE IoT Journal*, vol.6, no. 2, pp. 3156–3163, Accepted-Oct 2018. (IF=9.515) [Link](#)
- J8. S. Misra, **A. Mukherjee**, A. Roy, "Knowledge Discovery for Enabling Smart Internet-of-Things: A Survey", *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, 8.6 (2018): e1276. (IF=2.541) [Link](#)
- J7. S. Misra, S. Goswami, C. Taneja, **A. Mukherjee**, Mohammad Obaidat, "A PKI Adapted Model for Secure Information Dissemination in Industrial Control and Automation 6LoWPANs", *IEEE ACCESS*, vol.3, no., pp.875,889, 2015, DOI: 10.1109/ACCESS.2015.2445817. (IF=4.095) [Link](#)
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- J3. A. Roy, **A. Mukherjee**, "An Analysis of the Viability of using Katz Algorithm in differentiating Normal Heart Sounds from Cardiac Murmurs." *American Journal of Electronics & Communication*, Vol. 1, No.2, pp. 32-36, 2014.
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- C13. N. Pathak, **A. Mukherjee**, S. Misra, "Reconfigurable Wearables for an Interoperable Healthcare IoT Framework", *IEEE INFOCOM 2020 (selected for oral presentation)*, Jul 2020, Toronto, Canada.
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- C8. **A. Mukherjee**, N. Pathak, S. Misra, S. Mitra, "Predictive Intra-Edge Packet-Source Mapping in Agricultural Internet of Things", IEEE Workshop on Communication, Computing, and Networking in Cyber Physical Systems, IEEE Globecom 2018, Abu Dhabi, Dec. 2018. [Link](#)
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- Jx5. S. Misra, S. K. Rachuri, P. K. Deb, **A. Mukherjee**, "Multi-Armed Bandit-based Decentralized Computation Offloading in Fog-Enabled IoV", IEEE Transactions on Vehicular Technology, **Submitted- Feb 2020**. (IF=5.339)
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