

## Journal **PUBLICATIONS** (after 2017)

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1. S.Chakraborty, **K.Mazumdar** and D.De, “CBLM: Cluster-Based Location Management for **5G** Small Cell Network Under Stochastic Environment”, Journal of Circuits, Systems and Computers, World Scientific Publishing Company, (**SCI** Impact Factor 1.278, Thomson Reuters Journal Citation Reports 2020).
2. S.Chakraborty and **K.Mazumdar**, “**Sustainable task offloading decision using genetic algorithm in sensor mobile edge computing**”, Journal of King Saud University – Computer and Information Sciences, Elsevier, Accepted on 13.02.2022, (**Q1**, **SCI**, Thomson Reuters Journal Citation Reports 2020).
3. **K.Mazumdar**, S.Saha, Sk.R.Ali and V.P.Singh, “Modelling of InAs nanowire and MOSFET under phonon emission and absorption by using NEGF formalism”, Superlattices and Microstructures, Elsevier, Accepted on 16.11.2020, (**Q2**, **SCI** Impact Factor 2.658, Thomson Reuters Journal Citation Reports 2020).
4. S S.Chakraborty, **K.Mazumdar** D.De and S.Kumar, “RMS: A Delay Sensitive Road Monitoring System using Edge Intelligence”, Revision (completed in) IEEE Journal (**Q2**, **SCI**).
5. S.Chakraborty, D.De and **K.Mazumdar**, “DOME: Dew Computing based Microservice Execution in Mobile Edge using Reinforcement Learning”, accepted on 13/08/2022 in **Applied Intelligence**, Springer. (**Q2**, **SCI** Impact Factor **5.019**, Thomson Reuters Journal Citation Reports 2021). <https://doi.org/10.1007/s10489-022-04087-x>
6. S.Chakraborty, **K.Mazumdar** and J.Dutta, “A Hybrid GRASP-GA based Collaborative Task Offloading Technique in Fog Computing”, Revision completed, Springer. (**Q3**, Science Citation Index Expanded).
7. **K.Mazumdar**, R.Shankar, and A.Ghosal, “**Nanocrack Formation Due to Inverse Piezoelectric Effect in AlGaIn/GaN HEMT**”, Superlattices and Microstructures, Elsevier, Accepted on 23.04.2018, (**Q2**, **SCI** Impact Factor 2.658, Thomson Reuters Journal Citation Reports 2020).
8. **K.Mazumdar**, R.Shankar, and A.Ghosal, “**Design and investigation of InAlN/Al<sub>14</sub>N<sub>15</sub>N superlattice MOSFET**”, Superlattices and Microstructures, Elsevier, Accepted on 14.04.2017, (**Q2**, **SCI** Impact Factor 2.658, Thomson Reuters Journal Citation Reports 2020).