

Dr. Muthaiah R Publications Details:

1. D. L. K., **M. Rajappa**, K. Krithivasan, and D. S. Roy, “Helly hypergraph based matching framework using deterministic sampling techniques for spatially improved point feature based image matching,” *Multimedia Tools and Applications*, vol. 78, no. 11, pp. 14657–14681, 2019.
2. S. M. Ramu, **M. Rajappa**, K. Krithivasan, and M. R. Nalluri, “A novel fast medical image segmentation scheme for anatomical scans,” *Multimedia Tools and Applications*, vol. 78, no. 15, pp. 21391–21422, 2019.
3. S. Asaithambi, **M. Rajappa**, and L. Ravi, “Optimization and control of CMOS analog integrated circuits for cyber-physical systems using hybrid grey wolf optimization algorithm,” *Journal of Intelligent & Fuzzy Systems*, 2019.
4. Lakshmi, K.D., **Muthaiah, R.**, Kannan, K., Tapas, A.M.: Evaluation of local feature detectors for the comparison of thermal and visual low altitude aerial images. *Defence Sci. J.* 68(5) (2018)
5. D. L. K., **M. Rajappa**, K. Krithivasan, and D. S. Roy, “Helly hypergraph based matching framework using deterministic sampling techniques for spatially improved point feature based image matching,” *Multimedia Tools and Applications*, Nov. 2018.
6. Kavitha, T., **Muthaiah, R.** “A light weight FFT based enciphering system for extending the lifetime of mobile ad-hoc networks” (2018) *Cluster Computing*, pp. 1-11. Article in Press.
7. S. Asaithambi and **M. Rajappa**, “Swarm intelligence-based approach for optimal design of CMOS differential amplifier and comparator circuit using a hybrid salp swarm algorithm,” *Review of Scientific Instruments*, vol. 89, no. 5, p. 54702, May 2018.
8. Rajamani, R., **Rajappa, M.**, Madanmohan, B. “Sweep frequency response analysis based diagnosis of shorts within transformer windings” (2017) *IET Generation, Transmission and Distribution*, 11 (17), pp. 4274-4281.
9. Rajamani, R., **Rajappa, M.**, Arunachalam, K., Madanmohan, B. “Interturn short diagnosis in small transformers through impulse injection: On-line on-load self-impedance transfer function approach” (2017) *IET Science, Measurement and Technology*, 11 (8), pp. 961-966.
10. Chakrapani, K., **Muthaiah, R.** Test data compression using Lingering Component Reduction technique for system-on-a-chip applications (2017) *Computers and Electrical Engineering*. . Article in Press.

11. Deebak, B.D., **Muthaiah, R.**, Thenmozhi, K., Swaminathan, P.I. “Analyzing three-party authentication and key agreement protocol for real time IP multimedia server–client systems” (2016) *Multimedia Tools and Applications*, 75 (10), pp. 5795-5817.
12. Deebak, B.D., **Muthaiah, R.**, Thenmozhi, K., Swaminathan, P.I. “Analyzing secure key authentication and key agreement protocol for promising features of IP multimedia subsystem using IP multimedia server-client systems (2016) *Multimedia Tools and Applications*”, 75 (4), pp. 2111-2143.
13. Muralidharan, D., **Muthaiah, R.** “Bus Based Synchronization Method for CHIPPER Based NoC” (2016) *Scientific Programming*, 2016, art. no. 1907521.