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Area of Interest: Wireless sensor networks, Body area networks, Non-linear machine learning, Security of WSN

Journal Papers

1. **Kavitha M.G.**, Sendhilnathan S. (2015), "Iterative Trilateration for Location Discovery in Wireless Sensor Networks", International Journal of Applied Engineering Research (IJAER), Vol. 10, No. 34, pp. 27384-27389
2. **Kavitha M.G.**, Sendhilnathan S. (2016), "Localization techniques for wireless sensor networks", (2016), Global Journal of Pure and Applied Mathematics (GJPAM), Vol, 12, No. 4, pp. 127-130
3. **Kavitha M.G.**, Sendhilnathan S. (2016), "An Optimized Cluster Based Localization in Wireless Sensor Networks", Asian Journal of Information Technology, Vol. 15, No. 20, pp. 3995-4001
4. **Kavitha M.G.**, Sendhilnathan S. (2017), "Decision Tree Based Localization in Wireless Sensor Networks", Journal of Advances in Chemistry, Vol. 12, No. 22, pp. 5403-5407
5. **Kavitha M.G.**, Sendhilnathan S. (2017), "An Optimized Localization Technique Using Trilateration Method", International Journal of Printing Packaging and Allied Sciences (IJPAS), Vol. 5, No. 1, pp. 377-384
6. **Kavitha M.G.**, Sendhilnathan S. (2017), "Body Area Network with Mobile Anchor based Localization", Cluster Computing, Springer, <https://doi.org/10.1007/s10586-017-1175-y>
7. **Kavitha M.G.**, Sendhilnathan S. (2017), "Ontology Based Agriculture Localization in Wireless Sensor Networks", Journal of Advances in Chemistry, Vol 12, No.26, pp. 5770-5774
8. **Kavitha M.G.**, Sendhilnathan S. (2017), "Hidden and Exposed Nodes in Wireless Sensor Networks", Advances in Natural and Applied Sciences, Vol 11, No.8, pp. 402-407
9. Ashokkumar S, Suresh A, **Kavitha M.G.** (2017), "Implication of video summarization and editing of video based on human faces and objects using SURF (speeded up robust future)", Cluster Computing, Springer, <https://doi.org/10.1007/s10586-018-1729-7>
10. Senthilkumar D., Reshmy A.K., **Kavitha M.G.** (2018), "Non-Linear Machine Learning Techniques for Multi-Label Image Data Classification", Applied Mathematics & Information Sciences, Vol 12, No.5, pp. 1-7
11. Krishnaraj N., **Kavitha M.G.**, Jayasankar T., Vinoth Kumar K. (2019), "A Glove Based Approach To Recognize Indian Sign Languages", International Journal of Recent

Conference Papers

1. Kavitha M.G. and Thenmozhi D. (2007), "Personalized Web Search Using Ant Colony Algorithm", National Conference on Information & Communication Technology (NCICT 2007), pp.31-36.
2. Kavitha M.G., Srinisharajeswari M. and Sumathy R. (2009), "Efficient Query Processing for Aggregation Queries", International Conference on Knowledge Networking in ICT Era (KNICT 09), pp.403-406.
3. Kavitha M.G., Kumaravel T. (2009), "Optimized Web Search using ID3 Algorithm", National Conference on Advanced Computing Concepts, pp.39-44.
4. Kavitha M.G., Sendhilnathan S. (2016), "Localization techniques for wireless sensor networks", National Conference on Advances in Mathematics and its Applications to Science and Engineering (AMASE-2016), PP.127-130.
5. Kavitha M.G., S. SendhilNathan, (2015), "Wireless Sensor Network: Security Issues and Challenges", National Conference on Recent Trends in Electrical Engineering, pp. 75-78