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List of Publications by Dr. A.S. Muthanantha Murugavel

International Journals:

1. S.Ramakrishnan and A.S.Muthanantha Murugavel, “Epileptic seizure detection using fuzzy-rules-based sub-band specific features and layered multi-class SVM”, Pattern Analysis and Applications, **Springer**, ISSN: 1433-7541, Vol.22, No.3, pp.1161-1176, Aug 2019. (Impact Factor: 1.410).
2. Mohammad J. Arif, Ramakrishnan S, Ibrahiem M. M. El Emary, Hassan A. Alsuraihi, Muthanantha Murugavel A S, Oct 2017. “Classification of Epileptic EEG Signals using Wavelet-EMD-Domain Features and Improved Multi-class SVM”, Journal of Engineering Technology (ISSN 0747-9964) Volume 6, Special Issue on Technology Innovations and Applications, pp. 423-440.
3. A. S. Muthanantha Murugavel, S. Ramakrishnan, “Hierarchical multi-class SVM with ELM kernel for epileptic EEG signal classification”, Medical & Biological Engineering & Computing, **Springer**, DOI: 10.1007/s11517-015-1351-2, ISSN: 0140-0118, Vol. 54, No. 1, pp. 149-161, Jan 2016.
4. A.S. Muthanantha Murugavel, S. Ramakrishnan, “An Optimized Extreme Learning Machine for Epileptic Seizure Detection”, IAENG International Journal of Computer Science, ISSN: 1819-9224, Vol. 41, No. 4, pp. 212-221, Nov 2014.
5. A.S. Muthanantha Murugavel, S. Ramakrishnan, M. Dhamodharaan, K. Deepak Manavalan “Multimodal System To Predict Epileptic Seizures Using Machine Learning Technique”, International Journal of Soft Computing and Artificial Intelligence, ISSN: 2321-404X, Vol.2, No. 1, pp. 67 - 72, May 2014.
6. A.S. Muthanantha Murugavel, S. Ramakrishnan,”An Improved Detection of Epilepsy EEG Using Multi-Wavelet Transform and Modified Effective Extreme Learning Machine”, Asian Journal of Information Technology, ISSN: 1682-3915, Vol.13, No. 10, pp. 639-645, Oct 2014.
7. A.S. Muthanantha Murugavel, S. Ramakrishnan, ‘‘Tree Based Wavelet Transform and DAG SVM for Seizure Detection”, Signal & Image Processing: An International Journal (SIPIJ), ISSN: 2229-3922, Vol.3, No.1, pp. 115 - 125, Feb 2012.

8. A.S. Muthanantha Murugavel, S. Ramakrishnan, "Multi-Class SVM for EEG Signal Classification Using Wavelet Based Approximate Entropy", Proceedings of Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (LNICST), Springer, ISSN: 1867-8211, ISBN: 978-3-642-27308-7, pp. 335-344, Jan 2012.

Book Chapter:

1. A. S. Muthanantha Murugavel, S. Ramakrishnan, “Review of Feature Extraction and Classification Techniques for epileptic seizure detection”, Image Recognition: Progress, Trends and Challenges, (ISBN 978-1-53617-258-4), Nova Science publishers, USA, December 2019.