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Publications

Publications

1. **P. Phani Kumar**, K.S.N Vardhan and Dr. K. Sri Rama Krishna “Performance Evaluation of MLP for Speech Recognition in Noisy Environment using MFCC and Wavelets”, International Journal of Computer Science and Communication, Vol.1, No.2, pp. 321-325, July- Dec. 2010.
2. N. Suresh Kumar, **P. Phani Kumar**, M. Kantikiran and Dr K.Sri Rama Krishna “Improved Impulse Noise Detector for Adaptive Switching Median Filter”, International Journal of Electronics and Communication Technology, ISSN:2230-9543, Vol. 02, Issue No. 2, June 2011.
3. Subhavya.Devineni and **P Phani Kumar**, “Whispered Speech Identification in Low-Performance Non-Unvoiced Consonants in Vehicles Using LFCC Feature Extraction Algorithm”, International Journal of Electronics and Computer Science Engineering, ISSN:2277-1956
4. P.Vijaya Santhi, **P.Phani Kumar** “Whispered Speech Identification Using LFCC Feature Extraction Algorithm” National Conference on Image Processing & Applications (NCIP2012), December 10, 2012, VVIT, Nambur
5. **P Phani Kumar**, Dr K Sri Rama Krishna, : Improved Emotion Recognition using GMM-UBMs”, SPACES – 2015, **IEEE** International Conference on Signal Processing And Communication Engineering Systems, organised by Department Of Electronics And Communication Engineering (DST-FIST, Sponsored Department), K L University, Vaddeswaram, Guntur Dist., Andhra Pradesh, India, during 2nd & 3rd January, 2015
6. Polasi, Phani Kumar, and Kalva Sri Rama Krishna. "Combining the evidences of temporal and spectral enhancement techniques for improving the performance of Indian language identification system in the presence of background noise." *International Journal of Speech Technology* **Springer** (2015): 1-11.
7. Polasi, Phani Kumar, and Kalva Sri Rama Krishna, “Combining the Evidences of Temporal and Spectral Enhancement Techniques for Improving the Performance of Indian Language Identification System in the presence of time varying noises” International International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.5 (2015) pp. 3979-3985. (**Scopus Indexed**)

8. Polasi, Phani Kumar, and Kalva Sri Rama Krishna, "Performance of Speaker Independent Language Identification System under Various Noise Environments, The Third International Conference on INformation Systems Design and Intelligent Applications 2016 (INDIA-2016), January 8-9, 2016. (**Springer**)
9. Ravi Raja A, V H Prasad Reddy, Dr. Sk Fayaz Ahamed, **Dr. Phani Kumar Polasi** and Venkata Ratna Prabha K. (2020). Development and Validation of Low Cost, Wi-Fi Integrated Transponder as Data Logger for IoT Based Personal Healthcare in Smart Zones. *International Journal of Advanced Science and Technology*, 29(06), 5419 - 5430. **Elsevier (Scopus Indexed)** Vol. 29 No. 06 (2020)
10. **Dr. Phani Kumar Polasi**, R. Veera Amudhan, Dr.D.Manoj Kumar, Suwetha .I. G. (2020). Compact Health Care System. *International Journal of Advanced Science and Technology*, 29(10s), 6950 - 6954. **Elsevier (Scopus Indexed)**
11. **Dr. Phani Kumar Polasi et al.**, "Phonic Classification using RBFNN", Journal of Electronic Imaging, SCI Expanded. (Communicated) Age of the journal is 28 years, IF 0.954. Completed 2 Reviews, waiting for the 3rd review to be done.
12. Ravi Raja A, **Dr. Phani Kumar Polasi** , " Analysis of Noise Reduction Techniques for Electrooculography Signals for Automatic Sleep Stage Scoring Application, CRC Press/ Balkema – Taylor & Francis Group. (Accepted for publication)
13. N Kapileswar, **Dr. Phani Kumar Polasi**, "Adaptive OFDM Non Uniform Modulation for Underwater Acaoustic Communication" accepted for publication in ICCCS 2020 conducted at IIT Patna.
14. Pandey S., Barik R.K., Karan A., **Phani Kumar P.**, Haripriya D., Kapileswar N. (2020) **Socio-medic Drone with Integrated Defibrillator**. In: Sharma D., Balas V., Son L., Sharma R., Cengiz K. (eds) Micro-Electronics and Telecommunication Engineering. *Lecture Notes in Networks and Systems*, Vol 106. Pp 659 – 667, **Springer**, Singapore Print ISBN 978-981-15-2328-1