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LIST OF PUBLICATIONS LAST 5 YEARS:

| Year of Publication | Title   |
|---------------------|---|
| 2018                | A. A. V, S, R., and Dr. Rajathilagam B., “Electrolaryngeal Speech Improvement through Phoneme Enhancement”, Workshop on Speech Processing for Voice, Speech and Hearing Disorders (WSPD) 2018, INTERSPEECH 2018, Mysore, India. . 2018. |
| 2015                | Dr. Rajathilagam B., Murali, R., and Balaji, B., “Dynamic Context-specific User Profiles by Regression Modelling”, Proceedings of GSTF CGAT. 2015.  |
| 2014                | Dr. Rajathilagam B., XC, D. P., and Jayaraj, B., “Techniques for Secure Communication in Emerging Wireless Ubiquitous Networks”, The International conference on High Power Computing (HiPC), Bangalore, India, 2004. 2014.             |

| Year of Publication | Title  |
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| 2017                | P. Dharmarajan and Dr. Rajathilagam B., “Cloud-Based e-Healthcare Service System Design for On-Demand Affordable Remote Patient Care”, in Computer Communication, Networking and Internet Security, Singapore, 2017. |
| 2017                | Dr. Rajathilagam B. and Rangarajan, M., “Spectral representation of principal components in signals and images using G-lts decomposition of subbands”, in  |

| Year of Publication | Title   |
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|                     | IEEE Region 10 Annual International Conference, Proceedings/TENCON, 2017, pp. 3809-3812.  |
| 2016                | S. S. and Dr. Rajathilagam B., “Intelligent System for Wayfinding through Unknown Complex Indoor Environment”, in Intelligent Systems Technologies and Applications 2016, Cham, 2016, vol. 530, pp. 759-770.  |
| 2018                | B. Nagarajan and Dr. Rajathilagam B., “Object Shapes from Regular Curves through Sparse Representations”, Procedia Computer Science, vol. 133, pp. 635 - 642, 2018.   |
| 2018                | S. Suman and Dr. Rajathilagam B., “Outlier detection in time-series data: Specific to nearly uniform signals from the sensors”, Lecture Notes in Computational Vision and Biomechanics, vol. 28, pp. 697-704, 2018.   |
| 2017                | Dr. Rajathilagam B. and Dr. Murali Rangarajan, “Reducing the cold-user and cold-item problem in recommender system by reducing the Spectral representation of principal components in signals and images using G-lets decomposition of sub bands”, IEEE Region 10 Annual International Conference, Proceedings TENCON, pp. 3809 -3812., 2017. |
| 2017                | Dr. Rajathilagam B. and Rangarajan, M., “Edge detection using G-lets based on matrix factorization by group representations”, Pattern Recognition, vol. 67, pp. 1-15, 2017.   |
| 2015                | S. C, Sandeep, R., and Dr. Rajathilagam B., “Comparison of Image Segmentation Algorithms”, International Journal of Applied Engineering Research (IJAER), 2015.   |
| 2015                | R. Shwetha and Dr. Rajathilagam B., “Super resolution of mammograms for breast cancer detection”, International Journal of Applied Engineering Research, vol. 10, pp. 21453-21465, 2015.  |