

Details of Indian Examiner 2

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List of Publications:

1. Srinivasarao Chintagunta, Palanisamy Ponnusamy, 2D-DOD and 2D-DOA estimation using the electromagnetic vector sensors, *Signal Processing*, Volume 147, 2018, Pages 163-172.
2. P.V. Sudeep, P. Palanisamy, Chandrasekharan Kesavadas, Jeny Rajan, An improved nonlocal maximum likelihood estimation method for denoising magnetic resonance images with spatially varying noise levels, *Pattern Recognition Letters*, 2018.
3. S. Chintagunta and P. Ponnusamy, "Integrated polarisation and diversity smoothing algorithm for DOD and DOA estimation of coherent targets," in *IET Signal Processing*, vol. 12, no. 4, pp. 447-453, 2018.
4. P. V. Sudeep, P. Palanisamy, Chandrasekharan Kesavadas, Jan Sijbers, Arnold J. den Dekker and Jeny Rajan, "A nonlocal maximum likelihood estimation method for enhancing magnetic resonance phase maps", *Signal, Image and Video Processing*, Vol. 11, no. 5, pp 913–920, 2017.
5. Chintagunta, S. & Palanisamy, P, "DOD and DOA estimation using the spatial smoothing in MIMO radar with the EmV sensors", *Multidim Syst Sign Process* (2017). <https://doi.org/10.1007/s11045-017-0500-1>
6. P.V. Sudeep, P. Palanisamy, Jeny Rajan, Hediye Baradaran, Luca Saba, Ajay Gupta and Jasjit S. Suri, Speckle reduction in medical ultrasound images using an unbiased non-local means method, *Biomedical Signal Processing and Control*, Vol. 28, 2016, pp. 1-8.

7. S. Deivalakshmi and P. Palanisamy, Removal of high density salt and pepper noise through improved tolerance based selective arithmetic mean filtering with wavelet thresholding, *AEU - International Journal of Electronics and Communications*, Vol. 70, no. 6, 2016, pp. 757-776.
8. P.V. Sudeep, S. Issac Niwas, P. Palanisamy, Jeny Rajan, Yu Xiaojun, Xianghong Wang, Yuemei Luo and Linbo Liu, Enhancement and bias removal of optical coherence tomography images: An iterative approach with adaptive bilateral filtering, *Computers in Biology and Medicine*, Vol. 71, 2016, pp. 97-107.
9. Gopi, Varun P, Palanisamy P, Wahid, Khan A, Babyn Paul and Cooper David, "Iterative Computed Tomography Reconstruction from Sparse-View Data", *Journal of Medical Imaging and Health Informatics*, Vol. 6, no. 1, February 2016, pp. 34-46(13).
10. S Deivalakshmi and P Palanisamy. Undecimated Balanced GHM Multiwavelet Transform based Contrast Enhancement Technique for Dark Images using Dynamic Stochastic Resonance. *International Journal of Computer Applications* 150(11):47-54, September 2016.
11. P.V. Sudeep, P. Palanisamy, Chandrasekharan Kesavadas and Jeny Rajan, Nonlocal linear minimum mean square error methods for denoising MRI, *Biomedical Signal Processing and Control*, Vol. 20, 2015, pp. 125-134.
12. E.S. Gopi and P. Palanisamy, Neural network based class-conditional probability density function using kernel trick for supervised classifier, *Neurocomputing*, Vol. 154, 2015, pp. 225-229.
13. E.S. Gopi and P. Palanisamy, Maximizing Gaussianity using kurtosis measurement in the kernel space for kernel linear discriminant analysis, *Neurocomputing*, Vol. 144, 2014, pp. 329-337.
14. Varun P. Gopi, P. Palanisamy, Khan A. Wahid, Paul Babyn and David Cooper, Multiple regularization based MRI reconstruction, *Signal Processing*, Vol. 103, 2014, pp. 103-113.
15. P. S. Reddy and P. Palanisamy, "Multitaper spectrum sensing using sinusoidal tapers with overlapping time series," *2014 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT)*, Kanyakumari, 2014, pp. 862-865.
16. Varun P. Gopi, P. Palanisamy, Khan A. Wahid and Paul Babyn, "MR image reconstruction based on framelets and nonlocal total variation using split Bregman method", *International Journal of Computer Assisted Radiology and Surgery*, Vol. 9, no. 3, May 2014, pp. 459-472.