PUBLICATIONS SUMMARY

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LIST OF REPRESENTATIVE PUBLICATIONS

A. Refereed International Journal Papers: Q1

1. Debanjan Sadhya, Kanjar De, Balasubramanian Raman and Partha Pratim Roy, Efficient Extraction of Consistent Bit Locations from Binarized Iris Features Accepted for publication in Expert Systems with Applications (Elsevier), 2019.


5. Debanjan Sadhya and Balasubramanian Raman, Generation of Cancelable Iris Templates via Randomized Bit Sampling, Accepted for Publication in IEEE Transactions on Information Forensics and Security, 2019.


B. Refereed International Journal Papers: Q2

23. Javed Imran and Balasubramanian Raman, Deep Residual Infrared Action Recognition by Integrating Local and Global Spatio-Temporal Cues, Accepted for publication in *Infrared Physics & Technology* (Elsevier), 2019.


C. Refereed International Journal Papers: Q2 and Q3

44. Rahul Kumar, Brajesh Kumar Kaushik and **Balasubramanian Raman**, Multispectral Transmission Map Fusion Method and Architecture for Image Dehazing, Accepted for publication in *IEEE Transactions on Very Large Scale Integration Systems*, 2019.


D. Refereed International Journal Papers: Q3

76. Anjali Gautam and Balasubramanian Raman, Local gradient of gradient pattern: a robust image descriptor for the classification of brain strokes from computed tomography images, Accepted for publication in Pattern Analysis and Applications (Springer), 2019.

77. Javed Imran and Balasubramanian Raman, Deep Motion Templates and Extreme Learning Machine for Sign Language Recognition, Accepted for publication in The Visual Computer (Springer), 2019.

78. Amit Kumar, Balasubramanian Raman and Debanjan Sadhya, Dynamic Texture recognition using Local Tetra Pattern - Three Orthogonal Planes (LTrP-TOP), Accepted for publication in The Visual Computer (Springer), 2019.

79. Javed Imran and Balasubramanian Raman, Evaluating Fusion of RGB-D and Inertial Sensors for Multimodal Human Action Recognition, Accepted for publication in Journal of Ambient Intelligence and Humanized Computing (Springer), 2019.


87. R. Balasubramanian, Sukhendu Das and K. Swaminathan, Reconstruction of quadratic curves in 3-D from two or more perspective views, Mathematical problems in Engineering (Taylor and Francis, Now Hindawi), Vol. 8, No.3, pp. 207-219, 2002.

E. Other SCI Journals


F. Books Edited:


G. Book Chapters:


7. Amitesh Rajput and Balasubramanian Raman, Example Based Privacy-Preserving Video Color Grading, Accepted for publication in Handbook of Multimedia Information Security: Techniques and Applications (HMIS), Springer, 2018.

H. Refereed International Conference Papers appear in Proceedings:

1. Himanshu Buckchash and Balasubramanian Raman, Sustained Self-Supervised Pretraining for Temporal Order Verification, Accepted for publication in the 8th International Conference on Pattern Recognition and Machine Intelligence (PReMI 2019), December 17-20, 2019, Tezpur, INDIA.

2. Sanyam Rajpal, Debanjan Sadhya, Kanjar De, Partha Pratim Roy and Balasubramanian Raman, EAI-NET: Effective and Accurate Iris Segmentation Network, Accepted for publication in the 8th International Conference on Pattern Recognition and Machine Intelligence (PReMI 2019), December 17-20, 2019, Tezpur, INDIA.

3. Sourav Sahoo, Puneet Kumar, Balasubramanian Raman and Partha Pratim Roy, A Segment Level Approach to Speech Emotion Recognition using Transfer Learning, Accepted for publication in the 5th Asian Conference on Pattern Recognition (ACPR 2019), November 25-29, 2019, Auckland, NEW ZEALAND.


6. Amitesh Rajput and Balasubramanian Raman, Privacy-preserving smart surveillance using local color correction and optimized ElGamal cryptosystem over cloud, Accepted for publication in IEEE International Conference on Cloud Computing (IEEE Cloud 2019), July 08-13, 2019, Milan, ITALY.

7. Debanjan Sadhya, Akshay Agarwal and Balasubramanian Raman, Perfectly Secure Shamir’s Secret Sharing Scheme for Privacy Preserving Image Processing Over Cloud, Accepted for publication in 11th Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP’18), December 18-22, 2018, Hyderabad, INDIA.

8. Javed Imran and Balasubramanian Raman, Multimodal Egocentric Activity Recognition Using Multi-Stream CNN, Accepted for publication in 11th Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP’18), December 18-22, 2018, Hyderabad, INDIA.

9. Gaurav Bhatt, Akshita Gupta, Aditya Arora and Balasubramanian Raman, Acoustic Features Fusion using Attentive Multi-channel Deep Architecture, CHiME 2018, the 5th International Workshop on Speech Processing in Everyday Environments, pp. 30-34, 07 September 2018, Hyderabad, INDIA.

10. Vishesh Kumar Tanwar, Amitesh Singh Rajput, Balasubramanian Raman and Rama Bharagava, Privacy Preserving Image Scaling using 2D Bicubic Interpolation over the Cloud, Accepted for publication in IEEE International Conference on Systems, Man, and Cybernetics (SMC 2018), October 7-10, 2018, Miyazaki, JAPAN.


26. Manisha Verma and Balasubramanian Raman, Object Tracking using Joint Histogram of Color and Local Rhombus Pattern, Accepted for presentation in The IEEE International Conference on Signal and Image Processing Applications (ICSIPA’2015), pp. 77-82, Oct 19-21, 2015, Kuala Lumpur, MALAYSIA.


28. H. Agarwal, Balasubramanian Raman and P. K. Atrey, Watermarking schemes to secure the face database and test images in a biometric system, The IEEE International Conference on Signal and Image Processing Applications (ICSIPA’2013), pp. 128-133, October 8-10, 2013, Melaka, MALAYSIA.


42. Nidhi Taneja, Balasubramanian Raman and Indra Gupta, Partial Encryption On SPIHT Compressed Images, Proceedings of Third International Conference on Pattern Recognition and Machine Intelligence (PREMi 09), LNCS, pp. 426-431, Dec 16-20, 2009, IIT Delhi, INDIA.

43. Gaurav Bhatnagar and Balasubramanian Raman, Robust Watermarking using Distributed MR-DCT and SVD, Proceedings of 7th IEEE International Conference on Advances in Pattern Recognition (IEEE-ICAPR 2009), pp. 21-24, 4-6, Feb 2009, ISI Kolkata, INDIA.


