PUBLICATIONS SUMMARY

<table>
<thead>
<tr>
<th>Category</th>
<th>Published/ Accepted</th>
<th>Under Review/ Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refereed Journal Papers</td>
<td>117</td>
<td>10</td>
</tr>
<tr>
<td>Refereed Conference Papers</td>
<td>63</td>
<td>06</td>
</tr>
<tr>
<td>International Book Chapters</td>
<td>07</td>
<td>00</td>
</tr>
<tr>
<td>Total</td>
<td>187</td>
<td>16</td>
</tr>
</tbody>
</table>

LIST OF REPRESENTATIVE PUBLICATIONS

A. Refereed International Journal Papers: Q1


3. Rahul Kumar, Balasubramanian Raman and Brajesh Kumar Kaushik, Efficient Method and Architecture for Real-Time Video Defogging, Accepted for Publication in *IEEE Transactions on Intelligent Transportation Systems*, 2020.


B. Refereed International Journal Papers: Q2


38. Anjali Gautam and Balasubramanian Raman, Towards Effective Classification of Brain Hemorrhagic and Ischemic Stroke using CNN, Accepted for publication in Biomedical Signal Processing and Control (Elsevier), 2020.


C. Refereed International Journal Papers: Q2 and Q3


70. Ridhi Arora, Prateek Kumar Rai and **Balasubramanian Raman**, Deep Feature based Automatic Classification of Mammograms, Accepted for publication in *Medical & Biological Engineering & Computing* (Springer), 2020.


D. Refereed International Journal Papers: Q3


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. Puneet Kumar, Sidharth Jain, Balasubramanian Raman, Partha Pratim Roy and Masakazu Iwamura, End-to-end Triplet Loss based Emotion Embedding System for Speech Emotion Recognition, Accepted for publication in the 25th International Conference on Pattern Recognition (ICPR 2020), 10-15, January 2021, Milan, ITALY.


3. Himanshu Buckchash and Balasubramanian Raman, Human Motion Generation by Stochastic Conditioning of Deep Recurrent Networks on Pose Manifolds, Accepted for publication in International Conference on Image Processing (ICIP 2020), October 25-28, 2020, UAE.

4. Javed Imran, Balasubramanian Raman and Amitesh Rajput, Robust, Efficient and Privacy-Preserving Violent Activity Recognition in Videos, Accepted for publication in The 35th ACM/SIGAPP Symposium on Applied Computing (SAC 2020), March 30 - April 03, 2020, Brno, CZECH REPUBLIC.

6. 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.

7. 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.

8. 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.


14. 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.


31. 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.


33. 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.


43. Gaurav Gupta, Balasubramanian Raman, M. S. Rawat, 3D Reconstruction of quadratic curves from perspective views: A possible implementation in biomedical imaging, CD-ROM Proceedings of International Symposium on Medical Imaging: Perspectives on Perception and Diagnostics organized in conjunction with the seventh Indian conference on Computer Vision, Graphics and Image Processing (ICVGIP) 2010, pp 1-6, Dec 9-10, 2010, IIT Delhi, INDIA.


47. 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.

48. 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.


57. Mayur D. Jain, Nalin Pradeep, R. Balasubramanian and Rama Bhargava, Local and Global Tree Graph Structures for Fingerprint Verification, Proceedings of Third IASTED International Conference on Signal Processing, Pattern Recognition and Applications, pp. 287-293, Feb 15-17, 2006, Innsbruck, AUSTRIA.


