1. **List of Publications:**

**(i) Refereed Journal Papers**

1. [Murari Mandal**, Santosh Kumar Vipparthi**, Mallika Chaudhary, Subramanian Murala, Anil Balaji Gonde, S. K. Nagar, ANTIC: ANTithetic Isomeric Cluster Patterns for Medical Image Retrieval and Change Detection, IET Computer Vision, **(IEEE, IET), (2018) (Impact Factor 1.087).**](https://digital-library.theiet.org/content/journals/10.1049/iet-cvi.2018.5206)
2. [**Santosh Kumar Vipparthi,** Subramanian Murala, Anil Balaji Gonde, Q. M. Jonathan Wu, Local Directional Mask Maximum Edge Patterns for Image Retrieval and Face Recognition, IET Computer Vision, **(IEEE, IET), (2016) (Impact Factor 1.087).**](https://digital-library.theiet.org/content/journals/10.1049/iet-cvi.2015.0035)
3. [**Santosh Kumar Vipparthi**, S. K. Nagar*,* Expert Image Retrieval system using Directional Local Motif XOR Patterns, *Expert Systems with Applications*, 41 (2014). 8016-8026. **Elsevier (2014) (Impact Factor 3.928)**](https://www.sciencedirect.com/science/article/pii/S0957417414003935)
4. [**Santosh Kumar Vipparthi**, Subrahmanyam Murala, S. K. Nagar and A. B. Gonde “Local Gabor Maximum Edge Position Octal Patterns for Image Indexing and Retrieval”, *Neurocomputing, 167, 336:345*. **Elsevier, (Impact Factor 3.317)**](https://www.sciencedirect.com/science/article/pii/S0925231215005317)
5. [**Santosh Kumar Vipparthi**, S. K. Nagar, "Dual directional Multi-Motif XOR Patterns: A new Descriptor for Image Indexing and Retrieval”, *International Journal for Light and Electron Optics*, 126 (15), 1467-1473. **Elsevier** **(Impact Factor 0.835)**](https://www.sciencedirect.com/science/article/pii/S003040261500217X)
6. [**Santosh Kumar Vipparthi**, S. K. Nagar,” Integration of Color and Local Derivative Pattern Features for Content-Based Image Indexing and Retrieval”, *Journal of the Institution of Engineers (India): Series B*, 96(3): 251:263, **Springer (Accepted 2014)*.*** (DOI: 10.1007/s40031-014-0153-5)](https://link.springer.com/article/10.1007/s40031-014-0153-5)
7. [**Santosh Kumar Vipparthi**, S. K. Nagar “Colored Directional Local Quinary Patterns for Multimedia Image Indexing and Retrieval”, *Human-centric Computing and Information Sciences*, 4:6, 2014. **Springer(Published 2014)**](https://hcis-journal.springeropen.com/articles/10.1186/s13673-014-0006-x)
8. [**Santosh Kumar Vipparthi**, S. K. Nagar “Local Extreme Complete Trio Pattern for multimedia image retrieval system”, *International Journal of Automation and Computing (IJAC),* **Springer (SCImago)**](https://link.springer.com/article/10.1007/s11633-016-0978-2)
9. [**Santosh Kumar Vipparthi**, S. K. Nagar, Directional Local Ternary Patterns for Multimedia Image Indexing and Retrieval. *International Journal of Signal and Imaging Systems Engineering (IJSISE)*, 8 (3), 137-145, **Inderscience**](https://www.researchgate.net/profile/Santosh_Vipparthi/publication/281399652_Directional_local_ternary_patterns_for_multimedia_image_indexing_and_retrieval/links/55fbf8e608aec948c4afbc57.pdf)

**(ii) Refereed Conference Papers**

1. [Murari Mandal, Prafulla Saxena, **Santosh Kumar Vipparthi**, Subrahmanyam Murala, CANDID: Robust Change Dynamics and Deterministic Update Policy for Dynamic Background Subtraction, IEEE 24th International Conference on Pattern Recognition (ICPR), Beijing, China **(IEEE) (2018)**.](https://arxiv.org/abs/1804.07008)
2. [Monu Verma, Prafulla Saxena, **Santosh Kumar Vipparthi**, Gridhari Singh, QUEST: Quadriletral Senary bit Pattern for Facial Expression Recognition, IEEE International Conference on Systems, Man, and Cybernatics, Miyazaki, Japan, **(IEEE) (2018)**.](https://arxiv.org/abs/1807.09154)
3. Monu Verma, Jaspreet Kaur Bhui, **Santosh Kumar Vipparthi**, Girdhari Singh,EXPERTNet: Exigent Features Preservative Network for Facial Expression Recogntion. ACM 11th International Conference on Computer Vision, Graphics and Image Processing (ICVGIP), Hyderabad, India (2018).
4. [Sonakshi Mathur, Mallika Chaudhary, Hemant Verma, Murari Mandal, **Santosh Kumar Vipparthi**, Subrahmanyam Murala,Multichannel Distributed Local Pattern for Content Based Indexing and Retrieval. 14th IEEE India Council International Conference, (INDICON-17), IIT Roorkee, **(IEEE) (2017).**](https://arxiv.org/abs/1805.02679)
5. [Monu Verma, **Santosh Kumar Vipparthi**, Girdhari Singh, Region Based Extensive Response Index Pattern for Facial Expression Recognition. International Conference on Communication, Computing and Internet of Things. **(IEEE), (2018).**](https://arxiv.org/abs/1811.10261)
6. [Anil Balaji Gonde, Subrahmanyam Murala, **Santosh Kumar Vipparthi**, Rudra Prakash Maheshwari, R Balasubramanian, 3D Local Transform Patterns: A New Feature Descriptor for Image Retrieval. International Conference on Computer Vision and Image Processing (CVIP-16), IIT Roorkee, **(Springer) (2016)**](https://link.springer.com/chapter/10.1007/978-981-10-2107-7_45)
7. [**Santosh Kumar Vipparthi**, S. K. Nagar, Directional Local Quinary Patterns for Multimedia Image Indexing and Retrieval. Intelligent Computing, Networking, and Informatics Advances in Intelligent Systems and Computing, 243 (837-844), 2014. **(Springer) (2014)**](Directional%20Local%20Quinary%20Patterns%20for%20Multimedia%20Image%20Indexing%20and%20Retrieval)
8. **Santosh Kumar Vipparthi**, J. P. Tiwari. Color and Texture Features for Content Based Image Retrieval. participated and presented a Technical Paper in the Artificial Intelligence and agents: Theory and Applications (AIATA-11), Dec 09-11, 201 at IT-BHU, Varanasi, India.