List of Publications

Published

In SCI/SCIE Journals

1. Santosh Kumar Tripathy and Rajeev Srivastava, "AMS-CNN: Attentive multi-stream CNN for video-based crowd counting", International Journal of Multimedia Information Retrieval, Springer. Vol. 10, Issue 4, Pages 239-254, DOI: https://doi.org/10.1007/s13735-021-00220-7. (2021) **(SCIE IF: 2.55)**
2. Santosh Kumar Tripathy and Rajeev Srivastava, "A real-time two-input stream multi-column multi-stage convolution neural network (TIS-MCMS-CNN) for efficient crowd congestion-level analysis", Multimedia Systems, Springer. Vol. 26, Issue 5, Pages 585-605. DOI: https://doi.org/10.1007/s00530-020-00667-4. (2020) **(SCI IF: 2.60)**
3. Santosh Kumar Tripathy, Repala Sudhamsh, Subodh Srivastava and Rajeev Srivastava, :MuST-POS: multiscale spatial-temporal 3D atrous-net and PCA guided OC-SVM for crowd panic detection", Journal of Intelligent & Fuzzy Systems, IOS Press. Issue Preprint, Pages 1-16. DOI:10.3233/JIFS-211556. (2022) **(SCIE IF: 1.73)**
4. Santosh Kumar Tripathy, Harsh Kostha, Rajeev Srivastava, "TS-MDA: Two-Stream Multiscale Deep Architecture for Crowd behavior Prediction", Multimedia Systems, Springer. **(Accepted, June 27, 2022) (SCI IF: 2.60)**

In International Conferences

1. Santosh Kumar Tripathy and Rajeev Srivastava, "A Transfer Learning-Based Multi-cues Multi-scale Spatial–Temporal Modelling for Effective Video-Based Crowd Counting and Density Estimation Using a Single-Column 2D-Atrous Net", *In the Proc. of International Conference on "Machine Vision and Augmented Intelligence—Theory and Applications"*, LNEE, Springer, Singapore, Vol. 796, Pages 179-194, DOI: https://doi.org/10.1007/978-981-16-5078-9_16. (Dec, 2021) **(SCOPUS)**
2. Santosh Kumar Tripathy, Rajeev Srivastava, "A Novel Deep Architecture for Multi-Task Crowd Analysis". *In Proc. of IEEE-CONNECT, IEEE Bangalore Section, India*. **(Accepted, May 31, 2022) (SCOPUS)**

3. Santosh Kumar Tripathy, Naman Kaushik, Subodh Srivastava, Rajeev Srivastava, "Crowd counting via De-background Multicolumn Dynamic Convolutional Neural Network" *in Proc. International Conference on Computational Intelligence for Engineering and Management Applications (CIEMA).* **(Accepted, January 19, 2022) (SCOPUS)**

Communicated in Journals:

1. Santosh Kumar Tripathy, Subodh Srivastava, Rajeev Srivastava, "MuHAMuD-MuST-CNN: Multiscale Head Attention guided Multiscale Density maps fusion for video crowd counting via Multi-attention Spatial-Temporal CNN" communicated in Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization, Taylor & Francis. (June' 2022) **(Under Revision)**
2. Santosh Kumar Tripathy, Subodh Srivastava, Divij Bajaj, Rajeev Srivastava, "A Novel Cascaded Deep Architecture for Video Crowd Counting with Weakly-Supervised Learning", Neural Processing Letters, Springer. (June'2022)
3. Santosh Kumar Tripathy, Subodh Srivastava, Rajeev Srivastava, "A Novel Deep Spatial-Temporal CNN and OC-SVM For Multi Task Crowd Analysis", Journal of Defense Modelling and Simulations (JDMS), Sage. (May 2022)
4. Santosh Kumar Tripathy, Mihil Gupta, Subodh Srivastava, Rajeev Srivastava, "Multiscale Flow Attentive Depth Separable CNN for Multitasking Crowd Analysis," Journal of Applied Intelligence, Springer. (July'2022)

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