7. References

Al-Sa'd, M., Kiranyaz, S., Ahmad, I., Sundell, C., Vakkuri, M., & Gabbouj, M. (2022). A Social Distance Estimation and Crowd Monitoring System for Surveillance Cameras. *Sensors*, *22*(2). https://doi.org/10.3390/s22020418

Alzahrani, B., Barnawi, A., Irshad, A., Alhothali, A., Alotaibi, R., & Shafiq, M. (2022). A secure key agreement scheme for unmanned aerial vehicles-based crowd monitoring system. *Computers, Materials and Continua*, *70*(3). https://doi.org/10.32604/cmc.2022.020774

Castellano, G., Castiello, C., Mencar, C., & Vessio, G. (2020). Crowd Detection in Aerial Images Using Spatial Graphs and Fully-Convolutional Neural Networks. *IEEE Access*, *8*. https://doi.org/10.1109/ACCESS.2020.2984768

Castellano, G., Cotardo, E., Mencar, C., & Vessio, G. (2023). Density-based clustering with fully-convolutional networks for crowd flow detection from drones. *Neurocomputing*, *526*. https://doi.org/10.1016/j.neucom.2023.01.059

Chebil, K., Htiouech, S., & Khemakhem, M. (2022). Toward Optimal Periodic Crowd Tracking via Unmanned Aerial Vehicles. *SSRN Electronic Journal*. https://doi.org/10.2139/ssrn.4100367

Chen, G., Wang, W., He, Z., Wang, L., Yuan, Y., Zhang, D., Zhang, J., Zhu, P., Van Gool, L., Han, J., Hoi, S., Hu, Q., Liu, M., Sciarrone, A., Sun, C., Garibotto, C., Tran, D. N. N., Lavagetto, F., Haleem, H., … Luo, Z. (2021). VisDrone-MOT2021: The Vision Meets Drone Multiple Object Tracking Challenge Results. *Proceedings of the IEEE International Conference on Computer Vision*, *2021-October*. https://doi.org/10.1109/ICCVW54120.2021.00318

Cocca, U., Giusti, A., & Roveda, L. (2022). Hand Gestures-Based Smooth 3D Trajectories Computation Applied to Real-Time Drone Control by Tracking 2D Hand Landmarks. *International Conference on Electrical, Computer, Communications and Mechatronics Engineering, ICECCME 2022*. https://doi.org/10.1109/ICECCME55909.2022.9987798

Fadzil, N., Abu Bakar, N. H., Idrus, S. M., Azmi, A. I., Mohammad, S. H., & Ali, N. (2021). Recent Development of Crowd Monitoring Technology Solution for Covid-19 Prevention at Airport Terminal. In *International Journal of Nanoelectronics and Materials* (Vol. 14, Issue Special Issue InCAPE).

Fan, Z., Zhang, H., Zhang, Z., Lu, G., Zhang, Y., & Wang, Y. (2022). A survey of crowd counting and density estimation based on convolutional neural network. *Neurocomputing*, *472*. https://doi.org/10.1016/j.neucom.2021.02.103

Gajjar, V., Khandhediya, Y., & Gurnani, A. (2017). Human detection and tracking for video surveillance: A cognitive science approach. *Proceedings - 2017 IEEE International Conference on Computer Vision Workshops, ICCVW 2017*, *2018-January*. https://doi.org/10.1109/ICCVW.2017.330

Jiang, M., Lin, J., & Jane Wang, Z. (2021). SHUFFLECOUNT: TASK-SPECIFIC KNOWLEDGE DISTILLATION FOR CROWD COUNTING. *Proceedings - International Conference on Image Processing, ICIP*, *2021-September*. https://doi.org/10.1109/ICIP42928.2021.9506698

Jiang, M., Lin, J., & Wang, Z. J. (2021). A smartly simple way for joint crowd counting and localization. *Neurocomputing*, *459*. https://doi.org/10.1016/j.neucom.2021.06.055

Lan, W., Dang, J., Wang, Y., & Wang, S. (2018). Pedestrian detection based on yolo network model. *Proceedings of 2018 IEEE International Conference on Mechatronics and Automation, ICMA 2018*. https://doi.org/10.1109/ICMA.2018.8484698

Liang, D., Chen, X., Xu, W., Zhou, Y., & Bai, X. (2022). TransCrowd: weakly-supervised crowd counting with transformers. *Science China Information Sciences*, *65*(6). https://doi.org/10.1007/s11432-021-3445-y

Molchanov, V. V., Vishnyakov, B. V., Vizilter, Y. V., Vishnyakova, O. V., & Knyaz, V. A. (2017). Pedestrian detection in video surveillance using fully convolutional YOLO neural network. *Automated Visual Inspection and Machine Vision II*, *10334*. https://doi.org/10.1117/12.2270326

Nadeem, A., Ashraf, M., Qadeer, N., Rizwan, K., Mehmood, A., AlZahrani, A., Noor, F., & Abbasi, Q. H. (2022). Tracking Missing Person in Large Crowd Gathering Using Intelligent Video Surveillance. *Sensors*, *22*(14). https://doi.org/10.3390/s22145270

Shadakshri, V. H. C., Veena, M. B., & Dev, V. K. R. G. (2022). OpenCV Implementation of Grid-based Vertical Safe Landing for UAV using YOLOv5. *International Journal of Advanced Computer Science and Applications*, *13*(9). https://doi.org/10.14569/IJACSA.2022.0130957

Sindagi, V. A., & Patel, V. M. (2017). CNN-Based cascaded multi-task learning of high-level prior and density estimation for crowd counting. *2017 14th IEEE International Conference on Advanced Video and Signal Based Surveillance, AVSS 2017*. https://doi.org/10.1109/AVSS.2017.8078491

Syed Ameer Abbas, S., Oliver Jayaprakash, P., Anitha, M., & Vinitha Jaini, X. (2018). Crowd detection and management using cascade classifier on ARMv8 and OpenCV-Python. *Proceedings of 2017 International Conference on Innovations in Information, Embedded and Communication Systems, ICIIECS 2017*, *2018-January*. https://doi.org/10.1109/ICIIECS.2017.8275988

Vaswani, A., Shazeer, N., Parmar, N., Uszkoreit, J., Jones, L., Gomez, A. N., Kaiser, Ł., & Polosukhin, I. (2017). An image is worth 16*16 words: transformers for image recognition at scale. *Advances in Neural Information Processing Systems*, *2017-Decem*.

Wang, X., Lv, J., & Yun, Z. (2022). A Real-time improved pedestrian dead reckoning trajectory tracking algorithm. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, *46*(3/W1-2022). https://doi.org/10.5194/isprs-archives-XLVI-3-W1-2022-197-2022

Wen, L., Du, D., Zhu, P., Hu, Q., Wang, Q., Bo, L., & Lyu, S. (2021). Detection, Tracking, and Counting Meets Drones in Crowds: A Benchmark. *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*. https://doi.org/10.1109/CVPR46437.2021.00772

Wu, Y., Sui, Y., & Wang, G. (2017). Vision-Based Real-Time Aerial Object Localization and Tracking for UAV Sensing System. *IEEE Access*, *5*. https://doi.org/10.1109/ACCESS.2017.2764419

Xiao, Y., Kamat, V. R., & Menassa, C. C. (2019). Human tracking from single RGB-D camera using online learning. *Image and Vision Computing*, *88*. https://doi.org/10.1016/j.imavis.2019.05.003

Yadav, S., Gulia, P., Gill, N. S., & Chatterjee, J. M. (2022). A Real-Time Crowd Monitoring and Management System for Social Distance Classification and Healthcare Using Deep Learning. *Journal of Healthcare Engineering*, *2022*. https://doi.org/10.1155/2022/2130172

Yan, Z., Duckett, T., & Bellotto, N. (2020). Online learning for 3D LiDAR-based human detection: experimental analysis of point cloud clustering and classification methods. *Autonomous Robots*, *44*(2). https://doi.org/10.1007/s10514-019-09883-y

Zhang, C., Yang, Z., Liao, L., You, Y., Sui, Y., & Zhu, T. (2022). RPEOD: A Real-Time Pose Estimation and Object Detection System for Aerial Robot Target Tracking. *Machines*, *10*(3). https://doi.org/10.3390/machines10030181

Zhang, G., Pan, Y., Zhang, L., & Tiong, R. L. K. (2020). Cross-scale generative adversarial network for crowd density estimation from images. *Engineering Applications of Artificial Intelligence*, *94*. https://doi.org/10.1016/j.engappai.2020.103777

Zhu, L., Li, C., Yang, Z., Yuan, K., & Wang, S. (2020). Crowd density estimation based on classification activation map and patch density level. *Neural Computing and Applications*, *32*(9). https://doi.org/10.1007/s00521-018-3954-7