

MS Data Science

Publications

Dr. Faisal Kamiran

Publications

1. Mir, Abinta Mehmood, Ali Hassan, Asma Khalid, Zohair Raza Hassan, Faisal Kamiran, Agha Ali Raza, Saeed Ul Hassan, and Mudassir Shabbir. 2022. "Data Driven Smart Policing: A Novel Road Distance-Based k-Median Model for Optimal Substation Placement." *Computers in Human Behavior* 127. <https://doi.org/10.1016/j.chb.2021.107014> [IF 8.957]. **[Journal Category: W]**
2. Khan, Abdul Rafae, Asim Karim, Hassan Sajjad, Faisal Kamiran, and Jia Xu. 2022. "A Clustering Framework for Lexical Normalization of Roman Urdu." *Natural Language Engineering* 28 (1). <https://doi.org/10.1017/S1351324920000285> [IF 18.958]. **[Journal Category: W]**

Dr. Mohsen Ali

Publications

1. M. A. Munir, M. H. Khan, M. S. Sarfraz and M. Ali, "Domain Adaptive Object Detection via Balancing between Self-Training and Adversarial Learning," in *IEEE Transactions on Pattern Analysis and Machine Intelligence*, doi: 10.1109/TPAMI.2023.3290135. **[Journal Category: W]**
2. Towards improving calibration in object detection under domain shift. MA Munir, MH Khan, M Sarfraz, M Ali: Conference Paper, *Advances in Neural Information Processing Systems (NeurIPS 2022)* 35, 38706-38718
3. Afzal, M.K., Shardlow, M., Tuarob, S. et al. Generative image captioning in Urdu using deep learning. *J Ambient Intell Human Comput* 14, 7719–7731 (2023). <https://doi.org/10.1007/s12652-023-04584-y> . **[Journal Category: W]**
4. Rehman, M F U, I Aftab, W Sultani, and M Ali. 2022. "Mapping Temporary Slums From Satellite Imagery Using a Semi-Supervised Approach." *IEEE Geoscience and Remote Sensing Letters* 19: 1–5. <https://doi.org/10.1109/LGRS.2022.3180162> (IF 5.343). **[Journal Category: W]**
5. Zaheer, Nimra, Saeed-Ul Hassan, Mohsen Ali, and Mudassir Shabbir. 2022. "Optimal School Site Selection in Urban Areas Using Deep Neural Networks." *Journal of Ambient Intelligence and Humanized Computing* 13 (1): 313–27. <https://doi.org/10.1007/s12652-021-02903-9> (If 3.662). **[Journal Category: W]**
6. Arshad, Qazi Ammar, Mohsen Ali, Saeed ul Hassan, Chen Chen, Ayisha Imran, Ghulam Rasul, and Waqas Sultani. 2022. "A Dataset and Benchmark for Malaria Life-Cycle Classification in Thin Blood Smear Images." *Neural Computing and Applications* 34 (6): 4473–85. <https://doi.org/10.1007/S00521-021-06602-6>/FIGURES/10 (IF 5.102). **[Journal Category: W]**
7. Iqbal, Javed, Rehan Hafiz, and Mohsen Ali. 2022. "FogAdapt: Self-Supervised Domain Adaptation for Semantic Segmentation of Foggy Images." *Neurocomputing* 501 (August): 844–56. <https://doi.org/10.1016/J.NEUCOM.2022.05.086> (IF 5.779). **[Journal Category: W]**

8. Iqbal, Javed, Hamza Rawal, Rehan Hafiz, Yu Tseh Chi, and Mohsen Ali. 2022. "Distribution Regularized Self-Supervised Learning for Domain Adaptation of Semantic Segmentation." *Image and Vision Computing* 124 (August): 104504. <https://doi.org/10.1016/J.IMAVIS.2022.104504> (IF 3.86). **[Journal Category: W]**
9. Zaid, Muhammad, Shafaqat Ali, Mohsen Ali, Sarfaraz Hussein, Asma Saadia, and Waqas Sultani. 2022. "Identifying out of Distribution Samples for Skin Cancer and Malaria Images." *Biomedical Signal Processing and Control* 78 (September): 103882. <https://doi.org/10.1016/J.BSPC.2022.103882> (IF 5.076). **[Journal Category: W]**

Dr. Ali Ahmed

1. Hameed, Humera, Ali Ahmed, and Ubaid U Fayyaz. 2022. "Single-Channel Phaseless Blind Source Separation." *Telecommunication Systems* 80: 469–75. <https://doi.org/10.1007/s11235-022-00906-1>. (IF 2.336) **[Journal Category: W]**