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PUBLICATIONS

Peer-reviewed Publications

1. *Get Up! Assessing Postural Activity & Transitions Using Bi-Directional Gated Recurrent Units On Smartphone Motion Data* **K. Chandrasekaran**, W. Gerych, L. Buquicchio, E. Agu, & E. Rundensteiner. IEEE Healthcare Innovations and Point-Of-Care Technologies, 2019.

2. *CARTMAN: Complex Activity Recognition Using Topic Models for Feature Generation from Wearable Sensor Data* **K. Chandrasekaran**, L. Buquicchio, W. Gerych, A. Alajaji, E. Agu, & E. Rundensteiner. IEEE International Conference on Smart Computing (SMARTCOMP), 2021.

3. *COMEX: Identifying Mislabeled Human Behavioral Context Data using Visual Analytics.* H. Mansoor, W. Gerych, L. Buquicchio, **K. Chandrasekaran**, E. Agu, & E. Rundensteiner. IEEE 43rd Annual Computer Software and Applications Conference, 2019.

4. *DELFI: Mislabeled Human Context Detection using Multi-Feature Similarity Linking* H. Mansoor, W. Gerych, L. Buquicchio, **K. Chandrasekaran**, E. Agu, & E. Rundensteiner. IEEE Visualization in Data Science Workshop, 2019.

5. *DeepContext: Parameterized Compatibility-Based Attention CNN for Human Context Recognition* A. Alajaji, W. Gerych, **K. Chandrasekaran**, L. Buquicchio, E. Agu, & E. Rundensteiner. IEEE 14th International Conference on Semantic Computing (ICSC), 2020.

6. *ARGUS: Interactive Visual Analytics Framework for the Discovery of Disruptions in Bio-Behavioral Rhythms* H. Mansoor, W. Gerych, L. Buquicchio, A. Alajaji, **K. Chandrasekaran**, E. Agu, & E. Rundensteiner. EUROVIS, 2020.

7. *Visual Analytics of Smartphone-Sensed Human Behavior and Health.* H. Mansoor, W. Gerych, A. Alajaji, L. Buquicchio, **K. Chandrasekaran**, E. Agu, & E. Rundensteiner. IEEE Computer Graphics and Applications, 2021.

8. *INTOSIS: Interactive Observation of Smartphone Inferred Symptoms for In-The-Wild Data* H. Mansoor, W. Gerych, L. Buquicchio, A. Alajaji, **K. Chandrasekaran**, E. Agu, & E. Rundensteiner. IEEE International Conference on Big Data (Big Data), 2020.

9. *BurstPU: Classification of Weakly Labeled Datasets with Sequential Bias* W. Gerych, L. Buquicchio, **K. Chandrasekaran**, A. Alajaji, H. Mansoor, A. Murphy, E. Rundensteiner & E. Agu. IEEE International Conference on Big Data (Big Data), 2020.

10. *PLEADES: Population Level Observation of Smartphone Sensed Symptoms for In-the-wild Data using Clustering.* H. Mansoor, W. Gerych, A. Alajaji, L. Buquicchio, **K. Chandrasekaran**, E. Agu, & E. Rundensteiner. International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, 2021.

11. *Smartphone Health Biomarkers: Positive Unlabeled Learning of In-the-Wild Contexts* A. Alajaji, W. Gerych, L. Buquicchio, **K. Chandrasekaran**, H. Mansoor, E. Agu, & E. Rundensteiner. IEEE Pervasive Computing, 2021.

12. *Variational Open Set Recognition (VOSR)* L. Buquicchio, W. Gerych, A. Alajaji, **K. Chandrasekaran**, H. Mansoor, T. Hartvigsen, E. Rundensteiner & E. Agu. IEEE International Conference on Big Data (Big Data), 2021.

13. *Few-Shot Classification for Human Context Recognition Using Smartphone Data Traces* L. Buquicchio, W. Gerych, A. Alajaji, **K. Chandrasekaran**, H. Mansoor, E. Rundensteiner & E. Agu. IEEE International Conference on Machine Learning and Applications (ICMLA), 2021.

Peer-Reviewed Papers at Workshops without Proceedings

1. *Automated activity monitoring using Kinect* **K. Chandrasekaran**, S. Iyer, D. Crandall, A. Kapadia. Workshop on Evaluating Off-the-Shelf Technologies for Personal Health Monitoring at The ACM International Conference on Ubiquitous Computing (UbiComp), 2012.