List of Publications

1 Publications derived from the Thesis

1.1 Journal Articles

1. **A. Taşlan, M. Muma and A. M. Zoubir, "Sparsity-aware Robust Community Detection," *Signal Process.*, vol. 187, pp. 108147, 2021.**

   To access the article: `https://www.sciencedirect.com/science/article/abs/pii/S0165168421001857`

   Cited by:

   (a) A. Diboune, H. Slimani, H. Nacer and K. Beghdad Bey, "A comprehensive survey on community detection methods and applications in complex information networks," *Social Network Analysis and Mining*, vol. 14, pp. 1-47, 2024.

   (b) S. Ranjkesh, B. Masoumi and S. M. Hashemi, "A novel robust memetic algorithm for dynamic community structures detection in complex networks," *World Wide Web*, vol. 27, p. 3, 2024.

   To access the cited articles:

   `https://www.scopus.com/results/citedbyresults.uri?sort=plf-f&cite=2-s2.0-85107672925&src=s&imp=t&sid=4312f03fb34cdd0973f00ace3ae06a0f&sot=cite&sdt=a&sl=0&origin=inward&editSaveSearch=&txGid=f22b1532ac97ea2040e7adff7d087310`

2. **A. Taşlan, M. Muma and A. M. Zoubir, "Fast and Robust Sparsity-Aware Block Diagonal Representation," *IEEE Trans. Signal Process.*, 2023.**

   To access the article: `https://ieeexplore.ieee.org/abstract/document/10365591`

   Cited by:

   (a) Z. Xing and W. Zhao. "Block-Diagonal Guided DBSCAN Clustering," *IEEE Transactions on Knowledge and Data Engineering*, pp. 1-16, 2024.

   To access the cited articles:

   `https://scholar.google.dk/scholar?cites=14672307511468153619&as_sdt=2005&sciodt=0,5&hl=en`

3. **A. Taşlan, M. Muma and A. M. Zoubir, "Robust Regularized Locality Preserving Indexing for Fiedler Vector Estimation," *IEEE Open Journal of Signal Processing*, 2024.**

   To access the article: `https://ieeexplore.ieee.org/abstract/document/10530068`

1.2 Conferences

1. **A. Taştan, N. Hardalaç, S. B. Kavak and F. Hardalaç, "Detection of Fetal Reactions to Maternal Voice Using Doppler Ultrasound Signals," in *Proc. 2018 Int. Conf. Artif. Intell. Data Process. (IDAP)*, pp. 1-6, 2018.**

   To access: `https://ieeexplore.ieee.org/abstract/document/8620732`

   Cited by:

   (a) A. C. Kara and F. Hardalaç, "Detection and classification of knee injuries from MR images using the MRNet dataset with progressively operating deep learning methods," *Machine Learning and Knowledge Extraction*, vol. 3, pp. 1009-1029, 2021.

   (b) H. N. Mehta and J. G. Aher, "Pre-birth Prognostication of Education and Learning of a Fetus While in the Uterus of the Mother Using Machine Learning," *Cybernetics, Cognition and Machine Learning Applications: Proceedings of ICCCMLA 2020*, pp. 31-37, 2021.

   To access the citations:

   `https://scholar.google.dk/scholar?cites=16627208824799266273&as_sdt=2005&sciodt=0,5&hl=en`

2. **A. Taştan, M. Muma and A. M. Zoubir, "An unsupervised approach for graph-based robust clustering of human gait signatures," in *Proc. 2020 IEEE Radar Conf.*, pp. 1-6, 2020.**

   To access: `https://ieeexplore.ieee.org/abstract/document/9266313`

   Cited by:

   (a) J. Mohana, "A Novel and Robust Gait Recognition method based on Hybrid Learning Methodology," in *2023 Int. Conf. Artif. Intell. Knowl. Discovery in Concurrent Eng. (ICECONF)*, pp. 1-7, 2023.

   (b) J. Mohana, "An Efficient Classification of Gait Analysis Model using Modified Hybrid Neural Network," in *2023 Int. Conf. Artif. Intell. Knowl. Discovery in Concurrent Eng. (ICECONF)*, pp. 1-7, 2023.

   To access the citations:

   `https://scholar.google.dk/scholar?cites=11995607577141058580&as_sdt=2005&sciodt=0,5&hl=en`

3. **A. Taştan, M. Muma and A. M. Zoubir, "Robust Spectral Clustering: A Locality Preserving Feature Mapping Based on M-estimation," in *Proc. 29th European Signal Process. Conf.*, pp. 851-855, 2021.**

   To access: `https://ieeexplore.ieee.org/abstract/document/9616292`

   Cited by:

   (a) W. Shan, D. Li, S. Liu, M. Song, S. Xiao and H. Zhang, "A random feature mapping method based on the AdaBoost algorithm and results fusion for enhancing classification performance," *Expert Systems with Applications*, p. 124902, 2024.

   To access the citations:

   `https://scholar.google.dk/scholar?cites=4479895908112235282&as_sdt=2005&sciodt=0,5&hl=en`

4. **A. Taştan, M. Muma and A. M. Zoubir, "Eigenvalue-Based Block Diagonal Representation and Application to p-Nearest Neighbor Graphs," in *Proc. 30th European Signal Process. Conf.*, pp. 1761-1765, 2022.**

   To access: `https://ieeexplore.ieee.org/abstract/document/9909832`

   Cited by:

   (a) L. Wang, S. Chen, M. Yin, Z. Hao and R. Cai, "Block diagonal representation learning with local invariance for face clustering," *Soft Computing*, pp. 1-17, 2024.

   To access the citations:

   `https://scholar.google.dk/scholar?cites=7633089873481367910&as_sdt=2005&sciodt=0,5&hl=en`

5. **A. Taştan, M. Muma, E. Ollila and A. M. Zoubir, "Sparsity-Aware Block Diagonal Representation for Subspace Clustering," in *Proc. 31st European Signal Process. Conf.*, pp. 1594-1598, 2023.**

   To access: `https://ieeexplore.ieee.org/abstract/document/10289969`

2 Publications independent from the Thesis

2.1 Conferences

1. **A. Taştan, C. Escorihuela-Altaba, J. Garcia-Tirado and K. Riesen, "Clustering Time Series Data for Personalized Type 1 Diabetes Management," in *Proc. Int. Conf. Pattern Recognit. Artif. Intell. (ICPRAI)*, 2024.**

   To access: `https://brain.korea.ac.kr/icprai2024/acceptedpapers.php`