

Λίστα Σε Διεθνή Περιοδικά με κριτές (Journals-J)

- J1. Pentari, A., Skaramagkas, V., Lappa, T., Boura, I., Karamanis, G., Kefalopoulou, Z., Spanaki, C., Fotiadis, D. I., & Tsiknakis, M. (2025). A Novel Approach to Distinguish Parkinson's Disease Patients from Healthy Control Subjects Using Speech-Based Task Analysis. *IEEE Journal of Biomedical and Health Informatics*, PP, 1–9. [10.1109/JBHI.2025.3633456](https://doi.org/10.1109/JBHI.2025.3633456)
- J2. Pentari, A., Kafentzis, G., & Tsiknakis, M. (2024). Speech emotion recognition via graph-based representations. *Scientific Reports*, 14(1), 4484. <https://doi.org/10.1038/s41598-024-52989-2>
- J3. Ntanis, A., Kontaxis, S., Rigas, G., Pentari, A., Tsiouris, K., Kontogiannis, E., Kostoulas, E., Tsimperis, I., Vlioras, T., Bousis, A., Zelilidou, S., Tasiou, K., Tsiknakis, M., & Fotiadis, D. (2024, June 30). *Building a Smarter care Home: a deep dive into HealthSonar's architecture for assisted living*. https://personales.upv.es/thinkmind/LifSci/LifSci_v16_n12_2024/lifsci_v16_n12_2024_3.html
- J4. Skaramagkas, V., Pentari, A., Kefalopoulou, Z., & Tsiknakis, M. (2023). Multi-Modal Deep Learning Diagnosis of Parkinson's Disease—A Systematic Review. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 31, 2399–2423. <https://doi.org/10.1109/tnsre.2023.3277749>
- J5. Pentari, A., Simos, N., Tzagarakis, G., Kagialis, A., Bertias, G., Kavroulakis, E., Gratsia, E., Sidiropoulos, P., Boumpas, D. T., & Papadaki, E. (2023). Altered hippocampal connectivity dynamics predicts memory performance in neuropsychiatric lupus: a resting-state fMRI study using cross-recurrence quantification analysis. *Lupus Science & Medicine*, 10(2), e000920. <https://doi.org/10.1136/lupus-2023-000920>
- J6. Pentari, A., Tzagkarakis, G., Marias, K., & Tsakalides, P. (2022). Graph denoising of impulsive EEG signals and the effect of their graph representation. *Biomedical Signal Processing and Control*, 78, 103886. <https://doi.org/10.1016/j.bspc.2022.103886>
- J7. Pentari, A., Tzagkarakis, G., Tsakalides, P., Simos, P., Bertias, G., Kavroulakis, E., Marias, K., Simos, N. J., & Papadaki, E. (2021). Changes in resting-state functional connectivity in neuropsychiatric lupus: A dynamic approach based on recurrence quantification analysis. *Biomedical Signal Processing and Control*, 72, 103285. <https://doi.org/10.1016/j.bspc.2021.103285>
- J8. Giannopoulos, M., Aidini, A., Pentari, A., Fotiadou, K., & Tsakalides, P. (2020). Classification of Compressed Remote Sensing Multispectral Images via Convolutional Neural Networks. *Journal of Imaging*, 6(4), 24. <https://doi.org/10.3390/jimaging6040024>
- J9. Tsagkatakis, G., Aidini, A., Fotiadou, K., Giannopoulos, M., Pentari, A., & Tsakalides, P. (2019). Survey of Deep-Learning Approaches for Remote Sensing Observation Enhancement. *Sensors*, 19(18), 3929. <https://doi.org/10.3390/s19183929>

Λίστα Σε Διεθνή Συνέδρια με κριτές (Conferences-C)

- C1. Pentari, A., Iosifidis, P. K., Giannis Kyprakis, Chrysoula Tzermia, Froudas, M., Vasileios Skaramagkas, & Manolis Tsiknakis. (2023). *Multi-channel CNN-based emotion recognition using recurrence plot representations of speech*. 4820–4826. <https://doi.org/10.1109/bibm58861.2023.10385734>
- C2. Pentari, A., Rigas, G., Ntanis, A., Kassiotis, T., Manousos, D., Florou, E., Vagiakis, E., Fotiadis, D., & Tsiknakis, M. (2023). Can the IR-UWB Radar Sensor Substitute the PSG-based Primary Vital Signs. *Thinkmind.org*, 66–71. https://www.thinkmind.org/index.php?view=article&articleid=healthinfo_2023_1_110_80057

- C3. Ntanis, A., Kontaxis, S., Rigas, G., Pentari, A., Tsiouris, K., Kontogiannis, E., Kostoulas, E., Tsimperis, I., Vlioras, T., Bousis, A., Zelilidou, S., Tasiou, K., Tsiknakis, M., & Fotiadis, D. (2023, November 13). *HealthSonar: A System for Unobtrusive Monitoring of Elders and Patients with Movement Disorders*. https://www.thinkmind.org/index.php?view=article&articleid=healthinfo_2023_1_100_80044
- C4. Skaramagkas, V., Pentari, A., Fotiadis, D. I., & Tsiknakis, M. (2023). Using the recurrence plots as indicators for the recognition of Parkinson's disease through phonemes assessment. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Annual International Conference, 2023*, 1–4. <https://doi.org/10.1109/EMBC40787.2023.10340177>
- C5. Pentari, A., Manousos, D., Kassiotis, T., Rigas, G. and Tsiknakis, M., (2023). Respiration and heartbeat rates estimation using IR-UWB non-contact radar sensor recordings: A pre-clinical study. https://ceur-ws.org/Vol-3379/HeDAI_2023_paper404.pdf
- C6. Pentari, A., Kafentzis, G., & Manolis Tsiknakis. (2022). Investigating Graph-based Features for Speech Emotion Recognition. *IEEE-EMBS International Conference on Biomedical and Health Informatics*. <https://doi.org/10.1109/BHI56158.2022.9926795>
- C7. Pentari, A., Tzagkarakis, G., Marias, K., & Panagiotis Tsakalides. (2020). Graph-based Denoising of EEG Signals in Impulsive Environments. *2021 29th European Signal Processing Conference (EUSIPCO)*, 1095–1099. <https://doi.org/10.23919/eusipco47968.2020.9287329>
- C8. Pentari, A., Tzagkarakis, G., Marias, K., & Panagiotis Tsakalides. (2020). *A Study on the Effect of Distinct Adjacency Matrices for Graph Signal Denoising*. 523–529. <https://doi.org/10.1109/bibe50027.2020.00091>
- C9. Aidini, A., Giannopoulos, M., Pentari, A., Fotiadou, K., & Tsakalides, P. (2019). *Hyperspectral image Compression and Super-Resolution using tensor Decomposition learning*. <https://www.semanticscholar.org/paper/Hyperspectral-Image-Compression-and-Using-Tensor-Aidini-Giannopoulos/9760aaa12781c6cebc0eeabac7943341d78c7633>
- C10. Pentari, A., Tsagkatakis, G., Marias, K., Manikis, G. C., Kartalis, N., Papanikolaou, N., & Tsakalides, P. (2019). Sparse Representations on DW-MRI: A Study on Pancreas. *2019 IEEE 19th International Conference on Bioinformatics and Bioengineering (BIBE)*, 791–795. <https://doi.org/10.1109/bibe.2019.00147>
- C11. Pentari, A., Konstantia Moirogiorgou, Livanos, G., Dimitra Iliopoulou, & Michalis Zervakis. (2014). *Feature analysis on river flow video data for floating tracers detection. 1*, 287–292. <https://doi.org/10.1109/ist.2014.6958490>

Παρουσιάσεις (Posters-P)

- P1. “Depression Recognition from Speech Graph-based Analysis of Speech Signals”. A. Pentari, G. Kafentzis and M. Tsiknakis, *4th Summit on Gender Equality in Computing (GEC 2022)*, Thessaloniki, Greece, June 17, 2022 (poster presentation).
- P2. “Brain networks Constructed via Cross Recurrence Quantification analysis,” A. Pentari, G. Tzagkarakis, P. Tsakalides, P. Simos, G. Bertsias, E. Kavroulakis, K. Marias, and E. Papadaki, *3rd Summit on Gender Equality in Computing (GEC 2021)*, Athens, Greece, July 2, 2021 (poster presentation).

P3. “Filtering of EEG Signals Ensembles using Graph Signal Processing Theory,” A. Pentari, G. Tzagkarakis, K. Marias, and P. Tsakalides, *1st Summit on Gender Equality in Computing (GEC 2019)*, Athens, Greece, June 7, 2019 (poster presentation)