Update date: 08/01/2024

ACADEMIC

CURRICULUM VITAE

1. Name - Surname: Ahmet Ilhan

2. Title: Dr.

3. Educational Background:

Degree	Department/Program	University	Year
Bachelor's	Computer Engineering	Near East University	2014
Master's	Computer Engineering	Near East University	2017
PhD	Computer Engineering	Near East University	2022

4. Master's / PhD Thesis

4.1.Master's Thesis Title and Thesis Advisor(s):

Brain Tumor Detection Using Intensity Adjustment Based Segmentation, Advisor: Prof. Dr. Kamil Dimililer

4.2.PhD Thesis /Medical Specialty Thesis Title and Advisor(s):

Brain Tumor Segmentation Using Non-Parametric Localization and Enhancement Methods with U-Net, Advisors: Prof. Dr. Rahib Abiyev / Doç. Dr. Boran Şekeroğlu

5. Academic Titles:

Date of Assistant Professorship:

Date of Associate Proferssorship:

Date of Professorship:

6. Supervised Master's and PhD Theses:

6.1. Master's Theses

6.2. PhD Theses

7. Publications

7.1. Articles Published in International Peer-Reviewed Journals (SCI,SSCI, AHCI, ESCI, Scopus)

Kaba, Ş., Haci, H., Isin, A., Ilhan, A., & Conkbayir, C. (2023). The application of deep learning for the segmentation and classification of coronary arteries. Diagnostics, 13(13), 2274. https://doi.org/10.3390/diagnostics13132274

Ilhan, A., Sekeroglu, B., & Abiyev, R. (2022). Brain tumor segmentation in MRI images using nonparametric localization and enhancement methods with U-net. International Journal of Computer Assisted Radiology and Surgery, 1-12. https://doi.org/10.1007/s11548-022-02566-7

Özçil, İ. E., Esenyel, İ., & İlhan, A. (2022). A Fuzzy Approach Analysis of Halloumi Cheese in N. Cyprus. Food Analytical Methods, 15(1), 10-15. https://doi.org/10.1007/s12161-021-02075-4

Sekeroglu, B., Abiyev, R., Ilhan, A., Arslan, M., & Idoko, J. B. (2021). Systematic Literature Review on Machine Learning and Student Performance Prediction: Critical Gaps and Possible Remedies. Applied Sciences, 11(22), 10907. https://doi.org/10.3390/app112210907

Abiyev, R., Arslan, M., Bush Idoko, J., Sekeroglu, B., & Ilhan, A. (2020). Identification of epileptic EEG signals using convolutional neural networks. Applied Sciences, 10(12), 4089. https://doi.org/10.3390/app10124089

7.2. **Articles Published in Other International Peer-Reviewed Journals**

7.3. Papers Presented at International Scientific Confererences and Published in Conference Proceedings

Ilhan, A., Alpan, K., Sekeroglu, B., & Abiyev, R. (2023). COVID-19 Lung CT image segmentation using localization and enhancement methods with U-Net. Procedia Computer Science, 218, 1660-1667. https://doi.org/10.1016/j.procs.2023.01.144

Ilhan, U., Ilhan, A., Uyar, K., & Iseri, E. I. (2021, October). Classification of Osmancik and Cammeo Rice Varieties using Deep Neural Networks. In 2021 5th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT) (pp. 587-590). IEEE. https://doi.org/10.1109/ISMSIT52890.2021.9604606

Işın, A., Kaba, Ş., & İlhan, A. (2020, August). A Review on Recent Deep Learning- Based Computer-Aided Systems for Breast Cancer Diagnosis. In International Conference on Theory and Applications of Fuzzy Systems and Soft Computing (pp. 289-296). Springer, Cham. https://doi.org/10.1007/978-3-030-64058-3_36

Uyar, K., Ilhan, U., Ilhan, A., & Iseri, E. I. (2020, April). Breast cancer prediction using neuro-fuzzy systems. In 2020 7th International Conference on Electrical and Electronics Engineering (ICEEE) (pp. 328-332). IEEE. https://doi.org/10.1109/ICEEE49618.2020.9102476

Uyar, K., Ilhan, U., Iseri, E. I., & Ilhan, A. (2019, October). Forecasting measles cases in Ethiopia using neuro-fuzzy systems. In 2019 3rd international symposium on multidisciplinary studies and innovative technologies (ISMSIT) (pp. 1-5). IEEE. https://doi.org/10.1109/ISMSIT.2019.8932882

İlhan, A., Kaba, Ş., & Kneebone, E. (2019, April). Vertebral Body Compression Fracture Detection. In Science and Information Conference (pp. 361-368). Springer, Cham. https://doi.org/10.1007/978-3-030-17795-9_26

Ilhan, U., & Ilhan, A. (2017). Brain tumor segmentation based on a new threshold approach. Procedia computer science, 120, 580-587. https://doi.org/10.1016/j.procs.2017.11.282

Uyar, K., & İlhan, A. (2017). Diagnosis of heart disease using genetic algorithm based trained recurrent fuzzy neural networks. Procedia computer science, 120, 588- 593. https://doi.org/10.1016/j.procs.2017.11.283

Dimililer, K., & İlhan, A. (2016). Effect of image enhancement on MRI brain images with neural networks. Procedia Computer Science, 102, 39-44. https://doi.org/10.1016/j.procs.2016.09.367

Uyar, K., & İlhan, A. (2016). Long term dry cargo freight rates forecasting by using recurrent fuzzy neural networks. Procedia Computer Science, 102, 642-647. https://doi.org/10.1016/j.procs.2016.09.455

7.4. National/international Books or Book Chapters

7.5. Articles Published in National Peer-Reviewed Journals

8. Art and Design Activities

9. Projects

10. Administrative Responsibilities

- Faculty of Engineering Website Coordinator

11. Memberships in Scientific and Professional Organizations

12. Awards

13. Undergraduate and Graduate Courses Taught in the Last Two Years

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2021-2022	Fall	Computer Programming	3	2	21
		Discrete Structures	3	0	2
		Introduction to Programming	4	2	3
		Internet Programming	3	2	21
	Spring	Computer Programming	3	2	21
		Discrete Structures	3	0	9
		Introduction to Programming	4	2	2
		Internet Programming	3	2	31
	Summer	Internet Programming	3	2	7
		Discrete Structures	3	0	1
2022-2023	Fall	Computer Programming	3	2	23
		Discrete Structures	3	0	36
		Introduction to Programming	4	2	12
		Internet Programming	3	2	19
	Spring	Computer Programming	3	2	21
		Discrete Structures	3	0	124
		Introduction to Programming	4	2	1
		Internet Programming	3	2	40
		Programming and Problem Solving	4	2	10
	Summer	Discrete Structures	3	0	2