

Res. Asst. TOLGAHAN GÜLSOY

Personal Information

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International Researcher IDs

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Education Information

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, -, Turkey 2023 - Continues

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2013 - 2019

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Software

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Yazılım Mühendisliği, 2024 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. FocalNeXt: A ConvNeXt augmented FocalNet architecture for lung cancer classification from CT-scan images**
Gülsoy T., Baykal Kablan E.
EXPERT SYSTEMS WITH APPLICATIONS, no.261, pp.1-12, 2024 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

- I. Generating Robust Adversarial Images in Medical Image Classification using GANs**
Kanca E., Gülsoy T., Ayas S., Baykal Kablan E.
2024 Innovations in Intelligent Systems and Applications Conference (ASYU), Ankara, Turkey, 16 - 18 October 2024, pp.1-5
- II. Deep Learning-Based Audio Splicing Forgery Detection Using PVTv2 Transformer**
Kanca E., Gülsoy T., Üstübioğlu A., Üstübioğlu B., Ayas S., Baykal Kablan E., Ulutaş G.
2024 Innovations in Intelligent Systems and Applications Conference (ASYU), Ankara, Turkey, 16 - 18 October 2024, pp.1-5
- III. Robust Vision Transformer Model Against Adversarial Attacks in Medical Image Classification**
Kanca E., Gülsoy T., Ayas S., Baykal Kablan E.

2024 47th International Conference on Telecommunications and Signal Processing (TSP), Praha, Czech Republic, 10 - 12 July 2024, pp.1-5

IV. Diagnosis of lung cancer based on CT scans using Vision Transformers

GÜLSOY T., Kablan E. B.

14th International Conference on Electrical and Electronics Engineering, ELECO 2023, Virtual, Bursa, Turkey, 30 November - 02 December 2023

Scientific Research / Working Group Memberships

Uygulamalı Yapay Zeka, Karadeniz Technical University, Turkey, <https://avesis.ktu.edu.tr/arastirma-grubu/aai>, 2023 - Continues

Metrics

Publication: 5

Citation (Scopus): 5

H-Index (Scopus): 1