

Assoc. Prof. RECEP SİNAN ARSLAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABG-5353-2020

ScopusID: 57205619566

Yoksis Researcher ID: 303076

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2015 - 2020

Research Areas

Information Security and Reliability, Artificial Intelligence, Computer Learning and Pattern Recognition, Software, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Kayseri University, Mühendislik, Mimarlık ve Tasarım Fakültesi, Bilgisayar Mühendisliği Bölümü, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Singer identification model using data augmentation and enhanced feature conversion with hybrid feature vector and machine learning**
Hızlısoy S., Arslan R. S., Çolakoğlu E.
EURASIP JOURNAL ON AUDIO SPEECH AND MUSIC PROCESSING, vol.2024, no.1, 2024 (SCI-Expanded)
- II. **Using an Artificial Neural Networks Approach to Assess the Links Among Environmental Protection Expenditure, Energy use and Growth in Finland**
Daşbaşı B., Burak D., Taşyürek M., Arslan R. S.
Journal of the Knowledge Economy, vol.1, pp.1-29, 2024 (SSCI)
- III. **End-to-end decision support system for sleep apnea detection and Apnea-Hypopnea Index calculation using hybrid feature vector and Machine learning**
ARSLAN R. S., ULUTAŞ H., KÖKSAL A. S., BAKIR M., Çiftçi B.
Biocybernetics and Biomedical Engineering, vol.43, no.4, pp.684-699, 2023 (SCI-Expanded)
- IV. **Tree-Based Machine Learning Techniques for Automated Human Sleep Stage Classification**
ARSLAN R. S., ULUTAŞ H., KÖKSAL A. S., BAKIR M., Çiftçi B.
Traitement du Signal, vol.40, no.4, pp.1385-1400, 2023 (SCI-Expanded)
- V. **RT-Droid: a novel approach for real-time android application analysis with transfer learning-based**

CNN models

TAŞYÜREK M., ARSLAN R. S.

JOURNAL OF REAL-TIME IMAGE PROCESSING, vol.20, no.3, 2023 (SCI-Expanded)

- VI. **Sensitive deep learning application on sleep stage scoring by using all PSG data**
ARSLAN R. S., ULUTAŞ H., KÖKSAL A. S., BAKIR M., Çiftçi B.
Neural Computing and Applications, vol.35, no.10, pp.7495-7508, 2023 (SCI-Expanded)
- VII. **Detection and classification of darknet traffic using machine learning methods Karanlık ağ trafiğinin makine öğrenmesi yöntemleri kullanılarak tespiti ve sınıflandırılması**
Uğurlu M., DOĞRU İ. A., ARSLAN R. S.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.38, no.3, pp.1737-1746, 2023 (SCI-Expanded)
- VIII. **Sleep disorder and apnea events detection framework with high performance using two-tier learning model design**
ARSLAN R. S.
PeerJ Computer Science, vol.9, pp.1-30, 2023 (SCI-Expanded)
- IX. **AMD-CNN: Android malware detection via feature graph and convolutional neural networks**
Arslan R. S., Taşyürek M.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.34, no.23, 2022 (SCI-Expanded)
- X. **FG-Droid: Grouping based feature size reduction for Android malware detection**
ARSLAN R. S.
PEERJ COMPUTER SCIENCE, vol.8, 2022 (SCI-Expanded)
- XI. **Automated sleep scoring system using multi-channel data and machine learning**
ARSLAN R. S., ULUTAŞ H., KÖKSAL A. S., BAKIR M., ciftci B.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.146, 2022 (SCI-Expanded)
- XII. **Detecting and correcting automatic speech recognition errors with a new model**
Arslan R. S., BARIŞCI N., ARICI N., Kocer S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.29, no.5, pp.2298-2311, 2021 (SCI-Expanded)
- XIII. **AndroAnalyzer: android malicious software detection based on deep learning**
ARSLAN R. S.
PEERJ COMPUTER SCIENCE, vol.7, pp.1-20, 2021 (SCI-Expanded)
- XIV. **A new classification method for encrypted internet traffic using machine learning**
Uğurlu M., DOĞRU İ. A., ARSLAN R. S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.29, no.5, pp.2450-2468, 2021 (SCI-Expanded)
- XV. **A detailed survey of Turkish automatic speech recognition**
Arslan R. S., BARIŞCI N.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.6, pp.3253-3269, 2020 (SCI-Expanded)
- XVI. **Development of Output Correction Methodology for Long Short Term Memory-Based Speech Recognition**
Arslan R. S., BARIŞCI N.
SUSTAINABILITY, vol.11, no.15, 2019 (SCI-Expanded)
- XVII. **Permission-Based Malware Detection System for Android Using Machine Learning Techniques**
Arslan R. S., DOĞRU İ. A., BARIŞCI N.
INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, vol.29, no.1, pp.43-61, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **ANN Analysis and ODE Model of Selected Factors Affecting Mental Health Problems of Children in Turkey**
Hızlısoy S., Arslan R. S., Çökük G. Ö., Daşbaşı B.
Avrupa Bilim ve Teknoloji Dergisi, no.54, pp.32-45, 2024 (Peer-Reviewed Journal)
- II. **Crime Prediction with DistilBERT-based Feature Extraction and Machine Learning**
Çolakoğlu E., Hızlısoy S., Arslan R. S.
Çukurova Üniversitesi Mühendislik Fakültesi dergisi, vol.39, no.4, pp.1067-1079, 2024 (Peer-Reviewed Journal)
- III. **Predicting and analysis of urban wastewater quantity to be treated by using Neural Network and ODE model: A case study**
Arslan R. S., Taşyürek M., Daşbaşı B., Daşbaşı T.
Environmental Research and Technology, vol.1, pp.1-10, 2024 (Peer-Reviewed Journal)
- IV. **Multi-lingual Speech Emotion Recognition System Using Machine Learning**
Çolakoğlu E., Hızlısoy S., Arslan R. S.
Selcuk University Journal of Engineering Sciences, vol.23, no.1, pp.1-11, 2024 (Peer-Reviewed Journal)
- V. **Music Genre Recognition Based on Hybrid Feature Vector with Machine Learning Methods**
HIZLISOY S., ARSLAN R. S., ÇOLAKOĞLU E.
Çukurova Üniversitesi Mühendislik Fakültesi dergisi, vol.38, no.3, pp.739-750, 2023 (Peer-Reviewed Journal)
- VI. **Text independent speaker recognition based on MFCC and machine learning**
Hızlısoy S., Arslan R. S.
SELCUK UNIVERSITY JOURNAL OF ENGINEERING SCIENCES, vol.20, no.3, pp.73-78, 2021 (Peer-Reviewed Journal)
- VII. **A Deep Learning Model for Malicious Url Filtering**
Arslan R. S.
Avrupa Bilim ve Teknoloji Dergisi, no.29, pp.122-128, 2021 (Peer-Reviewed Journal)
- VIII. **A Detailed Survey on Speech Emotion Recognition: Features and Classification Methods**
ÇOLAKOĞLU E., HIZLISOY S., ARSLAN R. S.
Avrupa Bilim ve Teknoloji Dergisi, vol.32, pp.471-483, 2021 (Peer-Reviewed Journal)
- IX. **A Detection Method for Malicious Web Pages using Doc2vec Model and Machine Learning**
Arslan R. S.
Avrupa Bilim ve Teknoloji Dergisi, no.27, pp.792-801, 2021 (Peer-Reviewed Journal)
- X. **FastTrafficAnalyzer: An Efficient Method for Intrusion Detection Systems to Analyze Network Traffic**
Arslan R. S.
Dicle Üniversitesi Mühendislik Fakültesi, vol.12, no.4, pp.565-572, 2021 (Peer-Reviewed Journal)
- XI. **AFWDroid: Deep Feature Extraction and Weighting for Android Malware Detection**
Arslan R. S., Ölmez E., Er O.
Dicle Üniversitesi Mühendislik Fakültesi, vol.12, no.2, pp.237-245, 2021 (Peer-Reviewed Journal)
- XII. **Grading Brain Histopathological Images Using Deep Residual Networks and Support Vector Machine**
Yurttakal A. H., Erbay H., Arslan R. S.
Electronic Letters on Science and Engineering, vol.16, no.2, pp.77-83, 2020 (Peer-Reviewed Journal)
- XIII. **Brain Tumor Classification Using Deep Neural Network**
Çınarer G., Emiroğlu B. G., Arslan R. S., Yurttakal A. H.
Advances in Science, Technology and Engineering Systems Journal, vol.5, no.5, pp.765-769, 2020 (Scopus)
- XIV. **K-nearest neighbour classifier usage for permission based malware detection in android**
Arslan R. S., Yurttakal A. H.
ICONTECH INTERNATIONAL JOURNAL OF SURVEYS, ENGINEERING, TECHNOLOGY, vol.4, no.2, pp.15-27, 2020 (Peer-Reviewed Journal)
- XV. **Permisson Comparison Based Malware Detection System for Android Mobile Applications**
Arslan R. S., Doğru İ. A., Barışçı N.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.20, no.1, pp.175-189, 2017 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **Identify Type of Android Malware with Machine Learning Based Ensemble Model**
Arslan R. S.
2021 5th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkey, 21 - 23 October 2021, pp.1-5
- II. **Comparison of Feature Selection Methods in Security Analysis of Android**
Arslan R. S.
2021 6th International Conference on Computer Science and Engineering (UBMK), Ankara, Turkey, 15 - 17 September 2021, pp.1-5
- III. **AUTOMATIC MUSIC GENRE RECOGNITION MODEL BASED ON MACHINE LEARNING**
Arslan R. S.
Uluslararası Sanat ve Tasarım Arařtırmaları Kongresi ve Sergisi, Niğde, Turkey, 21 - 23 June 2021, pp.1591-1598
- IV. **The Effect of Different Optimization Techniques on End-to-End Turkish Speech Recognition Systems that use Connectionist Temporal Classification**
ARSLAN R. S., Barissi N.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2018, Kizilcahamam, Ankara, Turkey, 19 - 21 October 2018

Supported Projects

ARSLAN R. S., Project Supported by Higher Education Institutions, Statik analiz tabanlı hibrit özellik vektörü ile Android kötücül yazılım tespit modeli, 2022 - 2023

Metrics

Publication: 40
Citation (WoS): 123
Citation (Scopus): 170
H-Index (WoS): 7
H-Index (Scopus): 7

Non Academic Experience

Radyo ve Televizyon Üst Kurulu, Üst Kurul Uzmanı
Çalışma ve Sosyal Güvenlik Bakanlığı, İş Müfettiři
Högskolan i Halmstad, Lisans Eğitimi (Major in Computer Science and Engineering)