

Asst. Prof. Oğuz Emre Kural

Personal Information

Office Phone: [+90 362 312 1919](tel:+903623121919) Extension: 1956

Email: oguz.kural@omu.edu.tr

Web: <https://avesis.omu.edu.tr/oguz.kural>

International Researcher IDs

ScholarID: KL5PyzAAAAAJ

ORCID: 0000-0002-8406-4823

Publons / Web Of Science ResearcherID: HZI-6223-2023

Yoksis Researcher ID: 240336

Education Information

Doctorate, Ondokuz Mayıs University, Lisansüstü Eğitim Enstitüsü, Hesaplamalı Bilimler Anabilim Dalı, Turkey 2017 - 2023

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2014 - 2017

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2008 - 2013

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Android malware detection using audio and image data transformation, Ondokuz Mayıs University, Lisansüstü Eğitim Enstitüsü, Hesaplamalı Bilimler Anabilim Dalı, 2023

Postgraduate, Çocukların el çizimi şekillerinin tanınması ve çizim başarılarının değerlendirilmesi, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), 2017

Research Areas

Computer Sciences, algorithms, Artificial Intelligence, Computer Learning and Pattern Recognition, Software Engineering, Engineering and Technology

Academic Titles / Tasks

Lecturer, Ondokuz Mayıs University, Çarşamba Ticaret Borsası Meslek Yüksekokulu, Bilgisayar Teknolojileri Bölümü, 2019 - 2024

Research Assistant, Ondokuz Mayıs University, Siber Güvenlik Ve Bilişim Teknolojileri Uygulama Ve Araştırma Merkezi, 2018 - 2019

Research Assistant, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, 2015 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A novel permission-based Android malware detection system using feature selection based on linear regression**
Şahin D. Ö., Kural O. E., Akleylek S., Kılıç E.
NEURAL COMPUTING & APPLICATIONS, vol.35, no.7, pp.4903-4918, 2023 (SCI-Expanded)
- II. **A novel Android malware detection system: adaption of filter-based feature selection methods**
Şahin D. Ö., Kural O. E., Akleylek S., Kılıç E.
JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING, vol.14, pp.1243-1257, 2023 (SCI-Expanded)
- III. **Apk2Audio4AndMal: Audio Based Malware Family Detection Framework**
Kural O. E., Kılıç E., Aksac C.
IEEE ACCESS, vol.11, pp.27527-27535, 2023 (SCI-Expanded)
- IV. **Permission-based Android malware analysis by using dimension reduction with PCA and LDA**
Şahin D. Ö., Kural O. E., Akleylek S., Kılıç E.
JOURNAL OF INFORMATION SECURITY AND APPLICATIONS, vol.63, 2021 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Apk2Img4AndMal: Android Malware Detection Framework Based on Convolutional Neural Network**
Kural O. E., Şahin D. Ö., Akleylek S., Kılıç E., Ömüral M.
6th International Conference on Computer Science and Engineering, UBMK 2021, Ankara, Turkey, 15 - 17 September 2021, pp.731-734
- II. **Comparison of Term Weighting Techniques in Spam SMS Detection**
Kural O. E., Demirci S.
28th Signal Processing and Communications Applications Conference (SIU), ELECTRA NETWORK, 5 - 07 October 2020
- III. **Comparison of Regression Methods in Permission Based Android Malware Detection**
Şahin D. Ö., Kural O. E., Akleylek S., Kılıç E.
28th Signal Processing and Communications Applications Conference (SIU), ELECTRA NETWORK, 5 - 07 October 2020
- IV. **Permission Weighting Approaches in Permission Based Android Malware Detection**
Kural O. E., Şahin D. Ö., Akleylek S., Kılıç E.
4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.134-139
- V. **New Results on Permission Based Static Analysis for Android Malware**
Şahin D. Ö., Kural O. E., Akleylek S., Kılıç E.
6th International Symposium on Digital Forensic and Security (ISDFS), Antalya, Turkey, 22 - 25 March 2018, pp.340-343
- VI. **A Text Classification Application: Poet Detection from Poetry**
ŞAHİN D. Ö., KURAL O. E., KILIÇ E., KARABİNA A.
International Conference on Engineering Technologies (ICENTE17), Konya, Turkey, 7 - 09 December 2017, pp.228-230
- VII. **COMPARISON OF STATISTICAL NORMALIZATION TECHNIQUES ON SPEAKERS HEIGHT ESTIMATION**
KARABİNA A., ŞAHİN D. Ö., KURAL O. E., KILIÇ E.
Computational and Statistical Methods in Applied Sciences (COSTAS 2017), Samsun, Turkey, 9 November - 11 December 2017, pp.201-202
- VIII. **COMPARISON OF REGRESSION METHODS ON SPEAKERS HEIGHT ESTIMATION**
KARABİNA A., KURAL O. E., ŞAHİN D. Ö., KILIÇ E.
Computational and Statistical Methods in Applied Sciences (COSTAS 2017), Samsun, Turkey, 7 November - 09

December 2017, pp.204-205

IX. Modified Arithmetic Circuits for Galois Rings

KURAL O. E., ŞAHİN D. Ö., AKLEYLEK S., ALKİM E.

3rd International Conference on Engineering and Natural Sciences (ICENS 2017), Budapest, Hungary, 3 - 07 May 2017, pp.327

X. Strassen-like 2x2 Matrix Squaring Revisited

AKLEYLEK S., ŞAHİN D. Ö., KURAL O. E.

3rd International Conference on Engineering and Natural Sciences (ICENS 2017), Budapest, Hungary, 3 - 07 May 2017, pp.421

XI. Machine Learning Based Interactive Drawing Platform

Kural O. E., Kılıç E.

25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

XII. Intelligent Mobile Drawing Platform

Kural O. E., Kılıç E.

24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1765-1768

Supported Projects

Kural O. E., Dilmen F., Işık İ., Erasmus Project, BasicEdu- Temel Eğitim Yoluyla Dezavantajlı Kadınların Yetkinliklerinin Güçlendirilmesi İçin Model Geliştirme, 2020 - 2022