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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: GIR-8335-2022

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Education Information

Doctorate, Ankara Yildirim Beyazit University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr) (İngilizce), Turkey 2014 - 2020

Undergraduate, Anadolu University, İktisat Fakültesi, Siyaset Bilimi Ve Kamu Yönetimi Bölümü, Turkey 2010 - 2018

Postgraduate, Bilecik Seyh Edebali University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2009 - 2013

Undergraduate, Balıkesir University, Necatibey Faculty Of Education, Department Of Computer And Education Technologies Education, Turkey 2004 - 2008

Dissertations

Doctorate, HYBRID INTELLIGENT CLASSIFICATION TECHNIQUE FOR HIGH-RESOLUTION SAR (SYNTHETIC APERTURE RADAR) IMAGES, Ankara Yildirim Beyazit University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr) (İngilizce), 2020

Postgraduate, Moleküler modelleme metodu ile nesnelerin hacimsel olarak modellenmesi ve deformasyonu, Bilecik Seyh Edebali University, FEN BİLİMLERİ ENSTİTÜSÜ, Bilgisayar Mühendisliği (YI) (Tezli), 2013

Research Areas

Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition, Software

Academic Titles / Tasks

Assistant Professor, Bilecik Seyh Edebali University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2022 - Continues

Lecturer, Bursa Technical University, Rectorate, IT Department, 2021 - 2022

Lecturer, Bursa Technical University, Distance Education Application and Research Center, 2020 - 2020

Lecturer, Bilecik Seyh Edebali University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2010 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A new classification approach with deep mask R-CNN for synthetic aperture radar image segmentation**
YAYLA R., ŞEN B.
Elektronika ir Elektrotechnika, vol.26, no.6, pp.52-57, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Prototype Study on YOLOv10-Based Bird Gesture Recognition**
YAYLA R.
International Journal of Multidisciplinary Studies and Innovative Technologies, vol.8, no.2, pp.76-80, 2024 (Peer-Reviewed Journal)
- II. **New Summary Text Generation from Long Texts With BiLSTM Deep Learning Method**
Şahin O., Yayla R.
Karadeniz Fen Bilimleri Dergisi, vol.14, no.3, pp.1096-1119, 2024 (Peer-Reviewed Journal)
- III. **Vehicle Detection from Unmanned Aerial Images with Deep Mask R-CNN**
YAYLA R., Albayrak E., YÜZGEÇ U.
Computer Science Journal of Moldova, vol.30, no.2, pp.148-169, 2022 (ESCI)
- IV. **Determining of The User Attitudes on Mobile Security Programs with Machine Learning Methods**
YAYLA R., BİLGİN T. T.
INFORMATICA : JOURNAL OF COMPUTING AND INFORMATICS, vol.45, pp.393-403, 2021 (ESCI)
- V. **A Classification Approach with Machine Learning Methods for Technical Problems of Distance Education: Turkey Example**
YAYLA R., YAYLA H. N., ORTAÇ G., BİLGİN T. T.
OPEN PRAXIS, vol.13, no.3, 2021 (ESCI)
- VI. **A Research on Encryption Methods and Account Security**
YAYLA R., ÜÇGÜN H., TUNÇER S.
Academic Perspective Procedia, vol.3, no.1, pp.385-394, 2020 (Peer-Reviewed Journal)
- VII. **Development of Microcontroller Based Two Stage Student Attendance Management System**
ÜÇGÜN H., ENES İ., YÜZGEÇ U., YAYLA R.
Academic Perspective Procedia, vol.1, no.1, pp.429-437, 2018 (Peer-Reviewed Journal)

Books

- I. **User Reactions About Wildfires on Twitter**
YAYLA R., BİLGİN T. T.
in: Social Informatics and Telecommunications Engineering - Lecture Notes of the Institute for Computer Sciences, Seyman Muhammet Nuri, Editor, Springer, Bandırma, pp.3-14, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Smart Wheelchair System with Arduino Nano**
Yayla R., Bektaş M.
5. Uluslararası Mühendislik Araştırmaları Sempozyumu, Düzce, Turkey, 7 - 09 March 2024, pp.142
- II. **LOJİSTİK REGRESYONUNUN UYGULAMA ALANLARI VE ÖRNEK BİR ÇALIŞMA**
ÇAKIR F., YAYLA R.
Uluslararası Veri Bilimi ve Güvenliği Konferansı (ICDASS2023), Erzurum, Turkey, 6 - 07 July 2023

- III. **COMPARATIVE STUDY ON SENTIMENT ANALYSIS FROM PRODUCT REVIEWS WITH NATURAL LANGUAGE PROCESSING TECHNIQUES**
Mallı B. B., YAYLA R.
Uluslararası Veri Bilimi ve Güvenliği Konferansı (ICDASS2023), Erzurum, Turkey, 6 - 07 July 2023
- IV. **PATTERN RECOGNITION FOR HUMAN HAND DETECTION BY USING SUPPORT VECTOR MACHINE (SVM)**
JBRIL A. A., ERRAMAH M., YAYLA R.
Uluslararası Veri Bilimi ve Güvenliği Konferansı (ICDASS2023), Erzurum, Turkey, 6 - 07 July 2023
- V. **Yapay Sinir Ağları ile Yük Talep Tahmini Çalışması**
Biçer A., Yayla R.
3. Uluslararası Lisansüstü Çalışmalar Kongresi, Bilecik, Turkey, 14 June 2023, pp.133-141
- VI. **MASK R-CNN İLE İHA GÖRÜNTÜLERİNDEN ARAÇ TESPİTİ**
ALBAYRAK E., YAYLA R., YÜZGEÇ U.
Uluslararası Bilimsel Araştırmalar ve Yenilikçi Çalışmalar Sempozyumu (ISSRIS'21), BANDIRMA, Turkey, 22 - 25 February 2021
- VII. **Şifreleme Yöntemleri ve Hesap Güvenliği Üzerine Bir Araştırma**
YAYLA R., ÜÇGÜN H., TUNÇER S.
The 8th International Symposium on Innovative Technologies in Engineering and Science (ISITES2020), Bursa, Turkey, 23 - 25 October 2020, vol.3, pp.385-394
- VIII. **Region-based Segmentation of Terrain Fields in SAR Images**
YAYLA R., ŞEN B.
28. IEEE SİNYAL İŞLEME ve İLETİŞİM UYGULAMALARI KURULTAYI, Gaziantep, Turkey, 5 - 07 October 2020
- IX. **QR Kod Kullanılarak Raspberry Pi Tabanlı Robot Uygulaması: QR-Robot**
ÇOBAN M. E., ÇUBUKÇU B., YAYLA R., YÜZGEÇ U.
UBMK2019, International Conference on Computer Science and Engineering, Samsun, Turkey, 11 - 15 September 2019, pp.119-123
- X. **Hand Exercise Applications Based on Microcontroller using Unity 3D Platform For Paralytic Patients**
BÜŞRA NUR G., ÇUBUKÇU B., YAYLA R., YÜZGEÇ U.
The 8th International Conference on Advanced Technologies (ICAT'19), SARAYBOSNA, Bosnia And Herzegovina, 26 - 30 August 2019, pp.342-347
- XI. **Research on Region-Based Convolutional Neural Network for Semantic Segmentation**
YAYLA R., ŞEN B.
8th International Conference on Advanced Technologies, Sarajevo, Bosnia And Herzegovina, 26 - 30 August 2019, pp.244-249
- XII. **Raspberry Pi Based Robot Application using QR Code: QR-Robot QR Kod Kullanılarak Raspberry Pi Tabanlı Robot Uygulaması: QR-Robot**
Coban M. E., ÇUBUKÇU B., YAYLA R., YÜZGEÇ U.
4th International Conference on Computer Science and Engineering, UBMK 2019, Samsun, Turkey, 11 - 15 September 2019, pp.119-123
- XIII. **Development of Microcontroller based Two Stage Student Attendance Management System**
ÜÇGÜN H., İLERİ E., YÜZGEÇ U., YAYLA R.
6th International Symposium on Innovative Technologies in Engineering and Science (ISITES2018), 9 - 11 November 2018, pp.429-437
- XIV. **Observing Of The Euro Sales Changes By The Exchange Rate Changes Based On Monte Carlo Simulation Method With Cuda**
YAYLA R., ŞEN B.
ISITES15, Valencia, Spain, 3 - 05 June 2015
- XV. **Hacimsel Moleküler Modellemede Kütle Yay Sisteminin Kullanımı**
YAYLA R., DUYSAK A.
Akademik Bilişim Konferansı'13, Antalya, Turkey, 23 - 25 January 2013
- XVI. **Bilecik Üniversitesi Moodle Uzaktan Öğretim Sistemi**

YAYLA R.

Akademik Bilişim Konferansı'12, Uşak, Turkey, 1 - 03 February 2012