

Asst. Prof. CANAN TAŞTİMUR TEMİZ

Personal Information

Email: ctastimur@erzincan.edu.tr

Web: <https://avesis.ebyu.edu.tr/ctastimur>

International Researcher IDs

ORCID: 0000-0002-3714-6826

Yoksis Researcher ID: 224910

Education Information

Doctorate, Firat University, Institute Of Science, Bilgisayar Mühendisliği, Turkey 2017 - 2022

Postgraduate, Firat University, Institute Of Science, Bilgisayar Mühendisliği, Turkey 2014 - 2017

Undergraduate, Firat University, Faculty Of Engineering, Bilgisayar Mühendisliği, Turkey 2009 - 2013

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Eğitimcilerin Eğitimi Sertifika Programı, Erzincan Binali Yıldırım Üniversitesi Sürekli Eğitim Uygulama ve Araştırma Merkezi, 2022

Dissertations

Doctorate, Yüksek benzerlikli nesnelerin makine öğrenmesi tabanlı sınıflandırılması, Firat University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2022

Postgraduate, Demiryollarında ray yüzeyleri, makas geçişleri ve hemzemin geçitlerin durum tespiti için görme tabanlı yöntemlerin geliştirilmesi, Firat University, Faculty Of Engineering, Department Of Computer Engineering, 2017

Academic Titles / Tasks

Research Assistant, Erzincan Binali Yıldırım University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, 2015 - Continues

Courses

Algoritma ve Programlama-1, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **GMRNet: A Novel Geometric Mean Relation Network for Few-Shot Very Similar Object Classification**
TAŞTİMUR C., Akin E.
IEEE Access, vol.10, pp.97360-97369, 2022 (SCI-Expanded)
- II. **Fastener Classification Using One-Shot Learning with Siamese Convolution Networks**
Taştımur C., Akin E.
Journal Of Universal Computer Science, vol.28, no.1, pp.80-97, 2022 (SCI-Expanded)
- III. **Knitting Machinery Spare Classification using Deep Learning with Differential Privacy**
TAŞTİMUR C., Kasap S., AKIN E.
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, vol.80, no.7, pp.570-581, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Anomaly Detection in Yarn Tension Signal Using Independent Component Analysis**
Taştımur Temiz C., Ağriki M., Akin E.
Turkish Journal of Science and Technology, vol.18, no.2, pp.33-43, 2023 (Peer-Reviewed Journal)
- II. **A Hybrid Classification Approach for Fasteners Based on Transfer Learning with Fine-Tuning and Deep Features**
Taştımur Temiz C., Akin E.
Turkish Journal of Science and Technology, vol.18, no.2, pp.461-475, 2023 (Peer-Reviewed Journal)
- III. **Virtual Sensors and Its Applications in Smart City**
Taştımur C., Akin E.
International Journal of Scientific Engineering and Applied Science (IJSEAS), vol.6, no.9, pp.90-97, 2020 (Peer-Reviewed Journal)
- IV. **Development of Programmable Camera-Trap**
Karaköse M., Taştımur C., Özdemir S., Erol M., Tokgöz A., Akin E.
International Journal of Computer Trends and Technology (IJCTT), vol.68, no.6, pp.64-69, 2020 (Peer-Reviewed Journal)
- V. **An Information Extraction Approach with Vehicle and Pedestrian Activity Monitoring for Traffic Management in Smart City**
TAŞTİMUR C., Karaköse M., Akin E.
International Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT), vol.3, no.5, pp.256-262, 2017 (Non Peer-Reviewed Journal)
- VI. **Image Processing Based Level Crossing Detection and Foreign Objects Recognition Approach in Railways**
Taştımur C., Karaköse M., Akin E.
International Journal of Applied Mathematics, Electronics and Computers(IJAMEC), vol.5, pp.19-23, 2017 (Non Peer-Reviewed Journal)
- VII. **Rail Defect Detection and Classification with Real Time Image Processing Technique**
Taştımur C.
International Journal of Computer Science and Software Engineering (IJCSSE), vol.5, no.12, pp.283-290, 2016 (Peer-Reviewed Journal)
- VIII. **A Vision Based Condition Monitoring Approach for Rail Switch and Level Crossing using Hierarchical SVM in Railways**
Taştımur C., Karakose M., Akin E.
International Journal of Applied Mathematics, Electronics and Computers (IJAMEC), vol.4, pp.319-325, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **DEEP LEARNING-BASED CLASSIFICATION OF VERY SIMILAR FASTENERS**
Taştımur Temiz C.
5TH INTERNATIONAL BLACK SEA MODERN SCIENTIFIC RESEARCH CONGRESS, 8 - 10 November 2023, pp.879-894
- II. **A New Bearing Fault Diagnosis Method using Envelope based Feature Extraction**
TAŞTİMUR TEMİZ C., KARAKÖSE M., AYDIN İ., AKIN E.
2021 Innovations in Intelligent Systems and Applications Conference (ASYU), Elazığ, Turkey, 06 October 2021
- III. **A Novel Method Based on Deep Learning and Image Processing Techniques for Wearing Inspection on the Pantograph Surface**
TAŞTİMUR TEMİZ C., KARADUMAN G., AKIN E.
2021 Innovations in Intelligent Systems and Applications Conference (ASYU), Elazığ, Turkey, 06 October 2021
- IV. **Vibration Signal Processing Based Bearing Defect Diagnosis with Transfer Learning**
Taştımur C., Karaköse M., Akın E.
2019 1st International Informatics and Software Engineering Conference (UBMYK), Ankara, Turkey, 6 - 07 November 2019, pp.1-5
- V. **Defect Diagnosis of Rolling Element Bearing using Deep Learning**
Taştımur C., Karaköse M., Aydın İ., Akın E.
Defect Diagnosis of Rolling Element Bearing using Deep Learning, Malatya, Turkey, 28 - 30 September 2018, pp.1-5
- VI. **Information Extraction on Time Series Data Using Deep Learning Techniques**
Taştımur C., Karaköse M., Aydın İ., Akın E.
7th International Conference on Advanced Technologies (ICAT), Antalya, Turkey, 28 April - 01 May 2018, pp.489-494
- VII. **A Fuzzy Based Matching Algorithm for Optimized Keypoints in Image Mosaicing**
Yetiş H., TAŞTİMUR C., Müezzinoğlu T., Karaköse M.
The 5th International Fuzzy Systems Symposium (FUZZYSS'17), Ankara, Turkey, 14 - 15 October 2017, pp.106
- VIII. **Hierarchical Fuzzy System Based Classification Approach for Railway Components Using Vision Inspection**
TAŞTİMUR C., Karaköse M., Akın E.
The 5th International Fuzzy Systems Symposium (FUZZYSS'17), Ankara, Turkey, 14 - 15 October 2017, pp.12
- IX. **A Vision Based Traffic Light Detection and Recognition Approach for Intelligent Vehicles**
Özcelik Z., Taştımur C., Karaköse M., Akın E.
(UBMK'17) 2nd International Conference on Computer Science and Engineering, Antalya, Turkey, 4 - 07 October 2017, pp.450-455
- X. **A Real Time Interface for Vision Inspection of Rail Components and Surface in Railways**
Taştımur C., Yaman O., Karaköse M., Akın E.
International Conference on Artificial Intelligence and Data Processing (IDAP17), Malatya, Turkey, 16 - 17 September 2017, pp.1-4
- XI. **A Vision Based Detection Approach for Level Crossing and Switch in Railway**
Taştımur C., Karaköse M., Akın E.
International Conference on Advanced Technology & Sciences, ICAT'16, Konya, Turkey, 11 September 2017, pp.217-223
- XII. **Improvement of relative accreditation methods based on data mining and artificial intelligence for higher education**
Taştımur C., Karaköse M., Akın E.
Information Technology Based Higher Education and Training (ITHET), 2016 15th International Conference on, İstanbul, Turkey, 08 September 2017, pp.1-7
- XIII. **Detection of Foreign Objects in Railway Level Crossings Using Image Processing Techniques**
Taştımur C., Karaköse M., Akın E.
International Conference on Advanced Technology & Sciences (ICAT'17), İstanbul, Turkey, 5 - 07 September 2017, pp.68-73

- XIV. **A comparison study of rail fault detection methods in the literature**
TAŞTİMUR C., Karaköse M., Akın E.
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 11 - 13 May 2017, pp.987-992
- XV. **Rail defect detection with real time image processing technique**
Taştımur C., Karaköse M., Akın E.
Industrial Informatics (INDIN), 2016 IEEE 14th International Conference on, Poitiers, France, 14 - 16 July 2016, pp.411-415
- XVI. **Image processing based traffic sign detection and recognition with fuzzy integral**
Taştımur C., Karaköse M., Akın E.
2016 International Conference on Systems, Signals and Image Processing (IWSSIP), Bratislava, Slovakia, 23 - 25 May 2016, pp.1-4
- XVII. **Morfolojik Özellik Çıkarımı Kullanan Görüntü İşleme Tabanlı Ray Arızalarının Tespiti**
TAŞTİMUR C., AKIN E., KARAKÖSE M., AYDIN İ.
SIU 2015, Turkey, 16 - 19 May 2015
- XVIII. **Detection of Rail Faults Using Morphological Feature Extraction Based Image Processing**
Tastımur C., Akın E., Karakose M., Aydın I.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1244-1247

Other Publications

- I. **Demiryollarında Ray Yüzeyleri, Makas Geçişleri ve Hemzemin Geçitlerin Durum Teşhisi için Görme Tabanlı Yöntemlerin Geliştirilmesi**
TAŞTİMUR C.
Other, pp.133, 2017

Scientific Refereeing

MEASUREMENT,, SCI Journal, November 2017

International Journal of Computers and Applications, Other Indexed Journal, October 2017

Metrics

Publication: 30

Citation (WoS): 44

Citation (Scopus): 91

H-Index (WoS): 4

H-Index (Scopus): 5