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Personal Information

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Education Information

Doctorate, Abdullah Gul University, Mühendislik Fakültesi, Elektrik ve Bilgisayar, Turkey 2017 - 2021
Postgraduate, City University, London, Biomedical Engineering and Healthcare Technology Management, Biomedical Engineering, United Kingdom 2014 - 2015
Undergraduate, Erciyes University, Mühendislik Fakültesi, Biyomedikal Mühendisliği, Turkey 2009 - 2013

Certificates, Courses and Trainings

Vocational Training, MEDİKAL UYGULAMALARDA GÖRÜNTÜLEME ULUSLARARASI YAZ OKULU, BÜKREŞ POLİTEKNİK ÜNİVERSİTESİ, 2019
IT, KUZEYBATIDA YAPAY ÖĞRENME YAZ OKULU, Koç Üniversitesi, 2019

Dissertations

Doctorate, Mining Colonoscopy Images for Abnormality Detection, Abdullah Gul University, Mühendislik Fakültesi, Elektrik ve Bilgisayar Mühendisliği, 2020
Postgraduate, Shape - based computer aided polyp detection of colonoscopy images using matlab, City University, London, Biomedical Engineering with Healthcare Technology Management, Biomedical Engineering, 2015

Research Areas

Computer Sciences, Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition, Biomedical Image Processing

Academic Titles / Tasks

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2022 - Continues

Courses

GENEL PROGRAMLAMAYA GİRİŞ II, Undergraduate, 2023 - 2024

BIOMEDICAL IMAGE PROCESSING, Undergraduate, 2022 - 2023
MEDICAL IMAGING SYSTEMS, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

I.   **A comprehensive study on automatic non-informative frame detection in colonoscopy videos**
     Kaçmaz R. N., Doğan R. S., Yılmaz B.
     INTERNATIONAL JOURNAL OF IMAGING SYSTEMS AND TECHNOLOGY, vol.34, no.1, pp.1-12, 2024 (SCI-Expanded)
II. **Effect of interpolation on specular reflections in texture-based automatic colonic polyp detection**
     Kacmaz R. N., YILMAZ B., AYDIN Z.
     INTERNATIONAL JOURNAL OF IMAGING SYSTEMS AND TECHNOLOGY, vol.31, no.1, pp.327-335, 2021 (SCI-Expanded)

Articles Published in Other Journals

I.   **Benchmarking Deep Learning Models for Dermatological Image Analysis: EfficientNet Takes the Lead**
     Kaçmaz R. N., Doğan R. S.
     Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.40, no.2, pp.383-393, 2024 (Peer-Reviewed Journal)
II. **Motion artifact detection in colonoscopy images**
     Kacmaz R. N., Yılmaz B., Dündar M. S., Dogan S.
     EUROBIOTECH JOURNAL, vol.2, no.3, pp.171-175, 2018 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I.   **SEGMENTATION OF THE FIBROTIC REGION IN INTERSTITIAL LUNG FİBROZİS (ILF) DISEASE USING MORPHOLOGICAL METHODS**
     Çelikzencir E., İçer S., Karabıyık Ö., Kaçmaz R. N., Tutar N.
     3. BİLSEL INTERNATIONAL TRUVA SCIENTIFIC RESEARCHES and INNOVATION CONGRESS , Çanakkale, Turkey, 25 - 26 May 2024, pp.341-346
II. **DERİN ÖĞRENME ALGORİTMASI YOLO İLE BEYİN TÜMÖRÜ SINIFLANDIRILMASI**
     ÜNLÜLEBLEBİCİ S., KAÇMAZ R. N., ÖZTÜRK C.
     I. BİLSEL INTERNATIONAL ÇATALHÖYÜK SCIENTIFIC RESEARCHES CONGRESS, Turkey, 28 - 29 October 2023
III. **Detection of Variation Instances on Colonoscopy Videos using Structural Similarity Index Yapisal Benzerlik İndeksini Kullanarak Kolonoskopi Videolarinda Değişim Anlarinin Belirlenmesi**
     Kaçmaz R. N., YILMAZ B.
     2018 Medical Technologies National Congress, TIPTEKNO 2018, Magusa, Cyprus (Gkry), 8 - 10 November 2018
IV. **Detection of Ulcerative Colitis from Colonoscopy Images Kolonoskopi Görüntülerinden Otomatik Ülseratif Kolit Teşhisi**
     Kaçmaz R. N., YILMAZ B.
     2018 Medical Technologies National Congress, TIPTEKNO 2018, Magusa, Cyprus (Gkry), 8 - 10 November 2018
V.   **Automatic Blurry Colon Image Detection Using Laplacian Operator Based Features**
     Yılmaz B., Kaçmaz R. N., Dündar M. S.
     European Biotechnology Congress 2018, Athens, Greece, 26 - 28 April 2018, vol.280, pp.24
VI. **Effect of bilinear interpolation on the texture analysis of colonoscopy images Kolonoskopi görüntölerinde bilineer interpolasyonun tekstör analizine etkisi**
     Kacmaz R. N., YILMAZ B.
     2017 Medical Technologies National Conference, TIPTEKNO 2017, Trabzon, Turkey, 12 - 14 October 2017, vol.2017-January, pp.1-4

VII.   **Epilepsy Diagnosis with Wavelet Transform and Entropy Value**
        ALTINKAYNAK M., KAÇMAZ R. N., GÜVEN A., LATİFOĞLU F.
        tıp tekno, 01 October 2013

Metrics

Publication: 11
Citation (WoS): 3
Citation (Scopus): 1
H-Index (WoS): 1
H-Index (Scopus): 1