

Asst. Prof. CEYDA NUR ÖZTÜRK

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: R-4412-2018

ScopusID: 56567596600

Yoksis Researcher ID: 273208

Education Information

Doctorate, Yildiz Technical University, Faculty Of Electrical & Electronics, Bilgisayar Mühendisliği Bölümü, Turkey 2012 - 2016

Undergraduate, Fatih University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2015 - 2015

Postgraduate, Fatih University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2010 - 2012

Dissertations

Doctorate, 3-D automatic segmentation and modelling of cartilage compartments in high-field magnetic resonance images of the knee joint, Yildiz Technical University, Elektrik-Elektronik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2016

Postgraduate, Vision-based autonomous navigator, Fatih University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2012

Research Areas

Image Processing, Performance Modelling and Evaluation, Complexity Theory, Sorting and Searching, Computer Graphics, Information Visualization, Computer Graphics, Computer Vision, 3D Impressions, Computer Vision, Data Representation and Storage, Data Structures, Artificial Intelligence, Computer Learning and Pattern Recognition, Uncertainty Management, Computer Learning, Fuzzy Sets and Systems, Pattern Recognition and Image Processing, Neural Networks, Biomedical Image Processing

Academic Titles / Tasks

Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, BİLGİSAYAR MÜHENDİSLİĞİ, 2017 - Continues

Academic and Administrative Experience

Deputy Head of Department, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, BİLGİSAYAR MÜHENDİSLİĞİ, 2023 - Continues

Courses

Advanced Algorithm Design and Analysis, Doctorate, 2022 - 2023

Artificial Intelligence Theory, Postgraduate, 2020 - 2021

Research Techniques and Publication Ethics in Computer Engineering, Postgraduate, 2019 - 2020

Computer Vision, Postgraduate, 2019 - 2020

Data Management and File Structures, Undergraduate, 2019 - 2020

Computer Networks, Undergraduate, 2019 - 2020

Advising Theses

Öztürk C. N., Bilgisayarlı tomografi görüntüleri üzerinde Covid-19 enfeksiyonu için evrişimli sinir ağı mimarileri ve ilgi blokları ile bölütleme, Postgraduate, A.EKMEKÇİ(Student), 2023

Öztürk C. N., Multiple object tracking with data association and correlation filter based on convolutional neural network features, Postgraduate, E.ARSLAN(Student), 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Automatic segmentation of cartilage in high-field magnetic resonance images of the knee joint with an improved voxel-classification-driven region-growing algorithm using vicinity-correlated subsampling**
Ozturk C. N., Albayrak S.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.72, pp.90-107, 2016 (SCI-Expanded)
- II. **Reinforcement learning-based mobile robot navigation**
ALTUNTAŞ N., İmal E., Emanet N., Ozturk C. N.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.3, pp.1747-1767, 2016 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Multiple Small-Scale Object Detection in Aerial Vehicle Images using Standard or Optimized YOLO Detectors**
KAYMAKCI Z. E., AKARSU M., ÖZTÜRK C. N.
The 17th International Conference on Innovations in Intelligent Systems and Applications, Hammamet, Tunisia, 20 September 2023
- II. **Navigation Patterns of a Hybrid Scanning Agent using Uninformed and Informed Search Algorithms for Reactive and Deliberative Behaviors**
ÇORUH H., ÇİVİOĞLU İ. N., ÖZTÜRK C. N.
International Conference on Computer Science and Engineering (UBMK), Ankara, Turkey, 15 September 2021
- III. **Nesne Takibi Yöntemlerinin Karşılaştırması ve Çekirdek Korelasyon Filtresinin Farklı Görünüm Modelleri ile Performans Analizi**
MUSAOĞLU E., ÖZTÜRK C. N.
IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU), İstanbul, Turkey, 09 June 2021
- IV. **Segmentation of Femoral Cartilage with a Hybrid Method Combining Voxel Classification and Active Appearance Models**

ÖZTÜRK C. N., Albayrak S.

3rd International Conference on Biomedical Imaging, Signal Processing (ICBSP), Bari, Italy, 11 - 13 October 2018, pp.57-63

V. Harris Köşe Bulma Algoritmasının Hacimsel Görüntüler için Uygulanması

ÖZTÜRK C. N., ALBAYRAK S.

Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı (ASYU-2017), 5 - 07 October 2017

VI. Efficient cartilage segmentation in high-field knee MR images with voxel-classification-driven region-growing algorithm

ÖZTÜRK C. N., VARLI S.

2015 19th National Biomedical Engineering Meeting (BIYOMUT), Istanbul, Turkey, Turkey, 5 - 06 November 2015

VII. Edge detection on MR images with Marr-Hildreth method extended to third dimension

ÖZTÜRK C. N., VARLI S.

2015 23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, Turkey, 16 - 19 May 2015

VIII. A comparative study on manifold learning of hyperspectral data for land cover classification

ÖZTÜRK C. N., BİLGİN G.

2014 International Conference on Graphic and Image Processing, Beijing, China, 24 - 26 October 2014

IX. Reinforcement Learning Based Mobile Robot

ALTUNTAŞ N., İMAL E., EMANET N., ÖZTÜRK C. N.

2013 International Symposium on Computing and Science in Engineering, 24 - 25 October 2013

X. SınavYazar: İlköğretim için Otomatik Sınav ve Çözüm Üretme Aracı

ÖZTÜRK C. N., ALTUNTAŞ N.

2008 ELEKTRİK - ELEKTRONİK ve BİLGİSAYAR MÜHENDİSLİĞİ SEMPOZYUMU, Turkey, 26 - 30 November 2008

Metrics

Publication: 13

Citation (WoS): 36

Citation (Scopus): 47

H-Index (WoS): 2

H-Index (Scopus): 2