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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Vanderbilt University, Elektrik Mühendisliği, Amerika Birleşik Devletleri 2001 - 2005

Yüksek Lisans, Eskişehir Osmangazi Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Elektrik-Elektronik Mühendisliği (YI) (Tezli), Türkiye 1999 - 2001

Lisans, Eskişehir Osmangazi Üniversitesi, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 1995 - 1999

Yaptığı Tezler

Doktora, Feature Extraction Techniques in High-Dimensional Spaces: Linear and nonlinear Approaches, Vanderbilt University, Elektrik Mühendisliği, 2005

Yüksek Lisans, Gürültülü Verilerin Tanınmasının İyileştirilmesi, Eskişehir Osmangazi Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Elektrik-Elektronik Mühendisliği (YI) (Tezli), 2001

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Eskişehir Osmangazi Üniversitesi, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Elektrik-Elektronik Mühendisliği Bölümü, 2019 - Devam Ediyor

Doç. Dr., Eskişehir Osmangazi Üniversitesi, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, 2013 - 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Reaching Nirvana: Maximizing the Margin in Both Euclidean and Angular Spaces for Deep Neural Network Classification**
ÇEVİKALP H., Saribas H., UZUN B.
IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, 2024 (SCI-Expanded)
- Robust and compact maximum margin clustering for high-dimensional data**
ÇEVİKALP H., Chome E.

- NEURAL COMPUTING & APPLICATIONS, cilt.36, sa.11, ss.5981-6003, 2024 (SCI-Expanded)
- III. **Dissected 3D CNNs: Temporal skip connections for efficient online video processing**
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- IV. **Deep compact polyhedral conic classifier for open and closed set recognition**
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- V. **Polyhedral Conic Classifiers for Computer Vision Applications and Open Set Recognition**
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- VI. **Visual object detection for autonomous transport vehicles in smart factories**
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- VII. **The nearest polyhedral convex conic regions for high-dimensional classification**
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- VIII. **Face Recognition Based on Videos by Using Convex Hulls**
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- IX. **Video Based Face Recognition by Using Discriminatively Learned Convex Models**
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- X. **Semi-supervised robust deep neural networks for multi-label image classification**
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- XI. **High-dimensional data clustering by using local affine/convex hulls**
ÇEVİKALP H.
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- XII. **Recurrent neural networks for remote sensing image classification**
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- XIII. **Large-scale image retrieval using transductive support vector machines**
ÇEVİKALP H., Elmas M., Ozkan S.
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- XIV. **Visual Object Detection Using Cascades of Binary and One-Class Classifiers**
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- XV. **Best Fitting Hyperplanes for Classification**
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- XVI. **Large-scale robust transductive support vector machines**
ÇEVİKALP H., Franc V.
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- XVII. **Semi-supervised discriminative common vector method for computer vision applications**
ÇEVİKALP H.
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- XVIII. **Hyperdisk based large margin classifier**
ÇEVİKALP H., Triggs B.

- PATTERN RECOGNITION, cilt.46, sa.6, ss.1523-1531, 2013 (SCI-Expanded)
- XIX. DISTANCE METRIC LEARNING BY QUADRATIC PROGRAMMING BASED ON EQUIVALENCE CONSTRAINTS**
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- XX. NON-SPEECH ENVIRONMENTAL SOUND CLASSIFICATION USING SVMs WITH A NEW SET OF FEATURES**
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- XXI. Manifold Based Local Classifiers: Linear and Nonlinear Approaches**
ÇEVİKALP H., Larlus D., Neamtu M., Triggs B., Jurie F.
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- XXII. Large margin classifiers based on affine hulls**
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- XXIII. New clustering algorithms for the support vector machine based hierarchical classification**
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- XXIV. Two-dimensional subspace classifiers for face recognition**
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- XXV. Local Classifier Weighting by Quadratic Programming**
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- XXVI. Kernel common vector method: A Novel nonlinear subspace classifier for pattern recognition**
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- XXVII. Discriminative common vector method with kernels**
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- XXIX. Phantom validation of coregistration of PET and CT for image-guided radiotherapy**
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Diğer Dergilerde Yayınlanan Makaleler

I. Foreword

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II. THE FOURIER TRANSFORM BASED DESCRIPTOR FOR VISUAL OBJECT CLASSIFICATION

ÇEVİKALP H., KURT Z.

Kitap & Kitap Bölümleri

I. Bölüm 6. Bilgisayarlı Görü Uygulamaları

YAVUZ H. S., ÖZKAN M., ÇEVİKALP H.

Yapay Zekâ ve Büyük Veri Kitap Serisi 2: YAPAY ZEKA VE BÜYÜK VERİ: ENDÜSTRİ 4.0 VE YAPAY ZEKA, Sağıroğlu Şeref, Demirezen Mustafa Umut, Yazıcı Ahmet, Editör, Nobel Akademik Yayıncılık, ss.153-182, 2021

II. Bilgisayarlı Görü Uygulamaları

YAVUZ H. S., ÖZKAN M., ÇEVİKALP H.

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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. Classification of Data Corruption in Microcontroller-Based Serial-Optical Communication with Tensorflow-Lite Mikrodenetleyici Tabanlı Seri-Optik Haberleşmede Veri Bozulmasının Tensorflow-Lite ile Sınıflandırılması

Küçük Y., ÇEVİKALP H.

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II. Deep Uniformly Distributed Centers on a Hypersphere for Open Set Recognition

ÇEVİKALP H., YAVUZ H. S., SARİBAŞ H.

The 15th Asian Conference on Machine Learning, ACML2023, İstanbul, Türkiye, 11 - 14 Kasım 2023

III. Gaze Estimation by Attention Using a Two-Stream Regression Network

Karazor A., Bayar A. E., Topal C., ÇEVİKALP H.

31st IEEE Conference on Signal Processing and Communications Applications (SIU), İstanbul, Türkiye, 5 - 08 Temmuz 2023

IV. Degree-based stratification of nodes in Graph Neural Networks

Ali A., Wolf L., ÇEVİKALP H.

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V. PLANesT-3D: A new annotated data set of 3D color point clouds of plants

Mertoglu K., Salk Y., Sarıkaya S. K., TURGUT K., EVRENOSOĞLU Y., ÇEVİKALP H., Gerek O. N., DUTAĞACI H., Rousseau D.

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VI. Deep Simplex Classifier for Maximizing the Margin in Both Euclidean and Angular Spaces

ÇEVİKALP H., Saribas H.

23rd Scandinavian Conference on Image Analysis, SCIA 2023, Lapland, Finlandiya, 18 - 21 Nisan 2023, cilt.13886 LNCS, ss.91-107

VII. Benign and Malignant Tumor Segmentation on Thorax Computed Tomography Images

Yoldas I. N., ÇEVİKALP H., GÜNDOĞDU M., AYDIN N., METİNTAŞ M.

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VIII. Anomaly Detection with Deep Compact Hypersphere Derin Kompakt Hiperküre Yöntemi ile Anomali Sezimi

Salk Y., Uzun B., ÇEVİKALP H., Saribas H.

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2022

- IX. Face Frontalization for Image Set Based Face Recognition Imge Kümeleri ile Yüz Tanimada Yüz Önleştirme**
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- X. High resolution video transmission using GNU radio and USRP GNU radio ve USRP kullanarak yüksek çözünürlüklü video aktarimi**
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- XI. Transductive polyhedral conic classifiers Transdükdif çokyüzlü konik sınıflandırıcılar**
Saglamlar H., ÇEVİKALP H.
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- XII. The eighth visual object tracking VOT2020 challenge results**
Kristan M., Leonardis A., Matas J., Felsberg M., Pflugfelder R., Kamarainen J. K., Danelljan M., Zajc L. C., Lukezi A., Drbohlav O., et al.
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- XIII. Multi Center Polyhedral Conic Classifiers for Estimating Non-Linear Decision Boundaries**
Saglamlar H., ÇEVİKALP H.
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- XIV. 3D Mapping and Localization on Aerial Images**
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- XV. Optimal Task Allocation for Multiple UAVs**
YAVUZ H. S., Goktas H., ÇEVİKALP H., Saribas H.
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 Ekim 2020
- XVI. Visual Object Detection System for Autonomous Vehicles in Smart Factories**
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Innovations in Intelligent Systems and Applications Conference (ASYU), İzmir, Türkiye, 31 Ekim - 02 Kasım 2019, ss.57-61
- XVII. A supervised clustering algorithm for the initialization of RBF neural network classifiers**
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- XVIII. Theoretical analysis of linear discriminant analysis criteria**
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- XIX. Nonlinear Discriminative Common Vector method**
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- XX. A comparison of the Common Vector and the Discriminative Common Vector methods for face recognition**
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- XXI. A novel method for face recognition**
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Metrikler

Yayın: 109

Atf (WoS): 1220

Atf (Scopus): 1660

H-İndeks (WoS): 14

H-İndeks (Scopus): 16