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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği Anabilim Dalı, Turkey 2003 - 2006

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği Anabilim Dalı, Turkey 2001 - 2003

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 1997 - 2001

Research Areas

Geotechnical Engineering, Remote sensing, Image Processing, Information Systems, Communication and Control Engineering, Signal Processing, Signal Processing for Sensor Sequences, Image and Video Processing, Pattern Recognition and Analysis, Computer Sciences, Computer Vision, Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition, Pattern Recognition and Image Processing, Biomedical Engineering, Biomedical Image Processing, Biomedical Image Processing, Biosignal Processing, Biosignal Processing, Aeronautical and Space Engineering, Aeronautical Engineering , Sensors / Electrooptics Technologies, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2014 - Continues

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2006 - 2014

Research Assistant, Kocaeli University, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2002 - 2006

Academic and Administrative Experience

Deputy Head of Department, Kocaeli University, Mühendislik Fakültesi, Elektronik ve Haberleşme Mühendisliği, 2012 - 2015

Courses

Örütü Tanıma, Postgraduate, 2019 - 2020
Elektrik Devre Temelleri, Undergraduate, 2019 - 2020
Biyomedikal İşaret İşleme, Doctorate, 2019 - 2020
Bilgisayarla Görüye Giriş, Undergraduate, 2018 - 2019
Mühendislik Tasarımı-1, Undergraduate, 2016 - 2017
SAYISAL İŞARET İŞLEME, Undergraduate, 2016 - 2017
Mühendislik Tasarımı-3, Undergraduate, 2016 - 2017
Bitirme Çalışması, Undergraduate, 2016 - 2017
İşaret ve Sistemler, Undergraduate, 2015 - 2016
Optimizasyon Tekniklerine Giriş, Undergraduate, 2015 - 2016
LİNEER CEBİR VE MÜHENDİSLİK UYGULAMALARI, Undergraduate, 2016 - 2017

Advising Theses

Güllü M. K., HİPERSPETRAL GÖRÜNTÜLERİN BÖLÜTLEME VE SEYREK GÖSTERİM TEMELLİ SIKIŞTIRILMASI, Postgraduate, A.ERTEM(Student), 2020
Güllü M. K., HİPERSPETRAL GÖRÜNTÜLERİN DÖNÜŞÜM TEMELLİ YÖNTEMLER İLE SIKIŞTIRILMASI, Postgraduate, E.CAN(Student), 2020
Güllü M. K., Hiperspektral görüntülerin kayıpsız sıkıştırılması için tahmin temelli yaklaşımlar, Doctorate, A.CAN(Student), 2019
Güllü M. K., Yerel öznitelik temelli özellik profilleri ve süper piksel bölütleme kullanılarak hiperspektral görüntü sınıflandırma, Postgraduate, Ç.DEVECİ(Student), 2019
Güllü M. K., Kısıtlanmamış görüntüler üzerinden otomatik plaka tespiti ve tanıma, Postgraduate, C.ÖKSÜZ(Student), 2015
Güllü M. K., Görüntü işleme ile otomobil silecek silme kalitesinin belirlenmesi, Postgraduate, Y.ONAY(Student), 2014
Güllü M. K., Hiperspektral görüntüler için uzamsal yaklaşımlar, Doctorate, A.ERTÜRK(Student), 2013
Güllü M. K., Faz korelasyonu temelli gömülü iris tanıma sistemi, Postgraduate, A.TEKYILDIZ(Student), 2011
Güllü M. K., İristen kimlik tanıma, Postgraduate, S.ÖZER(Student), 2010
Güllü M. K., Hiperspektral görüntü sınıflandırmada faz korelasyonu ve 1-bit temelli yaklaşımlar, Postgraduate, D.ÇEŞMECİ(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Hyperspectral and multispectral image fusion based on spectral decomposition and neighborhood pixel relation Spektral ayrıştırma ve komşu piksel ilişkisi temelli hiperspektral ve multispektral görüntülerin kaynaştırılması**
Çeşmeci D., URHAN O., Güllü M. K.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.38, no.4, pp.2385-2396, 2023 (SCI-Expanded)
- II. **MultiTempGAN: Multitemporal multispectral image compression framework using generative adversarial networks**
KARACA A. C., Kara O., Gullu M. K.
JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, vol.81, 2021 (SCI-Expanded)
- III. **Superpixel based compression of hyperspectral image with modified dictionary and sparse representation**

- Ertem A., Karaca A. C., URHAN O., GÜLLÜ M. K.
INTERNATIONAL JOURNAL OF REMOTE SENSING, vol.41, no.16, pp.6307-6324, 2020 (SCI-Expanded)
- IV. Superpixel based recursive least-squares method for lossless compression of hyperspectral images
Karaca A. C., Güllü M. K.
MULTIDIMENSIONAL SYSTEMS AND SIGNAL PROCESSING, vol.30, pp.903-919, 2019 (SCI-Expanded)
- V. Detection of forest fire in Menderes district using a superpixel segmentation based search method
Karaca A. C., Güllü M. K.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, pp.1062-1076, 2019 (SCI-Expanded)
- VI. Lossless hyperspectral image compression using bimodal conventional recursive least-squares
KARACA A. C., GÜLLÜ M. K.
REMOTE SENSING LETTERS, vol.9, no.1, pp.31-40, 2018 (SCI-Expanded)
- VII. AUTOMATED CO-REGISTRATION OF SATELLITE IMAGES THROUGH LUMINANCE TRANSFORMATION
Gercek D., Çeşmeci D., Güllü M. K., Ertürk A., Ertürk S.
PHOTOGRAMMETRIC RECORD, vol.31, pp.407-427, 2016 (SCI-Expanded)
- VIII. An investigation of the usability of sound recognition for source separation of packaging wastes in reverse vending machines
Korucu M. K., KAPLAN Ö., BÜYÜK O., GÜLLÜ M. K.
Waste Management, vol.56, pp.46-52, 2016 (SCI-Expanded)
- IX. Ground-Based Panoramic Stereo Hyperspectral Imaging System With Multiband Stereo Matching
KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.
IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING, vol.9, no.9, pp.3926-3940, 2016 (SCI-Expanded)
- X. Image processing-aided working posture analysis: I-OWAS
FIĞLALI N., CIHAN A., ESEN H., FIĞLALI A., CESMECI D., GÜLLÜ M. K., YILMAZ M. K.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.85, pp.384-394, 2015 (SCI-Expanded)
- XI. Spatial Resolution Enhancement of Hyperspectral Images Using Unmixing and Binary Particle Swarm Optimization
ERTÜRK A., GÜLLÜ M. K., ÇEŞMECİ D., Gercek D., ERTÜRK S.
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, vol.11, no.12, pp.2100-2104, 2014 (SCI-Expanded)
- XII. Endmember Extraction Guided by Anomalies and Homogeneous Regions for Hyperspectral Images
ERTÜRK A., ÇEŞMECİ D., GÜLLÜ M. K., Gercek D., ERTÜRK S.
IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING, vol.7, no.8, pp.3630-3639, 2014 (SCI-Expanded)
- XIII. Hyperspectral image classification using empirical mode decomposition with spectral gradient enhancement
ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.
IEEE Transactions on Geoscience and Remote Sensing, vol.51, no.5, pp.2787-2798, 2013 (SCI-Expanded)
- XIV. The effect of memantine in harmaline-induced tremor and neurodegeneration
İşeri P., Karson A., Gullu K. M., Akman O., Köktürk S., Yardymoglu M., Ertürk S., Ateş N.
NEUROPHARMACOLOGY, vol.61, pp.715-723, 2011 (SCI-Expanded)
- XV. Weighted constrained one-bit transform based fast block motion estimation
GÜLLÜ M. K.
IEEE Transactions on Consumer Electronics, vol.57, no.2, pp.751-755, 2011 (SCI-Expanded)
- XVI. Hyperspectral image classification using denoising of intrinsic mode functions
Demir B., ERTÜRK S., GÜLLÜ M. K.
IEEE Geoscience and Remote Sensing Letters, vol.8, no.2, pp.220-224, 2011 (SCI-Expanded)
- XVII. Phase-correlation-based hyperspectral image classification using multiple class representatives obtained with k-means clustering
Çeşmeci D., GÜLLÜ M. K.
International Journal of Remote Sensing, vol.30, no.14, pp.3827-3834, 2009 (SCI-Expanded)

- XVIII. **Blotch detection and removal for archive film restoration**
GÜLLÜ M. K., URHAN O., ERTÜRK S.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.62, no.7, pp.534-543, 2008 (SCI-Expanded)
- XIX. **Shot-cut detection for B&W archive films using best-fitting kernel**
Urhan O., Gullu M. K., Erturk S.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.61, no.7, pp.463-468, 2007 (SCI-Expanded)
- XX. **Modified phase-correlation based robust hard-cut detection with application to archive film**
Urhan O., Gullu M. K., Erturk S.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, vol.16, no.6, pp.753-770, 2006 (SCI-Expanded)
- XXI. **Blotch detection and removal for archive video restoration**
Gullu M. K., Urhan O., Erturk S.
COMPUTER AND INFORMATION SCIENCES - ISCIS 2005, PROCEEDINGS, vol.3733, pp.739-747, 2005 (SCI-Expanded)
- XXII. **Membership function adaptive fuzzy filter for image sequence stabilization**
GÜLLÜ M. K., ERTÜRK S.
IEEE Transactions on Consumer Electronics, vol.50, no.1, pp.1-7, 2004 (SCI-Expanded)
- XXIII. **Image sequence stabilization using membership selective fuzzy filtering**
GÜLLÜ M. K., ERTÜRK S.
Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol.2869, pp.497-504, 2003 (SCI-Expanded)
- XXIV. **Fuzzy image sequence stabilisation**
GÜLLÜ M. K., ERTÜRK S.
Electronics Letters, vol.39, no.16, pp.1170-1172, 2003 (SCI-Expanded)
- XXV. **Image sequence stabilisation using fuzzy adaptive Kalman filtering**
GÜLLÜ M. K., YAMAN E., ERTÜRK S.
Electronics Letters, vol.39, no.5, pp.429-431, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Compression of hyperspectral images using automatic adaptive luminance transform and 3D-DCT method**
CAN E., KARACA A. C., URHAN O., GÜLLÜ M. K.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BİLİMLERİ DERGİSİ, vol.26, no.5, pp.868-883, 2020 (ESCI)
- II. **Kamuflaj Tespiti için Hiperspektral Görüntüleme**
Karaca A. C., Ertürk A., Güllü M. K., Ertürk S.
EMO Bilimsel Dergi, vol.3, pp.35-39, 2013 (Peer-Reviewed Journal)
- III. **Hiperspektral Görüntüleme ve Görüntü İşlemenin Bugünü Yakın Geleceği ve Mevcut Araştırma Eğilimleri**
Gerçek D., Çeşmeci D., Güllü M. K., Ertürk A., Ertürk S.
XYZ Dergi, vol.1, 2013 (Non Peer-Reviewed Journal)
- IV. **Accuracy Improvement and Evaluation Measures for Registration of Multisensor Remote Sensing Imagery**
Gerçek D., Çeşmeci D., Güllü M. K., Ertürk A., Ertürk S.
Jeodezi ve jeoinformasyon dergisi (Online), vol.1, pp.97-103, 2012 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **C Dili ile PIC Uygulamaları**
Zengin F., Şanlı M., URHAN O., GÜLLÜ M. K.
Birsen Yayınevi, İstanbul, 2006
- II. **Her Yönüyle PIC16F628**
URHAN O., GÜLLÜ M. K.
Birsen Yayınevi, İstanbul, 2004

Refereed Congress / Symposium Publications in Proceedings

- I. **Efficient Hardware Implementation of Real-Time Object Tracking**
Njuguna J. C., Alabay E., ÇELEBİ A., Celebi A., Gullu M. K.
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022
- II. **Lossy Compression of Hyperspectral Images Using Wavelet Transform, Principal Component Analysis and Tensor Decomposition**
CAN E., KARACA A. C., URHAN O., GÜLLÜ M. K.
10th International Conference on Image Processing Wavelet and Applications, 18 - 20 October 2019
- III. **Turkish sign language recognition using kinect skeleton and convolutional neural network Kinect Iskelet ve Evrişimsel Sinir Ağları ile Türkçe İşaret Dili Tanıma**
Unutmaz B., KARACA A. C., GÜLLÜ M. K.
27th Signal Processing and Communications Applications Conference, SIU 2019, Sivas, Turkey, 24 - 26 April 2019
- IV. **Compression of hyperspectral images using superpixel based and error-corrected sparse representation Hiperspektral görüntülerin süper piksel temelli ve hata düzeltmeli seyrek gösterimle sıkıştırılması**
Ertem A., KARACA A. C., GÜLLÜ M. K.
27th Signal Processing and Communications Applications Conference, SIU 2019, Sivas, Turkey, 24 - 26 April 2019
- V. **Epileptic Seizure Prediction for Imbalanced Datasets**
Cosgun E., ÇELEBİ A., GÜLLÜ M. K.
Medical Technologies Congress (TIPTEKNO), İzmir, Turkey, 3 - 05 October 2019, pp.290-293
- VI. **Epileptic Seizure Forecasting Using AR Model Coefficients and Machine Learning Techniques**
Celebi M., GÜLLÜ M. K.
Medical Technologies Congress (TIPTEKNO), İzmir, Turkey, 3 - 05 October 2019, pp.66-69
- VII. **Turkish Sign Language Recognition Using Kinect Skeleton and Convolutional Neural Network**
Unutmaz B., KARACA A. C., GÜLLÜ M. K.
27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, 24 - 26 April 2019
- VIII. **Compression of Hyperspectral Images Using Superpixel Based and Error-Corrected Sparse Representation**
Ertem A., KARACA A. C., GÜLLÜ M. K.
27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, 24 - 26 April 2019
- IX. **Compression of hyperspectral images using luminance transform and 3D-DCT**
Can E., KARACA A. C., Danişman M., URHAN O., GÜLLÜ M. K.
38th Annual IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2018, Valencia, Spain, 22 - 27 July 2018, pp.5073-5076
- X. **A detailed performance analysis of hyperspectral image compression techniques**
Danişman M., KARACA A. C., Can E., URHAN O., GÜLLÜ M. K.
38th Annual IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2018, Valencia, Spain, 22 - 27 July 2018, pp.5069-5072
- XI. **Target Preserving Hyperspectral Image Compression Using Weighted PCA and JPEG2000**

- KARACA A. C., GÜLLÜ M. K.
International Conference on Image and Signal Processing - ICISP2018, Cherbourg, France, 2 - 04 July 2018, pp.508-516
- XII. **Compression of hyperspectral images using adaptive luminance transform Hiperspektral görüntülerin uyarlamalı ışıklılık dönüşümü ile sıkıştırılması**
Can E., KARACA A. C., DANISMAN M., URHAN O., GÜLLÜ M. K.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- XIII. **Hyperspectral image resolution enhancement by using spectral ratio and guided filter Hiperspektral görüntülerde spektral oran ve rehberli filtre kullanılarak çözünürlük artırma**
Cesmeci D., GÜLLÜ M. K.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- XIV. **Effects of hyperspectral image compression methods on classification Hiperspektral görüntü sıkıştırma yöntemlerinin sınıflandırma üzerindeki etkileri**
DANISMAN M., KARACA A. C., Can E., URHAN O., GÜLLÜ M. K.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- XV. **Prediction and compression of multi-temporal hyperspectral images using luminance transform Farklı zamanlarda alınan hiperspektral görüntülerin ışıklılık dönüşümü ile tahmini ve sıkıştırılması**
KARACA A. C., GÜLLÜ M. K.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- XVI. **Hyperspectral and multispectral image fusion based on spectral decomposition and neighborhood relation Spektral ayırtırma ve komşuluk ilişkisi temelli hiperspektral ve multispektral görüntülerin kaynaştırılması**
Cesmeci D., GÜLLÜ M. K.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- XVII. **Hiperspektral Görüntülerin Uyarlamalı Işıklılık Dönüşümü ile Sıkıştırılması**
CAN E., KARACA A. C., DANISMAN M., URHAN O., GÜLLÜ M. K.
26. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU'2018), 2 - 05 May 2018
- XVIII. **Hiperspektral Görüntü Sıkıştırma Yöntemlerinin Sınıflandırma Üzerindeki Etkileri**
DANISMAN M., KARACA A. C., CAN E., URHAN O., GÜLLÜ M. K.
26. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU'2018), 2 - 05 May 2018
- XIX. **Effects of hyperspectral image compression methods on classification**
DANISMAN M., KARACA A. C., CAN E., URHAN O., GÜLLÜ M. K.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 02 May 2018, pp.1-4
- XX. **Compression of hyperspectral images using adaptive luminance transform**
CAN E., KARACA A. C., DANISMAN M., URHAN O., GÜLLÜ M. K.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 02 May 2018, pp.1-4
- XXI. **Hyperspectral Image Resolution Enhancement by Using Spectral Ratio and Guided Filter**
Cesmeci D., GÜLLÜ M. K.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- XXII. **Hyperspectral and Multispectral Image Fusion Based on Spectral Decomposition and Neighborhood Relation**
Cesmeci D., GÜLLÜ M. K.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- XXIII. **Prediction and Compression of Multi-temporal Hyperspectral Images using Luminance Transform**

- KARACA A. C., GÜLLÜ M. K.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- XXIV. **A fast approach for adaptive conventional recursive least-squares predictor in lossless compression of hyperspectral images** Hiperspektral Görüntülerin Kayipsız Sikiştırmada Adaptif Geleneksel Yinelemeli En Küçük Karesel Hata Kestiricisi için Hızlı Bir Yaklaşım
KARACA A. C., GÜLLÜ M. K.
25th Signal Processing and Communications Applications Conference, SIU 2017, Antalya, Turkey, 15 - 18 May 2017
- XXV. **The use of low-bit depth approaches for band ordering in hyperspectral image compression** Hiperspektral Görüntü Sikiştırmada Bant Sıralama için Düşük Bit-Derinliği Yaklaşımlarının Kullanımı
KARACA A. C., GÜLLÜ M. K.
25th Signal Processing and Communications Applications Conference, SIU 2017, Antalya, Turkey, 15 - 18 May 2017
- XXVI. **Fusion of hyperspectral and multispectral images using general and local spectral features** Hiperspektral ve Multispektral Görüntülerin Genel ve Yerel Spektral Özellikler Kullanılarak Kaynaştırılması
Cesmeci D., GÜLLÜ M. K.
25th Signal Processing and Communications Applications Conference, SIU 2017, Antalya, Turkey, 15 - 18 May 2017
- XXVII. **Fusion of Hyperspectral and Multispectral Images Using General and Local Spectral Features**
Cesmeci D., GÜLLÜ M. K.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- XXVIII. **The Use of Low-Bit Depth Approaches for Band Ordering in Hyperspectral Image Compression**
KARACA A. C., GÜLLÜ M. K.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- XXIX. **Lossless Compression of Ultraspectral Sounder Data Using Recursive Least Squares**
KARACA A. C., GÜLLÜ M. K.
8th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 19 - 22 June 2017, pp.109-112
- XXX. **A Fast Approach for Adaptive Conventional Recursive Least-Squares Predictor in Lossless Compression of Hyperspectral Images**
KARACA A. C., GÜLLÜ M. K.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- XXXI. **Comparison of traditional and recent unsupervised band selection approaches in hyperspectral images**
KARACA A. C., GÜLLÜ M. K.
2016 24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, Turkey, 16 - 19 May 2016
- XXXII. **Using of SVM Sound Recognition Technique in Source Separation of Packaging Wastes A New Approach for Reverse Vending Machines**
KORUCU M. K., KAPLAN Ö., GÜLLÜ M. K., BÜYÜK O.
Int. Conf. on Engineering and Natural Sciences (ICENS) 2016, Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.912-915
- XXXIII. **3D Object Modeling by Structured Light and Stereo Vision**
Özenç U., Taştan O., GÜLLÜ M. K.
15th Int. Conf. on Signal Processing, Computational Geometry and Artificial Vision (ISCGAV'15), 17 - 19 August 2015, pp.18-22
- XXXIV. **Dikey Tasarım Temelli Genetik Algoritma ile Hiperspektral Görüntülerin Uzamsal Çözünürlüğünün Arttırılması**
çeşmeci d., GÜLLÜ M. K.
IEEE 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU2015), Turkey, 16 - 19 May 2015
- XXXV. **Stereo Görme ve Kodlanmış Işık ile 3 B Nesne Modelleme**
özenç u., taştan o., GÜLLÜ M. K.
IEEE 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU2015), Turkey, 16 - 19 May 2015

- XXXVI. **Orthogonal design based genetic algorithm for spatial resolution enhancement of hyperspectral images** Dikey Tasarım Temelli Genetik Algoritma ile Hiperspektral Görüntülerin Uzamsal Çözünürlüğünün Arttırılması
Çeşmeci D., GÜLLÜ M. K.
2015 23rd Signal Processing and Communications Applications Conference, SIU 2015, Malatya, Turkey, 16 - 19 May 2015, pp.2442-2445
- XXXVII. **3D object modeling by structured light and stereo vision Stereo Görme ve Kodlanmış Işık ile 3-B Nesne Modelleme**
Özenc U., Taştan O., GÜLLÜ M. K.
2015 23rd Signal Processing and Communications Applications Conference, SIU 2015, Malatya, Turkey, 16 - 19 May 2015, pp.2466-2469
- XXXVIII. **Adaptive local thresholding based number plate detection Uyarlamalı Yerel Eşikleme Temelli Plaka Tespiti**
Öksüz C., GÜLLÜ M. K.
2015 23rd Signal Processing and Communications Applications Conference, SIU 2015, Malatya, Turkey, 16 - 19 May 2015, pp.1437-1440
- XXXIX. **Hyperspectral Change Detection with Stereo Disparity Information Enhancement**
KARACA A. C., ÇEŞMECİ D., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.
IEEE 6th Workshop on Hyperspectral Image and Signal Processing: Evolution in Remote Sensing (WHISPERS), Switzerland, 24 - 27 July 2014
- XL. **Stereo Hiperspektral Görüntüleme**
KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.
7. SavunmaTeknolojileri Kongresi (SAVTEK 2014), Ankara, Turkey, 25 - 26 June 2014
- XLI. **Design of a hyperspectral imaging spectrometer for visible and near infrared region applications**
ÇIRPICI U., KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.
2014 22nd Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, Turkey, 23 - 25 April 2014
- XLII. **Hyperspectral change detection based on Multi band Census Transform**
ÇEŞMECİ D., KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.
2014 22nd Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, Turkey, 23 - 25 April 2014
- XLIII. **A NOVEL PANORAMIC STEREO HYPERSPECTRAL IMAGING SYSTEM**
Karaca A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.
6th International Symposium on Communications, Control and Signal Processing (ISCCSP), Athens, Greece, 21 - 23 May 2014, pp.145-148
- XLIV. **HYPERSPECTRAL CHANGE DETECTION BY MULTI-BAND CENSUS TRANSFORM**
ÇEŞMECİ D., KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.
IEEE Joint International Geoscience and Remote Sensing Symposium (IGARSS) / 35th Canadian Symposium on Remote Sensing, Quebec City, Canada, 13 - 18 July 2014, pp.2969-2972
- XLV. **Integrating anomaly detection to spatial preprocessing for endmember extraction of hyperspectral images**
ERTÜRK A., Cesmeci D., Gercek D., GÜLLÜ M. K., ERTÜRK S.
2013 33rd IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2013, Melbourne, Australia, 21 - 26 July 2013, pp.1087-1090
- XLVI. **Automatic Waste Sorting using Shortwave Infrared Hyperspectral Imaging System**
KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ELMAS M., ERTÜRK S.
IEEE 5th Workshop on Hyperspectral Image and Signal Processing: Evolution in Remote Sensing (WHISPERS), 25 July - 28 September 2013
- XLVII. **Unmixing-based fusion of hyperspectral images for classification Hiperspektral görüntülerin sınıflandırmasında katışım temelli kaynaştırma**
Çeşmeci D., Gerçek D., GÜLLÜ M. K., ERTÜRK A., ERTÜRK S.

- 2013 21st Signal Processing and Communications Applications Conference, SIU 2013, Haspolat, Turkey, 24 - 26 April 2013
- XLVIII. **Anomaly and homogeneous region guided endmember extraction for hyperspectral images**
Hiperspektral görüntüler için anomali ve homojen bölge gözeten son eleman çıkarımı
ERTÜRK A., Çesmeci D., Gerçek D., GÜLLÜ M. K., ERTÜRK S.
2013 21st Signal Processing and Communications Applications Conference, SIU 2013, Haspolat, Turkey, 24 - 26 April 2013
- XLIX. **Enhancement of fog degraded images using empirical mode decomposition** Sisten bozulmuş imgelerde ampirik kip ayrisimina dayalı iyileştirme
Çelebi A., GÜLLÜ M. K., ERTÜRK S.
2013 21st Signal Processing and Communications Applications Conference, SIU 2013, Haspolat, Turkey, 24 - 26 April 2013
- L. **Unmixing-based fusion of hyperspectral images with high spatial resolution images** Hiperspektral görüntüler ile yüksek çözünürlüklü görüntülerin spektral katisim temelli kaynaştırılması
Gerçek D., Çesmeci D., GÜLLÜ M. K., ERTÜRK A., ERTÜRK S.
2013 21st Signal Processing and Communications Applications Conference, SIU 2013, Haspolat, Turkey, 24 - 26 April 2013
- LI. **Hiperspektral Görüntüleme ile Kamuflaj Tespiti**
Karaca A. C., Ertürk A., Güllü M. K., Elmas M., Ertürk S.
6. SavunmaTeknolojileri Kongresi (SAVTEK 2012), Ankara, Turkey, 20 - 22 June 2012
- LII. **Plastic waste sorting using infrared hyperspectral imaging system**
KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.
2013 21st Signal Processing and Communications Applications Conference (SIU), Haspolat, Turkey, 24 - 26 April 2013
- LIII. **Anomaly and Homogeneous Region Guided Endmember Extraction for Hyperspectral Images**
ERTÜRK A., Cesmeci D., Gercek D., GÜLLÜ M. K., ERTÜRK S.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- LIV. **Enhancement of Fog Degraded Images Using Empirical Mode Decomposition**
Celebi A. T., GÜLLÜ M. K., ERTÜRK S.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- LV. **Unmixing-based Fusion of Hyperspectral Images for Classification**
Cesmeci D., Gercek D., GÜLLÜ M. K., ERTÜRK A., ERTÜRK S.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- LVI. **Unmixing-based Fusion of Hyperspectral Images with High Spatial Resolution Images**
Gerçek D., Cesmeci D., GÜLLÜ M. K., ERTÜRK A., ERTÜRK S.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- LVII. **An automated fine registration of multisensor remote sensing imagery**
Gerçek D., Çesmeci D., GÜLLÜ M. K., ERTÜRK A., ERTÜRK S.
2012 32nd IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2012, Munich, Germany, 22 - 27 July 2012, pp.1361-1364
- LVIII. **Hyperspectral image classification with spectral gradient enhancement for empirical mode decomposition**
ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.
2012 32nd IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2012, Munich, Germany, 22 - 27 July 2012, pp.4162-4165
- LIX. **Analysis of evidence in forensic documents using hyperspectral imaging system**
KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ELMAS M., ERTÜRK S.
2012 20th Signal Processing and Communications Applications Conference (SIU), Mugla, Turkey, Turkey, 18 - 20 April 2012
- LX. **An automated approach for registration of multisensor/multi-resolution imagery** Farklı alicilardan elde edilen farklı çözümürlü uydu görüntülerinin çakıştırılmasında otomatik bir yaklaşım

- Gerçek D., Çeşmeci D., GÜLLÜ M. K., ERTÜRK A., ERTÜRK S.
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012
- LXI. **A multi-view stereo based high resolution 3-D model generation approach** Çok-bağılı stereo yaklaşımı ile yüksek çözünürlüklü bir 3-B model oluşturma yaklaşımı
Özuağ E., GÜLLÜ M. K., URHAN O., ERTÜRK S., İşken T.
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012
- LXII. **Image registration with luminance transform operation** Parlaklık dönüşüm işlemi ile imgé çakıştırma
Çeşmeci D., Gerçek D., GÜLLÜ M. K., ERTÜRK A., ERTÜRK S.
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012
- LXIII. **Empirical mode decomposition based approach with spectral enhancement for hyperspectral image classification** Hiperspektral görüntü sınıflandırması için spektral iyileştirmeli ampirik kip ayırtılması tabanlı yaklaşım
ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012
- LXIV. **An uncooled infrared camera with embedded real-time target tracking capability** Gerçek zamanlı gömülü hedef takibi yapabilen soğutmasız kizil ötesi kamera
Güvenel Ç., Tekyıldız A., Türkoğlu Ç., Yıldız Ç., KÜÇÜKMANİSA A., ÇELEBİ A., URHAN O., GÜLLÜ M. K., ERTÜRK S.
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012
- LXV. **Iris recognition system based on fast iris localization and phase correlation mathching** Hızlı iris tespiti ve faz ilintisi eşleme temelli iris tanıma sistemi
Tekyıldız A., GÜLLÜ M. K., URHAN O., ERTÜRK S.
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012
- LXVI. **Real time control of tyre profiles using computer vision approach** Lastik profillerinin bilgisayarda görü yakası ile gerçek zamanlı kontrolü
Duvar R., Gökbayrak A. B., Aytekin H. S., GÜLLÜ M. K., URHAN O., ERTÜRK S.
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012
- LXVII. **DSP implementation of phase correlation based real-time video stabilization** Faz korelasyonu temelli gerçek-zamanlı video stabilizasyonunun DSP üzerinde gerçekleşmesi
KÜÇÜKMANİSA A., URHAN O., GÜLLÜ M. K., ERTÜRK S.
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012
- LXVIII. **COMPARATIVE EVALUATION OF VECTOR MACHINE BASED HYPERSPECTRAL CLASSIFICATION METHODS**
KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.
IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Munich, Germany, 22 - 27 July 2012, pp.4970-4973
- LXIX. **Metric measurement from street view sequences with simple operator assistance and phase correlation based frame selection**
Ozuag E., GÜLLÜ M. K., URHAN O., ERTÜRK S.
21st IEEE International Workshop on Machine Learning for Signal Processing, MLSP 2011, Beijing, China, 18 - 21 September 2011
- LXX. **IR Camera System with Embedded Target Tracking**
GÜVENEL Ç., TEKYILDIZ A., TÜRKOĞLU Ç., ÇELEBİ A., URHAN O., GÜLLÜ M. K., ERTÜRK S.
2nd Annual International Conference on Advances in Distributed and Parallel Computing (ADPC 2011) - special

- track on Real-Time and Embedded Systems (RTES 2011), 12 - 13 October 2011, vol.1, pp.71-74
- LXXI. **Fuzzy logic based obstacle detection in images captured by imaging sonar**
TAŞYAPI ÇELEBİ A., GÜLLÜ M. K., ERTÜRK S.
2011 IEEE 19th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, Turkey, 20 - 22 April 2011
- LXXII. **Mine detection in side scan sonar images using Markov Random Fields with brightness compensation**
TAŞYAPI ÇELEBİ A., GÜLLÜ M. K., ERTÜRK S.
2011 IEEE 19th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, Turkey, 20 - 22 April 2011
- LXXIII. **3-D face modeling and local deformations 3-B yüz modelleme ve yerel deformasyonlar**
Özüağ E., GÜLLÜ M. K., URHAN O., ERTÜRK S.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Turkey, 22 - 24 April 2010, pp.752-755
- LXXIV. **Iris recognition based on bant-limited phase correlation Bant-sinirli faz korelasyonu uyumlaması temelli iris tanıma**
Durmuş S., Çelebi A., GÜLLÜ M. K.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Turkey, 22 - 24 April 2010, pp.878-881
- LXXV. **Sub-swarm converging linear particle swarm optimization Alt-sürüler halinde yakinsayan doğrusal parçacık sürü iyileştirmesi**
Çeşmeci D., GÜLLÜ M. K.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Turkey, 22 - 24 April 2010, pp.736-739
- LXXVI. **High resolution 3-D face modeling and model warping**
Özüağ E., GÜLLÜ M. K., URHAN O., ERTÜRK S.
18th International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision, WSCG 2010, Plzen, Czech Republic, 1 - 04 February 2010, pp.57-60
- LXXVII. **Wavelet shrinkage denoising of intrinsic mode functions of hyperspectral image bands for classification with high accuracy**
Demir B., ERTÜRK S., GÜLLÜ M. K.
2009 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2009, Cape-Town, South Africa, 12 - 17 July 2009, vol.3
- LXXVIII. **Performance comparison of different denoising methods for sonar images Sonar imgeleri için değişik gürültü azaltım yöntemlerinin başarım karşılaştırması**
Çelebi A. T., GÜLLÜ M. K., ERTÜRK S.
2009 IEEE 17th Signal Processing and Communications Applications Conference, SIU 2009, Antalya, Turkey, 9 - 11 April 2009, pp.772-775
- LXXIX. **Extraction of high resolution depth data from human face İnsan yüzünden yüksek çözünürlükte derinlik bilgisi çıkarımı**
Özüağ E., GÜLLÜ M. K., URHAN O.
2009 IEEE 17th Signal Processing and Communications Applications Conference, SIU 2009, Antalya, Turkey, 9 - 11 April 2009, pp.77-80
- LXXX. **Low-complexity iris recognition using one-bit transform and angular radial partitioning Bir-bit dönüşümü ve açısal radyal parçalama kullanan düşük karmaşıklığa sahip iris tanıma sistemi**
Çelebi A., GÜLLÜ M. K., ERTÜRK S.
2009 IEEE 17th Signal Processing and Communications Applications Conference, SIU 2009, Antalya, Turkey, 9 - 11 April 2009, pp.696-699
- LXXXI. **Phase correlation based hyperspectral image classification using different number of multiple class representatives Farklı sayıda çoklu sınıf temsilcisi kullanan faz korelasyonu temelli hiperspektral görüntü sınıflandırma**

- Çesmeci D., GÜLLÜ M. K.
 2009 IEEE 17th Signal Processing and Communications Applications Conference, SIU 2009, Antalya, Turkey, 9 - 11 April 2009, pp.53-56
- LXXXII. **Poster No: 008 Sayfa No:78 MEMANTİN'İN TREMOR ŞİDDETİNİ AZALTICI VE NÖRON KORUYUCU ETKİSİ: TİTREŞİM ANALİZİ VE İMMÜNOHİSTOKİMYASAL YAKLAŞIM. TÜRK FİZYOLOJİ BİLİMLER DERNEĞİ 35. ULUSAL FİZYOLOJİ KONGRESİ, 01 Ekim 2009 Perşembe Poster No: 008**
 KARSON A., İŞERİ P., AKMAN Ö., GÜLLÜ M. K., KÖKTÜRK S., ERTÜRK S., YARDIMOĞLU YILMAZ M., ATEŞ N.
 35. ULUSAL FİZYOLOJİ KONGRESİ, Ankara, Turkey, 30 September - 03 October 2009, pp.78
- LXXXIII. **Memantinin tremor şiddetini azaltıcı ve nöron koruyucu etkisi titreşim analizi ve immunohistokimyasal yaklaşım**
 KARSON A., İŞERİ P., AKMAN Ö., GÜLLÜ M. K., KÖKTÜRK S., ERTÜRK S., YARDIMOĞLU YILMAZ M., ATEŞ N.
 Türk Fizyolojik Bilimler Derneği 35. Ulusal Fizyoloji Kongresi Bildiri kitapcigi, P008, Türk Fizyolojik Bilimler Derneği 35. Ulusal Fizyoloji Kongresi, Ankara, Turkey, 30 September - 03 October 2009
- LXXXIV. **Sonar İmgeleri İçin Değişik Gürültü Azaltım Yöntemlerinin Başarım Karşılaştırması**
 TAŞYAPI ÇELEBİ A., GÜLLÜ M. K., ERTÜRK S.
 2009 IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, Turkey, 9 - 11 April 2009
- LXXXV. **Bir-Bit Dönüşümü ve Açısal Radyal Parçalama Kullanan Düşük Karmaşıklığa Sahip Iris Tanıma Sistemi**
 TAŞYAPI ÇELEBİ A., GÜLLÜ M. K., ERTÜRK S.
 2009 IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, Turkey, 9 - 11 April 2009
- LXXXVI. **Phase Correlation Based Hyperspectral Image Classification Using Different Number of Multiple Class Representatives**
 Cesmeci D., GÜLLÜ M. K.
 IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, 9 - 11 April 2009, pp.327-330
- LXXXVII. **Low-Complexity Iris Recognition Using One-Bit Transform and Angular Radial Partitioning**
 Celebi A. T., GÜLLÜ M. K., ERTÜRK S.
 IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, 9 - 11 April 2009, pp.910-913
- LXXXVIII. **Performance comparison of different denoising methods for sonar images**
 Celebi A. T., GÜLLÜ M. K., ERTÜRK S.
 IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, 9 - 11 April 2009, pp.982-985
- LXXXIX. **Extraction of High Resolution Depth Data from Human Face**
 Ozuag E., GÜLLÜ M. K., URHAN O.
 IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, 9 - 11 April 2009, pp.1010-1011
- XC. **Facial feature matched one-bit transform for face recognition Yüz tanıma için yüz özelliklerine uyumlu bir-bit dönüşümü**
 Celebi A., Demir B., GÜLLÜ M. K., ERTÜRK S.
 2008 IEEE 16th Signal Processing, Communication and Applications Conference, SIU, Aydın, Turkey, 20 - 22 April 2008
- XCI. **Block motion estimation using luminance transform based matching Işıklılık dönüşümü temelli uyumlama kullanan blok hareket kestirimi**
 GÜLLÜ M. K.
 2008 IEEE 16th Signal Processing, Communication and Applications Conference, SIU, Aydın, Turkey, 20 - 22 April 2008
- XCII. **Segmentation of hyperspectral images using phase correlation based on adaptive thresholding Hiperspektral görüntülerin uyarlamalı eşik temelli faz korelasyonu kullanılarak bölütlenmesi**

- Çeşmeci D., GÜLLÜ M. K., ERTÜRK S.
 2008 IEEE 16th Signal Processing, Communication and Applications Conference, SIU, Aydın, Turkey, 20 - 22 April 2008
- XCIII. Yüz Tanıma için Yüz Özelliklerine Uyumlu Bir-bit Dönüşümü**
 TAŞYAPI ÇELEBİ A., DEMİR B., GÜLLÜ M. K., ERTÜRK S.
 2008 IEEE 16th Signal Processing, Communication and Applications Conference, Aydin, Turkey, 20 - 22 April 2008
- XCIV. Scene-cut detection using best fitting kernel and modified phase correlation methods** En uygun çekirdek ve geliştirilmiş faz korelasyonu kullanarak ani sahne değişiminin algılanması
 Ürgün Y., URHAN O., GÜLLÜ M. K., ERTÜRK S.
 2007 IEEE 15th Signal Processing and Communications Applications, SIU, Eskişehir, Turkey, 11 - 13 June 2007
- XCV. Blotch removal for archive films** Arşiv filmlerinde kir etkisinin onarımı
 GÜLLÜ M. K., URHAN O., Kefeli H. C., ERTÜRK S.
 2006 IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, 17 - 19 April 2006, vol.2006
- XCVI. Scratch Detection via Temporal Coherency Analysis and Removal by Edge Priority Based Interpolation**
 GÜLLÜ M. K., URHAN O., ERTÜRK S.
 IEEE International Symposium on Circuits and Systems, (ISCAS-2006), 21 - 24 May 2006
- XCVII. Scratch detection via temporal coherency analysis and removal using edge priority based interpolation**
 GÜLLÜ M. K., URHAN O., ERTÜRK S.
 IEEE International Symposium on Circuits and Systems, Kos, Greece, 21 - 24 May 2006, pp.4591-4592
- XCVIII. Blotch removal for archive films**
 GÜLLÜ M. K., URHAN O., Kefeli H. C., ERTÜRK S.
 IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, 16 - 19 April 2006, pp.313-314
- XCIX. Pixel domain spatio-temporal denoising for archive videos**
 GÜLLÜ M. K., URHAN O., ERTÜRK S.
 ISCIS 2006: 21th International Symposium on Computer and Information Sciences, İstanbul, Turkey, 1 - 03 November 2006, pp.493-502
- C. Flicker removal for archive films** Arşiv filmlerinde kirpişma etkisinin giderilmesi
 GÜLLÜ M. K., URHAN O., ERTÜRK S.
 IEEE 13th Signal Processing and Communications Applications Conference, SIU 2005, Kayseri, Turkey, 16 - 18 May 2005, vol.2005, pp.155-158
- CI. Blotch detection and removal for archive video restoration**
 GÜLLÜ M. K., URHAN O., ERTÜRK S.
 20th International Symposium on Computer and Information Sciences, ISCIS 2005, İstanbul, Turkey, 26 - 28 October 2005, pp.739-747
- CII. Scene cut detection for archive films using phase correlation** Faz Korelasyonu Kullanarak Arşiv Filmlerinde Ani Sahne Değişimlerinin Algılanması
 URHAN O., GÜLLÜ M. K., ERTÜRK S.
 Proceedings of the IEEE 12th Signal Processing and Communications Applications Conference, SIU 2004, Kusadasi, Turkey, 28 - 30 April 2004, pp.343-346
- CIII. Dissolve detection for archive films** Arşiv Filmlerinde Zincirleme Sahne Geçişlerinin Algılanması
 GÜLLÜ M. K., URHAN O., ERTÜRK S.
 Proceedings of the IEEE 12th Signal Processing and Communications Applications Conference, SIU 2004, Kusadasi, Turkey, 28 - 30 April 2004, pp.510-513
- CIV. Bulanık Denetleç Uygulaması Kullanan Kalman Filtresi ile Görüntü Stabilizasyonu**
 GÜLLÜ M. K., YALÇIN E., ERTÜRK S.
 Elektrik-Elektronik-Bilgisayar Mühendisliği Sempozyumu, Turkey, 18 December 2002, pp.1-5

Supported Projects

GÜLLÜ M. K., BÜYÜK O., TAŞYAPI ÇELEBİ A., KARACA A. C., Project Supported by Higher Education Institutions, 2019-
İşaret İşleme Ortak Araştırma Laboratuvarı (SPRL), 2020 - 2021

Urhan O., Güllü M. K., TUBITAK Project, Hiperspektral Görüntülerin Alt-Örneklemme, Katışım Analizi ve Bölümleme Temelli
Yaklaşımalarla Sıkıştırılması, 2017 - 2019

Güllü M. K., Gerçek Kurt D., TUBITAK Project, Hiperspektral görüntülerde piksel altı yaklaşımalarla sınıflandırma
başarısının artırılması (1001 - Bilimsel ve Teknolojik Araştırma Projesi), 2011 - 2013

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