

Doç. Dr. EVGİN GÖÇERİ

Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: A-8801-2016

ScopusID: 36166929500

Yoksis Araştırmacı ID: 34612

Eğitim Bilgileri

Post Doktora, Ohio State University, College Of Medicine, Biomedical Informatics, Amerika Birleşik Devletleri 2015 - 2016

Doktora, İzmir Yüksek Teknoloji Enstitüsü, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Bölümü, Elektronik Ve Haberleşme Programı, Türkiye 2007 - 2013

Lisans, Ege Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Türkiye 1997 - 2002

Yaptığı Tezler

Doktora, A Comparative Evaluation For Liver Segmentation From SPIR Images And A Novel Level Set Method Using Signed Pressure Force Function, İzmir Yüksek Teknoloji Enstitüsü, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Bölümü, 2013

Araştırma Alanları

Biyomedikal Mühendisliği, Biyomedikal Görüntü İşleme, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç. Dr., Akdeniz Üniversitesi, Mühendislik Fakültesi, Biyomedikal Mühendisliği Bölümü, 2018 - Devam Ediyor

Yrd. Doç. Dr., Akdeniz Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2015 - 2018

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- An efficient network with CNN and transformer blocks for glioma grading and brain tumor classification from MRIs**
GÖÇERİ E.
Expert Systems with Applications, cilt.268, 2025 (SCI-Expanded)
- A comprehensive investigation of multimodal deep learning fusion strategies for breast cancer classification**
Nakach F., Idri A., GÖÇERİ E.
Artificial Intelligence Review, cilt.57, sa.12, 2024 (SCI-Expanded)

- III. **GAN based augmentation using a hybrid loss function for dermoscopy images**
Göçeri E.
Artificial Intelligence Review, cilt.57, sa.9, 2024 (SCI-Expanded)
- IV. **Vision transformer based classification of gliomas from histopathological images**
GÖÇERİ E.
Expert Systems with Applications, cilt.241, 2024 (SCI-Expanded)
- V. **Nuclei segmentation using attention aware and adversarial networks**
GÖÇERİ E.
Neurocomputing, cilt.579, 2024 (SCI-Expanded)
- VI. **Exploring data mining and machine learning in gynecologic oncology**
Idlahcen F., Idri A., GÖÇERİ E.
Artificial Intelligence Review, cilt.57, sa.2, 2024 (SCI-Expanded)
- VII. **Medical image data augmentation: techniques, comparisons and interpretations**
GÖÇERİ E.
Artificial Intelligence Review, cilt.56, sa.11, ss.12561-12605, 2023 (SCI-Expanded)
- VIII. **Comparison of the impacts of dermoscopy image augmentation methods on skin cancer classification and a new augmentation method with wavelet packets**
GÖÇERİ E.
International Journal of Imaging Systems and Technology, cilt.33, sa.5, ss.1727-1744, 2023 (SCI-Expanded)
- IX. **Classification of skin cancer using adjustable and fully convolutional capsule layers**
GÖÇERİ E.
Biomedical Signal Processing and Control, cilt.85, 2023 (SCI-Expanded)
- X. **Evaluation of denoising techniques to remove speckle and Gaussian noise from dermoscopy images**
GÖÇERİ E.
Computers in Biology and Medicine, cilt.152, 2023 (SCI-Expanded)
- XI. **Diagnosis of skin diseases in the era of deep learning and mobile technology**
GÖÇERİ E.
COMPUTERS IN BIOLOGY AND MEDICINE, cilt.134, 2021 (SCI-Expanded)
- XII. **Deep learning based classification of facial dermatological disorders**
GÖÇERİ E.
COMPUTERS IN BIOLOGY AND MEDICINE, cilt.128, 2021 (SCI-Expanded)
- XIII. **CapsNet topology to classify tumours from brain images and comparative evaluation**
GÖÇERİ E.
IET IMAGE PROCESSING, cilt.14, sa.5, ss.882-889, 2020 (SCI-Expanded)
- XIV. **Diagnosis of Alzheimer's disease with Sobolev gradient-based optimization and 3D convolutional neural network**
GÖÇERİ E.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN BIOMEDICAL ENGINEERING, cilt.35, sa.7, 2019 (SCI-Expanded)
- XV. **A method for liver segmentation in perfusion MR images using probabilistic atlases and viscous reconstruction**
Dura E., Domingo J., GÖÇERİ E., Marti-Bonmati L.
PATTERN ANALYSIS AND APPLICATIONS, cilt.21, sa.4, ss.1083-1095, 2018 (SCI-Expanded)
- XVI. **Quantitative validation of anti-PTBP1 antibody for diagnostic neuropathology use: Image analysis approach**
GÖÇERİ E., Goksel B., Elder J. B., Puduvalli V. K., Otero J. J., Gurcan M. N.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN BIOMEDICAL ENGINEERING, cilt.33, sa.11, 2017 (SCI-Expanded)
- XVII. **Vessel segmentation from abdominal magnetic resonance images: adaptive and reconstructive approach**
Goceri E., Shah Z. K., Gurcan M. N.

- INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN BIOMEDICAL ENGINEERING, cilt.33, sa.4, 2017 (SCI-Expanded)
- XVIII. **Automated fluorescent microscopic image analysis of PTBP1 expression in glioma**
Kaya B., GÖÇERİ E., Becker A., Elder B., Puduvalli V., Winter J., Gurcan M., Otero J. J.
PLOS ONE, cilt.12, sa.3, 2017 (SCI-Expanded)
- XIX. **Probabilistic liver atlas construction**
Dura E., Domingo J., Ayala G., Marti-Bonmati L., GÖÇERİ E.
BIOMEDICAL ENGINEERING ONLINE, cilt.16, 2017 (SCI-Expanded)
- XX. **Automatic labeling of portal and hepatic veins from MR images prior to liver transplantation**
GÖÇERİ E.
INTERNATIONAL JOURNAL OF COMPUTER ASSISTED RADIOLOGY AND SURGERY, cilt.11, sa.12, ss.2153-2161, 2016 (SCI-Expanded)
- XXI. **Fully automated liver segmentation using Sobolev gradient-based level set evolution**
GÖÇERİ E.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN BIOMEDICAL ENGINEERING, cilt.32, sa.11, 2016 (SCI-Expanded)
- XXII. **Quantification of liver fat: A comprehensive review**
Goceri E., Shah Z. K., Layman R., Jiang X., Gurcan M. N.
COMPUTERS IN BIOLOGY AND MEDICINE, cilt.71, ss.174-189, 2016 (SCI-Expanded)
- XXIII. **A comparative performance evaluation of various approaches for liver segmentation from SPIR images**
GÖÇERİ E., Ünlü M. Z., Dicle O.
Turkish Journal of Electrical Engineering and Computer Sciences, cilt.23, sa.3, ss.741-768, 2015 (SCI-Expanded)
- XXIV. **Fully automated liver segmentation from SPIR image series**
Goceri E., Guercan M. N., DİCLE O.
COMPUTERS IN BIOLOGY AND MEDICINE, cilt.53, ss.265-278, 2014 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **An Application for Automated Diagnosis of Facial Dermatological Diseases**
GÖÇERİ E.
Izmir Katip Celebi University Faculty of Health Science Journal, cilt.6, sa.3, ss.91-99, 2021 (Hakemli Dergi)
- II. **Fully Automated and Adaptive Intensity Normalization Using Statistical Features for Brain MR Images**
GÖÇERİ E.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, cilt.14, ss.125-134, 2018 (Hakemli Dergi)
- III. **Automated Detection of Facial Disorders (ADFD): a novel approach based-on digital photographs**
GÖÇERİ E., GÜNAY M.
COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING-IMAGING AND VISUALIZATION, cilt.6, sa.6, ss.607-617, 2018 (ESCI)
- IV. **Advances in Digital Pathology**
GÖÇERİ E.
International Journal of Emerging Trends in Health Sciences, cilt.1, sa.2, ss.49-55, 2017 (Hakemli Dergi)
- V. **MR Kafa Görüntülerinden Otomatik Kafatası, Doku ve Lezyon Bölütlemesi: Olasılıksal ve Kararlı Bir Yaklaşım**
GÖÇERİ E., GÜNAY M., ŞENOL A. U.
Süleyman Demirel Üniversitesi Fen Bilimleri Dergisi, cilt.1, sa.1, ss.1, 2017 (Hakemli Dergi)
- VI. **JPEG2000 Standardının Yeni Özelliklerini Destekleyen Bir Görüntü İşleme Uygulaması Geliştirilmesi**
GÖÇERİ E., YALDIR A.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK

Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **Analysis of Capsule Networks for Image Classification**
GÖÇERİ E.
The 15th International Conference on Computer Graphics, Visualization, Computer Vision and Image Processing (CVGCVIP 2021), 21 - 23 Temmuz 2021, ss.53-60, (Tam Metin Bildiri)
- II. **Capsule Neural Networks in Classification of Skin Lesions**
GÖÇERİ E.
The 15th International Conference on Computer Graphics, Visualization, Computer Vision and Image Processing (CVGCVIP 2021), 21 - 23 Temmuz 2021, ss.29-36, (Tam Metin Bildiri)
- III. **Automated Skin Cancer Detection: Where We Are and The Way to The Future**
GÖÇERİ E.
44th International Conference on Telecommunications and Signal Processing (TSP), ELECTR NETWORK, 26 - 28 Temmuz 2021, ss.48-51, (Tam Metin Bildiri)
- IV. **Image Augmentation for Deep Learning Based Lesion Classification from Skin Images**
GÖÇERİ E.
The 4th IEEE International Conference on Image Processing, Applications and Systems (IPAS 2020), Cenova, İtalya, 9 - 11 Aralık 2020, ss.144-148
- V. **Convolutional Neural Network Based Desktop Applications to Classify Dermatological Diseases**
GÖÇERİ E.
The 4th IEEE International Conference on Image Processing, Applications and Systems (IPAS 2020), Cenova, İtalya, 9 - 11 Aralık 2020, ss.138-143, (Tam Metin Bildiri)
- VI. **Comparative Evaluations of CNN Based Networks for Skin Lesion Classification**
GÖÇERİ E., AKMAN KARAKAŞ A.
14th International Conference on Computer Graphics, Visualization, Computer Vision and Image Processing (CGVCVIP2020), Zagreb, Hırvatistan, 23 - 25 Temmuz 2020, ss.237-242, (Tam Metin Bildiri)
- VII. **Impact of Deep Learning and Smartphone Technologies in Dermatology: Automated Diagnosis**
GÖÇERİ E.
10th International Conference on Image Processing Theory, Tools and Applications (IPTA), ELECTR NETWORK, 9 - 12 Kasım 2020
- VIII. **Skin Disease Diagnosis from Photographs Using Deep Learning**
GÖÇERİ E.
VII. Thematic Conference on Computational Vision and Medical Image Processing (VipIMAGE 2019), Porto, Portekiz, 16 - 18 Ekim 2019, cilt.34, ss.239-246
- IX. **Challenges and Recent Solutions for Image Segmentation in the Era of Deep Learning**
GÖÇERİ E.
9th International Conference on Image Processing Theory, Tools and Applications (IPTA), İstanbul, Türkiye, 6 - 09 Kasım 2019, (Tam Metin Bildiri)
- X. **Analysis of Deep Networks with Residual Blocks and Different Activation Functions: Classification of Skin Diseases**
GÖÇERİ E.
9th International Conference on Image Processing Theory, Tools and Applications (IPTA), İstanbul, Türkiye, 6 - 09 Kasım 2019, (Tam Metin Bildiri)
- XI. **On The Importance of Batch Size for Deep Learning**
GÖÇERİ E., Gooya A.
Conf. on Mathematics (ICOMATH2018), An Istanbul Meeting for World Mathematicians, Minisymposium on Approximation Theory Minisymposium on Math Education, İstanbul, Türkiye, 3 - 06 Temmuz 2018, ss.99, (Özet Bildiri)

- XII. **Comparison of Weighted K-Means Clustering Approaches**
GÖÇERİ E., Dura E.
International Conf. on Mathematics (ICOMATH2018), An Istanbul Meeting for World Mathematicians,
Minisymposium on Approximation Theory Minisymposium on Math Education, İstanbul, Türkiye, 3 - 06 Temmuz
2018, ss.98
- XIII. **Formulas Behind Deep Learning Success**
GÖÇERİ E.
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM2018), İstanbul, Türkiye, 20 -
24 Haziran 2018, ss.156, (Özet Bildiri)
- XIV. **A Method for Leukocyte Segmentation Using Modified Gram-Schmidt Orthogonalization and
Expectation-Maximization**
GÖÇERİ E.
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM2018), İstanbul, Türkiye, 20 -
24 Haziran 2018, ss.18, (Özet Bildiri)
- XV. **Automated Measurement of Changes in Cortical Thickness from MR Images**
GÖÇERİ E.
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM2018), İstanbul, Türkiye, 20 -
24 Haziran 2018, ss.78
- XVI. **Biomedical Information Technology: Image Based Computer Aided Diagnosis Systems**
GÖÇERİ E., Songül C.
The 7th International Conference on Advanced Technologies (ICAT'18), Antalya, Türkiye, 28 - 30 Nisan 2018,
ss.132
- XVII. **Mobile Health Technologies for Patients with Mental Illness**
GÖÇERİ E., Songül C.
The 7th International Conference on Advanced Technologies (ICAT'18), Antalya, Türkiye, 28 - 30 Nisan 2018,
ss.146
- XVIII. **Adaptive Bias Field Correction: Application on Abdominal MR Images**
GÖÇERİ E., Dura E., Esteve J. D., GÜNEY M.
6th ECCOMAS Thematic Conference on Computational Vision and Medical Image Processing (VipIMAGE), Porto,
Portekiz, 18 - 20 Ekim 2017, cilt.27, ss.102-110
- XIX. **Deep Learning in Medical Image Analysis: Recent Advances and Future Trends**
GÖÇERİ E., GOCERİ N.
Computer Graphics, Visualization, Computer Vision and Image Processing (CGVCVIP2017), Lisbon, Portekiz, 20 -
23 Temmuz 2017, ss.305-310
- XX. **Intensity Normalization in Brain MR Images Using Spatially Varying Distribution Matching**
GÖÇERİ E.
11th International Conference on Computer Graphics, Visualization, Computer Vision and Image Processing
(CGVCVIP), Lisbon, Portekiz, 21 - 23 Temmuz 2017, ss.300-304
- XXI. **Computer-Based Segmentation, Change Detection and Quantification for Lesions in Multiple Sclerosis**
GÖÇERİ E., Songul C.
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Türkiye, 5 - 08 Ekim 2017,
ss.177-182
- XXII. **Automated Detection and Extraction of Skull from MR Head Images: Preliminary Results**
GÖÇERİ E., Songul C.
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Türkiye, 5 - 08 Ekim 2017,
ss.171-176
- XXIII. **Artificial neural network based abdominal organ segmentations: A review**
Goceri E., MARTINEZ E.
IEEE 14th International Conference on Machine Learning and Applications, ICMLA 2015, Florida, Amerika Birleşik
Devletleri, 9 - 11 Aralık 2015, ss.1191-1194, (Tam Metin Bildiri)
- XXIV. **Automated detection of adenoviral conjunctivitis disease from facial images using machine learning**

- GÜNAY M., KUCUKOGLU I., GÖÇERİ E., DANIŞMAN T., ALTURJMAN F.
IEEE 14th International Conference on Machine Learning and Applications, ICMLA 2015, Florida, Amerika Birleşik Devletleri, 9 - 11 Aralık 2015, ss.1204-1209, (Tam Metin Bildiri)
- XXV. **Review on Machine Learning Based Lesion Segmentation Methods from Brain MR Images**
GÖÇERİ E., Dura E., GÜNAY M.
15th IEEE International Conference on Machine Learning and Applications (ICMLA), California, Amerika Birleşik Devletleri, 18 - 20 Aralık 2016, ss.582-587
- XXVI. **Machine Learning for Optimum CT-Prediction for qPCR**
GÜNAY M., GÖÇERİ E., Balasubramaniyan R.
15th IEEE International Conference on Machine Learning and Applications (ICMLA), California, Amerika Birleşik Devletleri, 18 - 20 Aralık 2016, ss.588-592, (Tam Metin Bildiri)
- XXVII. **Iteratively learning a liver segmentation using probabilistic atlases: preliminary results**
Domingo J., Dura E., GÖÇERİ E.
15th IEEE International Conference on Machine Learning and Applications (ICMLA), California, Amerika Birleşik Devletleri, 18 - 20 Aralık 2016, ss.593-598
- XXVIII. **A Neural Network Based Kidney Segmentation from MR Images**
GÖÇERİ N., GÖÇERİ E.
The 14th IEEE International Conference on Machine Learning and Applications (ICMLA'15), Miami, Amerika Birleşik Devletleri, 9 - 11 Aralık 2015, ss.1195-1198, (Tam Metin Bildiri)
- XXIX. **Automated Detection of Adenoviral Conjunctivitis Disease from Facial Images using Machine Learning**
GÜNAY M., GÖÇERİ E., DANIŞMAN T.
14th IEEE International Conference on Machine Learning and Applications, Miami, Amerika Birleşik Devletleri, 9 - 11 Aralık 2015, ss.1
- XXX. **Automated Detection of Facial Disorders (ADFD): A Novel Approach Based-on Digital Photographs**
GÖÇERİ E., GÜNAY M., Alturjman F.
The 28th International Conference of The Jangjeon Mathematical Society, Antalya, Türkiye, 15 - 19 Mayıs 2015, ss.126
- XXXI. **Effects of Chosen Scalar Products on Gradient Descent Algorithms**
GÖÇERİ E.
The 28th International Conference of The Jangjeon Mathematical Society (ICJMS 2015), Antalya, Türkiye, 15 - 19 Mayıs 2015, ss.90, (Tam Metin Bildiri)
- XXXII. **A Level Set Method with Sobolev Gradient and Haralick Edge Detection**
GÖÇERİ E., Dura E.
The 9th World Conference on Information Technology (WCIT 2013), Brüksel, Belçika, 26 - 27 Kasım 2013, ss.5
- XXXIII. **A Liver Segmentation Method Based on Partial Differential Equation and Signed Pressure Force Function**
GÖÇERİ E., Ünlü M., Güzelış C., Dicle O.
17th National Biomedical Engineering Meeting Proceedings (BIYOMUT 2012), İstanbul, Türkiye, 3 - 05 Ekim 2012, ss.237-240
- XXXIV. **An Automatic Level Set Based Liver Segmentation from MRI Data Sets**
Goceri E., UNLU M. Z., GUZELIS C., DICLE O.
3rd International Conference on Image Processing Theory, Tools and Applications (IPTA), İstanbul, Türkiye, 15 - 18 Ekim 2012, ss.192-197
- XXXV. **Application of the Histogram Analysis in Radiation Therapy HART: An Open Source Software System**
Pyakuryal, A., Pokhrel, D., Gopalakrishnan M., Jang S., Jincong L., GÖÇERİ E., Sathiaseelan V., Mittal B.
54th American Association of Physicists in Medicine (AAPM) Meeting, Vancouver, Kanada, 31 Temmuz - 04 Ağustos 2011, cilt.38, sa.6, ss.3678-3679, (Tam Metin Bildiri)
- XXXVI. **Automatic Kidney Segmentation Using Gaussian Mixture Model on MRI Sequences**
GÖÇERİ E.
International Conference on Electric and Electronics (EEIC 2011), Nanchang, Çin, 20 - 22 Haziran 2011, ss.23-29,

(Tam Metin Bildiri)

- XXXVII. **Expectation Maximization And Gaussian Model Based Segmentation on Histology Slides**
GÖÇERİ E.
The International Symposium on Computing in Informatics and Mathematics (ISCIM 2011), Tirana-Durres, Arnavutluk, 2 - 04 Haziran 2011, ss.649-656, (Tam Metin Bildiri)
- XXXVIII. **PCA Based Bayesian Approach for Automatic Multiple Sclerosis Lesion Detection**
GÖÇERİ E.
The International Symposium on Computing in Informatics and Mathematics (ISCIM 2011), Tirana-Durres, Arnavutluk, 2 - 04 Haziran 2011, ss.687-694
- XXXIX. **B-Spline Based MR and CT Image Registration for Pre-operation of Liver Transplantation**
GÖÇERİ E.
The International Congress on Applications and Computer Science, (CAC2010), Singapur, Singapur, 4 - 06 Aralık 2010, ss.952-955
- XL. **Liver Segmentation Techniques in MRI with Performance Analysis of Two Level Set Based Methods and A Novel Segmentation Approach**
GÖÇERİ E., Ünlü M.
5th National Biomechanical Congress (with international participation), İzmir, Türkiye, 23 - 25 Eylül 2010, ss.53
- XLI. **Interpolation approaches and spline based resampling for MR images**
Göçeri E., LOMÉNIE N.
2010 5th International Symposium on Health Informatics and Bioinformatics, HIBIT 2010, Antalya, Türkiye, 20 - 22 Nisan 2010, ss.137-143, (Tam Metin Bildiri)
- XLII. **Developing an Image Processing Application on Compression and Filtering of Multidimensional Medical Images**
GÖÇERİ E., Yaldr K.
10th Integrated Design and Process Technology (IDPT-2007), Antalya, Türkiye, 3 - 08 Haziran 2007, ss.36-40
- XLIII. **Sustained Image Quality When Performing Image Processing Tehcniques on Wavelet Compressed Medical Images**
GÖÇERİ E., Yaldr A.
Second Annual Yök-Suny Collaboration Symposium, Scientific Collaboration For Sustainable Development, Adana, Türkiye, 23 - 25 Mayıs 2007, ss.305-311, (Tam Metin Bildiri)
- XLIV. **Geliştirilmekte Olan Görüntü Sıkıştırma Standardı JPEG2000 ve Eklenen Yeni Özellikleri**
GÖÇERİ E., YALDIR A.
Akademik Bilişim, Kütahya, Türkiye, 31 Ocak - 02 Şubat 2007, ss.67-72
- XLV. **Geliştirilmekte Olan Görüntü Sıkıştırma Standardı JPEG2000 ve Eklenen Yeni Özellikleri. Akademik Bilişim**
GÖÇERİ E., Yaldr K.
Akademik Bilişim, Kütahya, Türkiye, 31 Ocak - 02 Şubat 2007, ss.67-72
- XLVI. **Çok Boyutlu Görüntüler için JPEG2000 Standardını Destekleyen Görüntü İşleme Uygulaması**
GÖÇERİ E., Yaldr K.
Akademik Bilişim, Kütahya, Türkiye, 31 Ocak - 02 Şubat 2007, ss.63-66, (Tam Metin Bildiri)

Metrikler

Yayın: 76

Atıf (WoS): 677

Atıf (Scopus): 1602

H-İndeks (WoS): 15

H-İndeks (Scopus): 26