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International Researcher IDs
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Publons / Web Of Science ResearcherID: E-9139-2018
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Education Information

Doctorate, Cukurova University, Fen Bilimleri, Elektrik- Elektronik Mühendisliği, Turkey 2012 - 2015

Postgraduate, Cukurova University, Fen Bilimleri, Bilgisayar Mühendisliği, Turkey 2010 - 2012

Undergraduate, Cukurova University, Mühendislik Mimarlık Fakülttesi, Bilgisayar Mühendisliği, Turkey 2006 - 2010

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, A new classifier topology ? generalized classifier neural network and its hardware implementations, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, 2015

Postgraduate, An error correcting code based SVM approach for multiclass classification, Cukurova University, Fen Bilimleri, Bilgisayar Mühendisliği, 2012

Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Cukurova University, Mühendislik Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2018 - Continues

Assistant Professor, Cukurova University, Mühendislik Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2016 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Deep Convolutional Generalized Classifier Neural Network**
   Sarigul M., ÖZYILDIRIM B. M., AVCI M.
   NEURAL PROCESSING LETTERS, vol.51, no.3, pp.2839-2854, 2020 (SCI-Expanded)

II. **Differential convolutional neural network**
Sarigul M., ÖZYILDIRIM B. M., AVCI M.
NEURAL NETWORKS, vol.116, pp.279-287, 2019 (SCI-Expanded)

III. **PATTERN LAYER REDUCTION FOR A GENERALIZED REGRESSION NEURAL NETWORK BY USING A SELF-ORGANIZING MAP**
KARTAL S., ORAL M., ÖZYILDIRIM B. M.
INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE, vol.28, no.2, pp.411-424, 2018 (SCI-Expanded)

IV. **One pass learning for generalized classifier neural network**
Özyıldırım B. M., AVCI M.
NEURAL NETWORKS, vol.73, pp.70-76, 2016 (SCI-Expanded)

V. **Logarithmic learning for generalized classifier neural network**
Özyıldırım B. M., AVCI M.
NEURAL NETWORKS, vol.60, pp.133-140, 2014 (SCI-Expanded)

VI. **Generalized classifier neural network**
Özyıldırım B. M., AVCI M.
NEURAL NETWORKS, vol.39, pp.18-26, 2013 (SCI-Expanded)

Articles Published in Other Journals

I. **Kamera Görüntüsü Tabanlı Kömür Tozu Patlayabilirlik Ölçme Sistemi**
ÜRÜNVEREN A., ÖZYILDIRIM B. M., AVCI M., URAL S.
ÇUKUROVA ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, vol.33, no.4, pp.123-132, 2018 (Peer-Reviewed Journal)

II. **Genelleştirilmiş regresyon yapay sinir ağı örüntü katman büyüklüğünü azaltmak için kümeleme tabanlı bir yaklaşım**
ORAL M., KARTAL S., ÖZYILDIRIM B. M.
Pamukkale Ã?niversitesi MÃ¼hendislik Bilimleri Dergisi, 2018 (Peer-Reviewed Journal)

III. **An Empirical Study of the Extreme Learning Machine for Twitter Sentiment Analysis**
ÇOBAN Ö., ÖZYILDIRIM B. M., ÖZEL S. A.
International Journal of Intelligent Systems and Applications in Engineering, vol.6, no.3, pp.178-184, 2018 (Peer-Reviewed Journal)

IV. **A cluster based approach to reduce pattern layer size for generalized regression neural network**
ORAL M., KARTAL S., ÖZYILDIRIM B. M.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.5, pp.857-863, 2018 (ESCI)

Books & Book Chapters

I. **Case Study: Deep Convolutional Networks in Healthcare**
Avcı M., Sarıgül M., Özyıldırım B. M.
in: Development and Analysis of Deep Learning Architectures, Pedrycz Witold, Chen Shyi-Ming, Editor, Springer, pp.61-89, 2020

II. **İşletim Sistemleri ve Sistem Programlama**
AVCI M., ÖZYILDIRIM B. M., ÜLGEN O.
Karahan Kitabevi Yayınları, Ankara, 2012

Refereed Congress / Symposium Publications in Proceedings

I. **A Review of Applied Feature Selection and Dimension Reduction Methods for Clustering**
DİNÇ B., ÖZYILDIRIM B. M., ÖZEL S. A.
3rd International Mediterranean Science and Engineering Congress (IMSEC 2018), Adana, Turkey, 24 - 26 October 2018

II. **Deep Learning on Mobile Systems**
Curukoglu N., ÖZYILDIRIM B. M.
Innovations in Intelligent Systems and Applications Conference (ASYU), Adana, Turkey, 4 - 06 October 2018, pp.179-182

III. **Handwritten Digits Classification with Generalized Classifier Neural Network**
ÖZYILDIRIM B. M., AVCI M.
Innovations in Intelligent Systems and Applications Conference (ASYU), Adana, Turkey, 4 - 06 October 2018, pp.187-189

IV. **Image Classification of Aerial Images Using CNN-SVM**
Copur M., ÖZYILDIRIM B. M., İBRİKÇİ T.
Innovations in Intelligent Systems and Applications Conference (ASYU), Adana, Turkey, 4 - 06 October 2018, pp.89-94

V. **A Deep convolutional neural network model for detecting diabetıc retinopathy.**
ÖZYILDIRIM B. M., ORAL M., KARTAL S.
International Congress on Advance in Bioscience and Biotechnology, 25 October 2017 - 29 January 2018

VI. **Comparison of convolutional neural network models for food image classification**
ÖZSERT YİĞİT G., ÖZYILDIRIM B. M.
2017 IEEE International Conference on INnovations in Intelligent SysTems and Applications (INISTA 2017), Gdynia, Poland, 3 - 05 July 2017, pp.349-353

VII. **Comparison of Convolutional Neural Network Models for Food Image Classification**
Ozsert Yigit G., ÖZYILDIRIM B. M.
IEEE International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Gdynia, Poland, 3 - 05 July 2017, pp.349-353

VIII. **Antik Madeni Paraların Derin Konvolüsyon Yapay Sinir Ağları İle Sınıflandırılması**
ÖZYILDIRIM B. M., AVCI M.
ASYU 2016, Turkey, 29 September - 01 October 2016

IX. **Comparison of Deep Convolutional Neural Network Structures The effect of layer counts and kernel sizes**
KARTAL S., ÖZYILDIRIM B. M.
Fourth International Conference on Advances in Information Processing and Communication Technology - IPCT 2016, Roma, Italy, 18 - 19 August 2016, pp.16-19

X. **Cellular Neural Networks Based Face Detection Utilizing Graphical Processor**
ÖZYILDIRIM B. M., AVCI M.
International Symposium on Innovations in Intelligent SysTems and Applications (INISTA 2010), 21 - 24 June 2010

XI. **Minix işletim sistemi üzarinde kullanıcı düzeyinde semafor gerçeklemesi**
ÖZYILDIRIM B. M., AVCI M.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi 30.yıl sempozyumu, Turkey, 5 - 08 October 2008

Supported Projects

ÖZYILDIRIM B. M., ÇOPUR M., Project Supported by Higher Education Institutions, MODIFIED RECURRENT CONVOLUTIONAL NEURAL NETWORKS FOR ACTION RECOGNITION, 2018 - 2020
URAL S., AVCI M., ÖZYILDIRIM B. M., ALTINER M., ÜRÜNVEREN A., ÖZDEMİR A. C., URAL O. B., Project Supported by Higher Education Institutions, Türk Kömürlerinin Toz Patlama Özelliklerinin Belirlenmesi, 2017 - 2018

Metrics

Publication: 23
Citation (WoS): 138
Citation (Scopus): 197
H-Index (WoS): 4
H-Index (Scopus): 5

Scholarships

Yurt İçi Doktora Burs Programı, TUBITAK, 2015 - Continues
Genel Yurt İçi Yüksek Lisans Burs Programı, TUBITAK, 2012 - Continues