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Personal Information

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Education Information

Postgraduate, Cukurova University, Mühendislik Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2012 - 2015
Undergraduate, Cukurova University, Mühendislik Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2005 - 2010

Dissertations

Postgraduate, Q Regression Neural Network, Cukurova University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2015

Academic Titles / Tasks

Assistant Professor, Cukurova University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2023 - Continues
Assistant Professor, Iskenderun Technical University, Faculty Of Engıneerıng And Natural Scıences, Department Of Computer Engıneerıng, 2020 - 2023
Research Assistant, Iskenderun Technical University, Faculty Of Engıneerıng And Natural Scıences, Department Of Computer Engıneerıng, 2018 - 2020
Research Assistant, Cukurova University, 2014 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Logarithmic Learning Differential Convolutional Neural Network**
Yasin M., SARIGÜL M., AVCI M.
Neural Networks, vol.172, 2024 (SCI-Expanded)

II. **Region contrastive camera localization**
Sarigul M., Karacan L.
PATTERN RECOGNITION LETTERS, vol.169, pp.110-117, 2023 (SCI-Expanded)

III. **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)

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

V. **Estimation of daily global solar radiation using deep learning model**
Kaba K., Sarigul M., AVCI M., KANDIRMAZ H.
ENERGY, vol.162, pp.126-135, 2018 (SCI-Expanded)

VI. **Q LEARNING REGRESSION NEURAL NETWORK**
SARIGUL M., AVCI M.

NEURAL NETWORK WORLD, vol.28, no.5, pp.415-431, 2018 (SCI-Expanded)

Articles Published in Other Journals

I. **Görüntü Sınıflandırma Görevi için CNN Kanal Dikkat Modüllerinin Performans Analizi**
SARIGÜL M.
Çukurova Üniversitesi Mühendislik Fakültesi dergisi, vol.38, pp.35-40, 2023 (Peer-Reviewed Journal)

II. **Learning-Based Image Rendering**
SOLMAZ M. K., SARIGÜL M., KARACAN L.
Journal of Intelligent Systems with Applications, 2022 (Peer-Reviewed Journal)

III. **Scene Construction from Depth Map Using Image-to-Image Translation Model**
AVŞAR H., SARIGÜL M., KARACAN L.
Journal of Intelligent Systems with Applications, 2022 (Peer-Reviewed Journal)

IV. **Interpolation-Based Smart Video Stabilization**
Dervişoğlu S., SARIGÜL M., KARACAN L.
Journal of Intelligent Systems with Applications, 2021 (Peer-Reviewed Journal)

V. **Classifying stable and unstable videos with deep convolutional networks**
SARIGÜL M., KARACAN L.
Journal of Intelligent Systems with Applications, 2020 (Peer-Reviewed Journal)

VI. **Performance comparison of different momentum techniques on deep reinforcement learning**
SARIGÜL M., AVCI M.
JOURNAL OF INFORMATION AND TELECOMMUNICATION, vol.2, no.2, pp.205-216, 2018 (Peer-Reviewed Journal)

VII. **Comparison of Different Deep Structures for Fish Classification**
SARIGÜL M., AVCI M.
International Journal of Computer Theory and Engineering, vol.9, no.5, pp.362-366, 2017 (Peer-Reviewed Journal)

VIII. **Position resolution study at high energies of a sampling electromagnetic calorimeter whose active material is a scintillator with Peroxide-cured polysiloxane base**
Aydin G., Sarigul M., Sarigul H.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, vol.955, 1 (Peer-Reviewed Journal)

IX. **A survey on digital video stabilization**
Sarigul M.
MULTIMEDIA TOOLS AND APPLICATIONS, 1 (Peer-Reviewed Journal)

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

Refereed Congress / Symposium Publications in Proceedings

I. **AN OPTIMIZATION-BASED VIDEO STABILIZATION APPROACH**
Dervişoğlu S., SARIGÜL M., KARACAN L.
6th INTERNATIONAL ICONTECH CONFERENCE ON INNOVATIVE SURVEYS IN POSITIVE SCIENCES, Rijeka, Croatia, 04 December 2022, pp.145-149

II. **Görüntü Tabanlı Kamera Konumlandırma İçin Farklı Eniyileme Tekniklerinin Başarım**

Değerlendirmesi
SOLMAZ M. K., SARIGÜL M., KARACAN L.
Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Karabük, Turkey, 15 May 2022

III. **Learning-Based Image Rendering**
SOLMAZ M. K., SARIGÜL M., KARACAN L.
4. International Conference on Artificial Intelligence towards Industry 4.0, Hatay, Turkey, 11 - 12 November 2021

IV. **Scene Construction from Depth Map Using Image-to-Image Translation Model**
Avşar H., SARIGÜL M., KARACAN L.
4. International Conference on Artificial Intelligence towards Industry 4.0, Hatay, Turkey, 11 - 12 November 2021

V. **Interpolation-based smart video stabilization**
Dervişoğlu S., SARIGÜL M., KARACAN L.
4. International Conference on Artificial Intelligence towards Industry 4.0, Hatay, Turkey, 11 - 12 November 2021

VI. **Classifying Stable and Unstable Videos with Deep Convolutional Networks**
SARIGÜL M., KARACAN L.
3. International Conference on Artificial Intelligence towards Industry 4.0, 12 - 13 November 2020

VII. **Pattern transfer between images of different species of butterflies using CycleGan**
SARIGÜL M.
International Conference on Artificial Intelligence towards Industry 4.0, 14 - 16 November 2019

VIII. **Image compression with deep autoencoders on bird images**
SARIGÜL M., AVCI M.
International Conference on Artificial Intelligence towards Industry 4.0, 15 - 17 November 2018

IX. **Effect of pre-trained deep neural network usage on performance of image classification**
SARIGÜL M., AVCI M.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 October 2017

X. **Performance Analysis of Different Convolutional Neural Network Structures on Bird Classification**
SARIGÜL M., AVCI M.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 October 2017

XI. **Performance Comparision of Different Momentum Techniques on Deep Reinforcement Learning**
SARIGÜL M., AVCI M.
IEEE International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Gdynia, Poland, 3 - 05 July 2017, pp.302-306

Supported Projects

Sarıgül M., Karacan L., TUBITAK Project, Seri Çekim Görüntülerinin Görüntü İyileştirmesinde ve Restorasyonunda Difüzyon Olasılıksal Modellerin Kullanımı, 2024 - 2026
Sarıgül M., Karacan L., TUBITAK Project, Self-Supervised Deep Learning Approach for Video Stabilization , 2021 - 2023

Scientific Research / Working Group Memberships

Cukurova Aı, Cukurova University, Turkey, https://cukurovaai.github.io/, 2023 - Continues

Metrics

Publication: 27
Citation (WoS): 210
Citation (Scopus): 243
H-Index (WoS): 3

H-Index (Scopus): 4