

Asst. Prof. MEHMET SARIGÜL

Personal Information

Email: msarigul@cu.edu.tr

Web: <https://avesis.cu.edu.tr//msarigul>

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 Engineering And Natural Sciences, Department Of Computer Engineering, 2020 - 2023

Research Assistant, Iskenderun Technical University, Faculty Of Engineering And Natural Sciences, Department Of Computer Engineering, 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.

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., Sarigül M., Özylidorum 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

Ata B., Sarıgül M., Karacan L., TUBITAK Project, Large Language Model-Enhanced Visual Simultaneous Localization and Mapping for Robot Task and Motion Planning, 2024 - 2027

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 Ai, Cukurova University, Türkiye, <https://cukurovaaai.github.io/>, 2023 - Continues

Metrics

Publication: 27

Citation (WoS): 210

Citation (Scopus): 243

H-Index (WoS): 3

H-Index (Scopus): 4