

## Assoc. Prof. CEMİL ZALLUHOĞLU

### Personal Information

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### International Researcher IDs

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### Education

Doctorate, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2012 - 2019

Undergraduate, Anadolu University, Faculty Of Business Administration, İşletme ( Açıköğretim), Turkey 2009 - 2013

Undergraduate, Ankara University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2007 - 2012

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Deep learning architectures for collective activity recognition, Hacettepe University, Fen Bilimleri Enstitüsü, 2019

### Research Areas

Computer Sciences, Computer Vision, Computer Vision, Engineering and Technology

### Academic Positions

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2021 - Continues

Lecturer PhD, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2020 - 2021

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011 - 2020

### Journal articles indexed in SCI, SSCI, and AHCI

- I. **Region-Based Semi-Two-Stream Convolutional Neural Networks for Pressure Ulcer Recognition**  
ZALLUHOĞLU C., Akdogan D., Karakaya D., GÜZEL M. S., Ulgu M. M., Ardali K., Boyali A. O., SEZER E.  
JOURNAL OF IMAGING INFORMATICS IN MEDICINE, no.2, pp.801-813, 2024 (SCI-Expanded)
- II. **TR-BI-RADS: a novel dataset for BI-RADS based mammography classification**  
Ülgü M. M., ZALLUHOĞLU C., Birinci S., Yarbay Y., SEZER E.

- Neural Computing and Applications, vol.36, no.7, pp.3699-3709, 2024 (SCI-Expanded)
- III. **A Review of COVID-19 Diagnostic Approaches in Computer Vision**  
Zalluhoğlu C.  
CURRENT MEDICAL IMAGING REVIEWS, vol.19, no.7, pp.695-712, 2023 (SCI-Expanded)
- IV. **Lightweight and attention-based CNN architecture for wildfire detection using UAV vision data**  
Aral R. A., ZALLUHOĞLU C., Akcapinar Sezer E.  
International Journal of Remote Sensing, vol.44, no.18, pp.5768-5787, 2023 (SCI-Expanded)
- V. **Comparison of 2D and 3D attention mechanisms for human (collective) activity recognition**  
ZALLUHOĞLU C., İKİZLER CİNBIŞ N.  
SIGNAL IMAGE AND VIDEO PROCESSING, vol.16, no.4, pp.865-872, 2022 (SCI-Expanded)
- VI. **Multi-stream pose convolutional neural networks for human interaction recognition in images**  
Tanisik G., ZALLUHOĞLU C., İKİZLER CİNBIŞ N.  
SIGNAL PROCESSING-IMAGE COMMUNICATION, vol.95, 2021 (SCI-Expanded)
- VII. **An evolutionary-based image classification approach through facial attributes**  
YILMAZ S., ZALLUHOĞLU C.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.29, no.2, pp.860-874, 2021 (SCI-Expanded)
- VIII. **Collective Sports: A multi-task dataset for collective activity recognition**  
ZALLUHOĞLU C., İKİZLER CİNBIŞ N.  
IMAGE AND VISION COMPUTING, vol.94, 2020 (SCI-Expanded)
- IX. **Region based multi-stream convolutional neural networks for collective activity recognition**  
ZALLUHOĞLU C., İKİZLER CİNBIŞ N.  
Journal of Visual Communication and Image Representation, vol.60, pp.170-179, 2019 (SCI-Expanded)
- X. **Facial descriptors for human interaction recognition in still images**  
TANIŞIK G., ZALLUHOĞLU C., İKİZLER CİNBIŞ N.  
PATTERN RECOGNITION LETTERS, vol.73, pp.44-51, 2016 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Feature-Oriented Remaining Useful Life Prediction of Aircraft Engines Based on Sensor Data**  
Girgin K. Ç., ZALLUHOĞLU C.  
Avrupa Bilim ve Teknoloji Dergisi, 2022 (Peer-Reviewed Journal)
- II. **Dijital Çine-Tepecik Projesi Kapsamında Seramik Buluntuları Üzerindeki Uygulamalar ve Değerlendirme**  
SEZER E., ZALLUHOĞLU C., KIYAK T. K.  
Arkeoloji ve Sanat, no.168, pp.27-38, 2021 (Peer-Reviewed Journal)
- III. **Analysis of an Image Recognition Method on Group Activities Analysis of an Image Recognition Method on Group Activities**  
ZALLUHOĞLU C.  
Avrupa Bilim ve Teknoloji Dergisi, 2020 (Peer-Reviewed Journal)

### Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Wildfire Classification Using Infrared Unmanned Aerial Vehicle Data with Convolutional Neural Networks**  
Aral R. A., ZALLUHOĞLU C., SEZER E.  
2023 International Conference on Smart Applications, Communications and Networking, SmartNets 2023, İstanbul, Turkey, 25 - 27 July 2023, (Full Text)
- II. **Covid-19: Automatic detection from X-Ray images using attention mechanisms**

Zalluhođlu C., Őenokur C.

5. Uluslararası Mühendislikte Yapay Zeka ve Uygulamalı Matematik Konferansı, Baku, Azerbaijan, 20 May 2022,  
(Full Text)

III. **Using deep multiple instance learning for action recognition in still images**

BAŐ Ç., ZALLUHOĐLU C., İKİZLER CİNBIŐ N.

2017 25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, Turkey, 15 - 18  
May 2017, (Full Text)

IV. **Counting People in Crowded Scenes via Detection and Regression Fusion**

ZALLUHOĐLU C., İKİZLER CİNBIŐ N.

ICIAR, 13 - 15 July 2016, (Full Text)

## **Metrics**

Publication: 17

Citation (WoS): 38

Citation (Scopus): 53

H-Index (WoS): 3

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