

Assoc. Prof. ALİ SEYDİ KEÇELİ

Personal Information

Other Email: aliseydi@cs.hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/aliseydi.keceli>

International Researcher IDs

Publons / Web Of Science ResearcherID: M-3158-2018

Yoksis Researcher ID: 36190

Education Information

Doctorate, Hacettepe University, Mühendislik Fakültesi, Bilgisayar, Turkey 2009 - 2015

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Beyindeki beyaz cevher lezyonlarının otomatik belirlenmesi için bir yazılımın tasarım ve gerçekleştirimi, Hacettepe Üniversitesi, Mühendislik Fakültesi, Bilgisayar Bilimleri Mühendisliği Bölümü, 2009

Research Areas

Computer Sciences, Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition, Pattern Recognition and Image Processing, Software, Software Engineering, Engineering and Technology

Academic Titles / Tasks

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

Assistant Professor, Cankaya University, Faculty Of Engineering, Department Of Software Engineering, 2019 - 2021

Assistant Professor, National Defense University, Turkish Military Academy, Department Of Computer Engineering, 2018 - 2019

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2007 - 2018

Courses

Fundamentals of Image Processing, Undergraduate, 2022 - 2023

Computer Vision, Undergraduate, 2021 - 2022

Game Technologies, Postgraduate, 2021 - 2022

Bilgisayar Programlamaya Giriş 2, Undergraduate, 2017 - 2018

BBM105-Bilgisayar Mühendisliğine Giriş, Undergraduate, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Deep operational audio-visual emotion recognition**
Aktürk K., KEÇELİ A. S.
Neurocomputing, vol.588, 2024 (SCI-Expanded)
- II. **A shallow 3D convolutional neural network for violence detection in videos**
Dündar N., KEÇELİ A. S., KAYA A., Sever H.
Egyptian Informatics Journal, vol.26, 2024 (SCI-Expanded)
- III. **3D Skeletal Volume Templates for Deep Learning-Based Activity Recognition**
KEÇELİ A. S., Kaya A., CAN A. B.
ELECTRONICS, vol.11, no.21, 2022 (SCI-Expanded)
- IV. **Deep learning-based multi-task prediction system for plant disease and species detection**
KEÇELİ A. S., Kaya A., Catal C., Tekinerdogan B.
ECOLOGICAL INFORMATICS, vol.69, 2022 (SCI-Expanded)
- V. **Violent activity classification with transferred deep features and 3d-Cnn**
Keçeli A. S., Kaya A.
Signal Image And Video Processing, no.37, pp.1-8, 2022 (SCI-Expanded)
- VI. **Sensor Failure Tolerable Machine Learning-Based Food Quality Prediction Model**
KAYA A., Keceli A. S., Catal C., Tekinerdogan B.
SENSORS, vol.20, no.11, 2020 (SCI-Expanded)
- VII. **Development of a recurrent neural networks-based calving prediction model using activity and behavioral data**
Keceli A. S., Catal C., KAYA A., Tekinerdogan B.
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.170, 2020 (SCI-Expanded)
- VIII. **The impact of feature types, classifiers, and data balancing techniques on software vulnerability prediction models**
KAYA A., KEÇELİ A. S., Catal C., Tekinerdogan B.
JOURNAL OF SOFTWARE-EVOLUTION AND PROCESS, vol.31, no.9, 2019 (SCI-Expanded)
- IX. **Analysis of transfer learning for deep neural network based plant classification models**
KAYA A., KEÇELİ A. S., Catal C., YALIÇ H. Y., TEMUÇİN H., Tekinerdogan B.
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.158, pp.20-29, 2019 (SCI-Expanded)
- X. **Examination of various classification strategies in classification of lung nodule characteristics**
KAYA A., KEÇELİ A. S., CAN A. B.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.2, pp.710-725, 2019 (SCI-Expanded)
- XI. **Combining 2D and 3D deep models for action recognition with depth information**
KEÇELİ A. S., KAYA A., CAN A. B.
SIGNAL IMAGE AND VIDEO PROCESSING, vol.12, no.6, pp.1197-1205, 2018 (SCI-Expanded)
- XII. **Viewpoint projection based deep feature learning for single and dyadic action recognition**
KEÇELİ A. S.
Expert Systems with Applications, vol.104, pp.235-243, 2018 (SCI-Expanded)
- XIII. **Depth features to recognise dyadic interactions**
KEÇELİ A. S., KAYA A., CAN A. B.
IET Computer Vision, vol.12, no.3, pp.331-339, 2018 (SCI-Expanded)
- XIV. **Classification of radiolarian images with hand-crafted and deep features**
KEÇELİ A. S., KAYA A., KECELI S. U.
COMPUTERS & GEOSCIENCES, vol.109, pp.67-74, 2017 (SCI-Expanded)
- XV. **Cyclotorsion Detection by Using Scleral Blood Vessels**
KAYA A., KEÇELİ A. S., CAN A. B., Çakmak H. B.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.87, pp.152-161, 2017 (SCI-Expanded)
- XVI. **Cyclotorsion measurement using scleral blood vessels**

- KAYA A., KEÇELİ A. S., CAN A. B., Cakmak H. B.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.87, pp.152-161, 2017 (SCI-Expanded)
- XVII. **Violent activity detection with transfer learning method**
KEÇELİ A. S., KAYA A.
ELECTRONICS LETTERS, vol.53, no.15, pp.1047-1048, 2017 (SCI-Expanded)
- XVIII. **A GPU-Based Approach for Automatic Segmentation of White Matter Lesions**
KEÇELİ A. S., CAN A. B., KAYA A.
IETE JOURNAL OF RESEARCH, vol.63, no.4, pp.461-472, 2017 (SCI-Expanded)
- XIX. **RECOGNITION OF BASIC HUMAN ACTIONS USING DEPTH INFORMATION**
KEÇELİ A. S., CAN A. B.
INTERNATIONAL JOURNAL OF PATTERN RECOGNITION AND ARTIFICIAL INTELLIGENCE, vol.28, no.2, 2014 (SCI-Expanded)
- XX. **A computer program (TSecSoft) to determine mineral percentages using photographs obtained from thin sections**
YESİLOGLU-GULTEKİN N., KEÇELİ A. S., SEZER E., CAN A. B., GÖKÇEOĞLU C., BAYHAN H.
COMPUTERS & GEOSCIENCES, vol.46, pp.310-316, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Video Görüntülerinde Şiddet İçeren Aktivitelerin Lstm Ağı İle Tespiti**
KEÇELİ A. S., KAYA A.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.21, no.63, 2019 (Peer-Reviewed Journal)
- II. **Optik Akış Görüntüsü ve Bi-Lstm ile Şiddet İçeren Hareketlerin Sınıflandırılması**
KEÇELİ A. S., KAYA A.
Avrupa Bilim ve Teknoloji Dergisi, no.14, pp.204-208, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **ADS-B Attack Classification using Machine Learning Techniques**
Kacem T., KAYA A., KEÇELİ A. S., ÇATAL Ç., Wijsekera D., Costa P.
2021 IEEE Intelligent Vehicles Symposium Workshops (IV Workshops), Nagoya, Japan, 11 July 2021
- II. **Aşırı Öğrenme Makinesi Algoritmasını Kullanarak Yazılım Zafiyet Kestirimi**
KEÇELİ A. S., KAYA A., ÇATAL Ç., TEKİNERDOĞAN B.
Ulusal Yazılım Mühendisliği Sempozyumu, Turkey, 23 September 2019 - 25 September 2015
- III. **Classification of Radiolarian Fossil Images with Deep Learning Methods**
KEÇELİ A. S., UZUNÇİMEN KEÇELİ S., KAYA A.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- IV. **İskelet Hacmi ve Derin Öğrenme ile Hareket Tanıma**
KEÇELİ A. S., KAYA A., CAN A. B.
2017 25TH SIGNAL PROCESSING AND COMMUNICATIONS APPLICATIONS CONFERENCE (SIU), Antalya, Turkey, 15 - 18 May 2017
- V. **Investigation of Transfer Learning on Pulmonary Nodule Characteristics**
KAYA A., KEÇELİ A. S., CAN A. B.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- VI. **Action Recognition with Skeletal Volume and Deep Learning**
KEÇELİ A. S., KAYA A., CAN A. B.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- VII. **Low Latency Action Recognition with Depth Information**

KEÇELİ A. S., CAN A. B.

Proceedings of the 11th Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, Rome, Italy, 27 - 29 February 2016

VIII. A comprehensive approach for medium scale landslide risk assessment

KEÇELİ A. S., NEFESLİOĞLU H. A., SEZER E., GÖKÇEOĞLU C.

The 17th Annual Conference of the International Association for Mathematical Geosciences, 5 - 13 October 2015

IX. A Multimodal Approach for Recognizing Human Actions Using Depth Information

KEÇELİ A. S., CAN A. B.

22nd International Conference on Pattern Recognition (ICPR), Stockholm, Sweden, 24 - 28 August 2014, pp.421-426

X. Action Recognition Based on Feature Extraction From Time Series

KEÇELİ A. S., CAN A. B.

22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.485-488

XI. On-Board Driver Assistance System for Lane Departure Warning and Vehicle Detection

YALIÇ H. Y., KEÇELİ A. S., KAYA A.

International Conference on Electronics Engineering and Informatics, 21 - 22 September 2013, vol.1, pp.132-136

XII. Derinlik Bilgisi Kullanılarak İnsan Hareketlerinin Tanınması

KEÇELİ A. S., CAN A. B.

2013 21st Signal Processing and Communications Applications Conference (SIU), Haspolat, Turkey, Turkey, 24 - 26 April 2013

XIII. Recognition of Human Actions By using Depth Information

KEÇELİ A. S., CAN A. B.

21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013

XIV. GeneLearner Genetik Veri Madenciliği Analiz Aracı

COŞGUN E., KAYA A., KEÇELİ A. S., KARAAĞAOĞLU A. E.

14. Ulusal Biyoistatistik Kongresi, Turkey, 4 - 07 September 2012

XV. Gene 3E: Genetik Veri Madenciliği için Yeni Analiz Aracı

COŞGUN E., KAYA A., KEÇELİ A. S., AKSARI Y., KARAAĞAOĞLU A. E.

8. Ulusal Tıp Bilişimi Kongresi, Turkey, 17 - 20 November 2011

XVI. Radyasyon Tedavisinde İnsan Hareketine Duyarlı Hasta ve Personel Güvenlik Sistemleri

LEVENT A., KEÇELİ A. S., AYDIN G., YAPICI B., ÖZYAR E.

13. Medikal Fizik Kongresi, İzmir, Turkey, 17 - 19 October 2011

XVII. Clustering Based Classification on Remote Sensing Images

KEÇELİ A. S., KAYA A., COŞGUN E.

SDPS 2011, SEJU ADASI, South Korea, 12 - 16 June 2011

XVIII. GPU TABANLI BEYİN BÖLÜTLEME YÖNTEMİ

KEÇELİ A. S., CAN A. B.

Signal Processing and Communications Applications (SIU), 2011 IEEE 19th Conference on, Antalya, Turkey, 20 - 22 April 2011

XIX. Beyaz Cevher Lezyonlarının Otomatik Bölütlenmesi

KEÇELİ A. S., CAN A. B.

2009 IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, Turkey, 9 - 11 April 2009, pp.443-446

XX. Characteristic usage of Turkish Internet Users in Office Environment

Seydi K. A., KEREM E.

1st World Conference on Information Technology (WCIT), İstanbul, Turkey, 6 - 10 October 2010, vol.3

XXI. An Experimental Study on the Min-Image Production for Determination of Mineral Percentages

GÖKÇEOĞLU C., GÜLTEKİN N., KEÇELİ A. S., SEZER E., CAN A. B., BAYHAN H.

EGU General Assembly 2012, Viyana, Austria, 22 - 27 April 2012

XXII. Automatic Segmentation Of White Matter Lesions

KEÇELİ A. S., CAN A. B.

IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, 9 - 11 April 2009,
pp.443-446

Supported Projects

KAYA A., YALIM KELEŞ H., ERKENT Ö., KEÇELİ A. S., KÜRKCÜ B., ÇİÇEKLİ İ., Project Supported by Higher Education Institutions, Derin öğrenme ile yapay zeka ve robotik tabanlı otonom sistem uygulamalarının geliştirilmesi, 2022 - Continues

Kaya A., Temuçin H., Yalç H. Y., Keçeli A. S., TUBITAK Project, GÖRME SORUNU YAŞAYANLAR İÇİN BULUT TABANLI SOSYAL YAŞAMA YARDIMCI YAZILIM ODAKLI BİRPLATFORMUN GELİŞTİRİLMESİ, 2017 - 2019

KEÇELİ A. S., CAN A. B., Project Supported by Higher Education Institutions, Derinlik Bilgisi Kullanılarak Düşük Gecikme Süreli Hareket Tanıma, 2015 - 2016

Kaya A., Temuçin H., Keçeli A. S., Yalç H. Y., KOSGEB, Görme engelli ve görme bozukluğu yaşayan kişiler için yaşam asistanı, 2015 - 2016

Metrics

Publication: 46

Citation (WoS): 270

Citation (Scopus): 765

H-Index (WoS): 8

H-Index (Scopus): 10

Non Academic Experience

Sisoft

Business Establishment Private, Havelsan

Havelsan A.Ş.

EES Ltd. Şti