Prof. Mine Elif KARSLIGİL

Personal Information

Office Phone: +90 212 383 5777

Fax Phone: +90 212 383 5731

Email: elif@yildiz.edu.tr

Other Email: elif@cerebroz.io

Web: https://avesis.yildiz.edu.tr/elif

Address: Yıldız Teknik Üniversitesi,Elektrik-Elektronik Fakültesi, Bilgisayar Mühendisliği Bölümü, Esenler-ISTANBUL

International Researcher IDs

ORCID: 0000-0002-9090-9394

Yoksis Researcher ID: 174998

Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Bilgisayar Mühendisliği
Anabilimdalı, Turkey 1990 - 1998

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Bilgisayar Mühendisliği
Anabilimdalı, Turkey 1988 - 1990

Undergraduate, Yildiz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 1984 - 1988

Foreign Languages

English, C1 Advanced

Research Areas

Computer Sciences, algorithms, Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition,
Computer Learning, Pattern Recognition and Image Processing, Neural Networks, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2014 -
Continues

Academic and Administrative Experience

Head of Department, Yildiz Technical University, Rectorate, Department of informatics, 2017 - 2019

Deputy Head of Department, Yildiz Technical University, Faculty of Electrical & Electronics, Computer Engineering, 2013 -
2017

Courses

Courses

Data Structures and Algorithms, Undergraduate, 2019 - 2020
Introduction to Machine Learning, Postgraduate, 2019 - 2020
Data Structures and Algorithm Design, Postgraduate, 2019 - 2020
Image Processing, Undergraduate, 2019 - 2020
Machine Learning, Postgraduate, 2019 - 2020
Video Processing, Doctorate, 2018 - 2019
Algorithm Analysis, Undergraduate, 2019 - 2020
Advanced Algorithm Analysis and Design, Postgraduate, 2018 - 2019

Advising Theses

Karslıgil Yavuz M. E., The Effect of Synthetic Data Generation with Generative Adversarial Networks on Credit Card Fraud Detection, Postgraduate, E.Bayhan(Student), 2021
Karslıgil Yavuz M. E., Real-Time Analysis of Ground Operations on Aprons from Security Camera Images with Deep Learning Methods, Postgraduate, B.Yılmaz(Student), 2021
Karslıgil Yavuz M. E., Point of Compromise Detection with unsupervised learning, Postgraduate, F.ÖGME(Student), 2020
Karslıgil Yavuz M. E., Architectural design with Generative Adversarial Networks, Postgraduate, M.Uçar(Student), 2020
Karslıgil Yavuz M. E., Human fall detection using non-contact radar sensor Radar sensörü ile temassız düşme algılama, Postgraduate, K.HANİFİ(Student), 2020
Karslıgil Yavuz M. E., Panic detection by evaluating regional speed changes in crowded areas by surveillance video, Postgraduate, H.Hüsem(Student), 2018
Karslıgil Yavuz M. E., Environment Description with Convolutional Neural Networks, Postgraduate, A.Çetinsoy(Student), 2018
Karslıgil Yavuz M. E., new weighting approach to solve data sparsity problem in collaborative filtering, Postgraduate, T.Zayet(Student), 2017
Karslıgil Yavuz M. E., Summarizing surveillance videos using periodic recurrence information, Postgraduate, O.Çandır(Student), 2017
Karslıgil Yavuz M. E., Content based image retrieval based on indexing on codewords and metadata attributes in large databases, Postgraduate, H.Yılboğa(Student), 2015
Karslıgil Yavuz M. E., Detecting and Summarizing the High Priority Tweets After Natural Disasters, Postgraduate, K.Kebabçı(Student), 2015
Karslıgil Yavuz M. E., Hareketli RGB-D görüntülerinden el parmaklarının tesbiti, Postgraduate, H.Ongül(Student), 2014
Karslıgil Yavuz M. E., Classification of Laryngeal Disorders based on Shape and Vascular Defects of Vocal Folds, Doctorate, H.İrem(Student), 2013
Karslıgil Yavuz M. E., Real-time determination of traffic accident risk from videos, Postgraduate, U.ER(Student), 2012
Karslıgil Yavuz M. E., Detection of abnormal vehicle behaviors in traffic videos, Postgraduate, S.Yüksel(Student), 2012
Karslıgil Yavuz M. E., Human based real time surveillance video summarization, Postgraduate, M.Said(Student), 2012
Karslıgil Yavuz M. E., Real time human action recognition and understanding, Postgraduate, A.Güçlü(Student), 2012
Karslıgil Yavuz M. E., Video based Traffic Event Analysis at Intersections using Partial Vehicle Trajectories, Doctorate, Ö.Aköz(Student), 2011
Karslıgil Yavuz M. E., Detection news transitions in broadcast news videos, Postgraduate, E.Bozkurt(Student), 2011
Karslıgil Yavuz M. E., Real time traffic lane detection and tracking on traffic videos, Postgraduate, F.Coşkun(Student), 2010
Karslıgil Yavuz M. E., Predicting stock price changes using financial news articles, Postgraduate, M.İdris(Student), 2010
Karslıgil Yavuz M. E., Ev ortamında çocuk güvenliği amaçlı akıllı gözetleme sistemi, Postgraduate, E.Dandan(Student), 2010
Karslıgil Yavuz M. E., Broadcast news segmentation using news videos, Postgraduate, R.Davudov(Student), 2009
Karslıgil Yavuz M. E., Fire detection using color and motion features in videos, Postgraduate, R.DOĞAN(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Multi-Modal Low-Data-Based Learning for Video Classification**
Citak E., KARSLIGİL M. E.
Applied Sciences (Switzerland), vol.14, no.10, 2024 (SCI-Expanded)

II. **Elderly Fall Detection with Vital Signs Monitoring Using CW Doppler Radar**
Hanifi K., Karslıgil Yavuz M. E.
IEEE Sensors Journal, vol.21, pp.16969-16978, 2021 (SCI-Expanded)

III. **A better way of extracting dominant colors using salient objects with semantic segmentation**
Gündüz A. B., Taşkın B., Yavuz A. G., Karslıgil Yavuz M. E.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, no.100, pp.1-15, 2021 (SCI-Expanded)

IV. **Temporal Transaction Scraping Assisted Point of Compromise Detection With Autoencoder Based Feature Engineering**
Ögme F., Gokhan Yavuz A., Amac Guvensan M. A., Karslıgil Yavuz M. E.
IEEE ACCESS, vol.9, pp.109536-109547, 2021 (SCI-Expanded)

V. **A Closer Look Into the Characteristics of Fraudulent Card Transactions**
Can B., YAVUZ A. G., Karsligil E. M., GÜVENSAN M. A.
IEEE ACCESS, vol.8, pp.166095-166109, 2020 (SCI-Expanded)

VI. **Advanced computing solutions for analysis of laryngeal disorders.**
Turkmen H. İ., Karsligil M. E.
Medical & biological engineering & computing, vol.57, pp.2535-2552, 2019 (SCI-Expanded)

VII. **Visible Vessels of Vocal Folds: Can They Have a Diagnostic Role?**
Turkmen H. İ., Karsligil M. E., Kocak I.
CURRENT MEDICAL IMAGING, vol.15, no.8, pp.785-795, 2019 (SCI-Expanded)

VIII. **Superpixel-based segmentation of glottal area from videolaryngoscopy images**
Turkmen H. İ., Albayrak A., Karsligil M. E., Kocak I.
JOURNAL OF ELECTRONIC IMAGING, vol.26, no.6, 2017 (SCI-Expanded)

IX. **An Energy-Efficient Multi-Tier Architecture for Fall Detection on Smartphones**
GÜVENSAN M. A., KANSIZ A. O., Camgoz N. C., TURKMEN H. İ., YAVUZ A. G., KARSLIGIL M. E.
SENSORS, vol.17, no.7, 2017 (SCI-Expanded)

X. **Classification of laryngeal disorders based on shape and vascular defects of vocal folds**
Turkmen H. İ., Karslıgıl M. E., Koçak I.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.62, pp.76-85, 2015 (SCI-Expanded)

XI. **Assessment of vehicular transportation quality via smartphones**
TECIMER A. A., TAYŞİ Z. C., YAVUZ A. G., KARSLIGİL YAVUZ M. E.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.23, pp.2161-2170, 2015 (SCI-Expanded)

XII. **In situ image processing capabilities of ARM-based micro-controllers**
TAYŞİ Z. C., YAVUZ A. G., GÜVENSAN M. A., KARSLIGIL M. E.
JOURNAL OF REAL-TIME IMAGE PROCESSING, vol.9, no.1, pp.111-125, 2014 (SCI-Expanded)

XIII. **Traffic Event Classification at Intersections Based on the Severity of Abnormality**
Aköz Ö., Karslıgil Yavuz M. E.
Machine Vision And Applications, vol.1, pp.1-20, 2011 (SCI-Expanded)

XIV. **Dysphonic Speech Reconstruction : Construction of a Novel System for Effective and Efficient Communication**
TÜRKMEN ÇİLİNGİR H. İ., KARSLIGİL YAVUZ M. E.
IEEE ENGINEERING IN MEDICINE AND BIOLOGY MAGAZINE, vol.1, pp.135-138, 2010 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **Feature Engineering to Detect People Behind Walls Using UWB Sensor**
Malik Z., TAYŞİ Z. C., KARSLIGİL M. E.
32nd IEEE Conference on Signal Processing and Communications Applications, SIU 2024, Mersin, Turkey, 15 - 18 May 2024

II. **Damaged Building Detection from Post-Earthquake Drone Images Using Deep Learning Deprem Sonrası Drone Görüntülerinden Derin Öğrenme ile Hasarlı Bina Tespiti**
Gürer B., KARSLIGİL M. E.
32nd IEEE Conference on Signal Processing and Communications Applications, SIU 2024, Mersin, Turkey, 15 - 18 May 2024

III. **Using Word Embeddings in Detection of Temporal Expressions in Turkish Texts Türkçe Metinlerde Zaman Ifadelerinin Tespitinde Kelime Vektörlerinin Kullanilmasi**
Emirali E., KARSLIGİL M. E.
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022

IV. **Determination of Channel Effects on User Conversion Rate in Online Advertising by Deep Learning Derin Öğrenme ile Çevrimiçi Reklamlarda Kullanici Dönüşüm Oranlari Üzerindeki Kanal Etkilerinin Belirlenmesi**
Kahraman O., KARSLIGİL M. E.
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022

V. **Video colorizing with automatic reference image selection Otomatik referans resim seçimi ile video renklendirme**
Polat A. A., Iahin M. F., KARSLIGİL YAVUZ M. E.
29th IEEE Conference on Signal Processing and Communications Applications, SIU 2021, Virtual, Istanbul, Turkey, 9 - 11 June 2021

VI. **The effect of feature selection on credit card fraud detection success Özellik seçiminin kredi karti sahtekarliği tespiti başarisina etkisi**
Bayhan E., YAVUZ A., GÜVENSAN M. A., KARSLIGİL YAVUZ M. E.
29th IEEE Conference on Signal Processing and Communications Applications, SIU 2021, Virtual, Istanbul, Turkey, 9 - 11 June 2021

VII. **Tympanic membrane generation with generative adversarial networks Çekişmeli üretici ağlar ile yapay kulak zari görüntülerinin üretimi**
Eseoglu M. F., KARSLIGİL YAVUZ M. E., Kocak I.
29th IEEE Conference on Signal Processing and Communications Applications, SIU 2021, Virtual, Istanbul, Turkey, 9 - 11 June 2021

VIII. **Cleaning landmark and geolocation dataset using deep learning methods Coğrafi lokasyon ve yer sembolü veri kümelerinin derin öğrenme yaklaşimlari ile iyileştirilmesi**
Taskin B., KARSLIGİL YAVUZ M. E.
29th IEEE Conference on Signal Processing and Communications Applications, SIU 2021, Virtual, Istanbul, Turkey, 9 - 11 June 2021

IX. **Road Damage Detection via in Car Cameras Arac Ici Kameralarla Yol Hasar Denetimi**
Asci G., Karsligil M. E.
28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Turkey, 5 - 07 October 2020

X. **Detection of Airplane and Airplane Parts from Security Camera Images with Deep Learning Derin Ogrenme Yontemleri ile Guvenlik Kamerasi Goruntulerinden Ucak ve Ucak Bolumlerinin Tespiti**
Yilmaz B., KARSLIGİL YAVUZ M. E.
28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Turkey, 5 - 07 October 2020

XI. **Contactless Fall Detection using Doppler Radar Doppler Radar ile Temazsiz Dusme Algilama**
Hanifi K., KARSLIGİL YAVUZ M. E.

28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Turkey, 5 - 07 October 2020

XII. **Point of Compromise Detection with Unsupervised Learning Denetimsiz Ogrenme ile Kredi Karti Kopyalama Noktalarinin Tespit Edilmesi**
Ögme F., Karslıgil Yavuz M. E., Yavuz A., Güvensan M. A.
28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Turkey, 5 - 07 October 2020

XIII. **Evrişimsel Sinir Ağları ve Uzun-Kısa Süreli Bellek Ağları ile Spor Haberlerinin Sınıflandırılması**
Akçay M. M., Seymen M., Er Ö., Çetin E., KARSLIGİL YAVUZ M. E.
27. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Sivas, Turkey, 24 April 2019, vol.1, no.1, pp.1-5

XIV. **Classification of tumor regions in histopathological images using convolutional neural networks**
GÜNDÜZ K., ALBAYRAK A., BİLGİN G., KARSLIGİL YAVUZ M. E.
26th Signal Processing and Communications Applications Conference (SIU), Izmir, Turkey, Turkey, 2 - 05 May 2018, pp.1-4

XV. **Panic detection by regional velocity changes in crowded areas from surveillance video Güvenlik Kamerasi Görüntülerindeki Bölgesel Hiz Degisimlerini Degerlendirerek Kalabalik Ortamlarda Panik Durumu Tespiti**
Hüsem H., Karsligil M. E.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4

XVI. **Application Identification via Network Traffic Classification**
YAMANSAVASCILAR B., GÜVENSAN M. A., YAVUZ A. G., Karsligil M. E.
International Conference on Computing, Networking and Communications (ICNC), California, United States Of America, 26 - 29 January 2017, pp.843-848

XVII. **Detection of the Periodicity of Human Actions for Efficient Video Summarization**
Çandır O., Karsligil M. E.
18th IEEE International Symposium on Multimedia (IEEE ISM), San-Jose, Costa Rica, 11 - 13 December 2016, pp.391-394

XVIII. **Machine learning based IP traffic classification,**
TAYŞİ Z. C., KARSLIGİL YAVUZ M. E., YAVUZ A. G., ŞAHİN R., YILMAZ T., DEMİREL H.
Signal Processing and Communications Applications Conference (SIU), 2013 21st, Lefkoşe, Cyprus (Kktc), 24 April 2013, pp.1-4

XIX. **CLASSIFICATION OF VOCAL FOLD NODULES AND CYSTS BASED ON VASCULAR DEFECTS OF VOCAL FOLDS**
Turkmen H. İ., Karsligil M. E., Koçak I.
23rd IEEE International Workshop on Machine Learning for Signal Processing (MLSP), Southampton, United Kingdom, 22 - 25 September 2013

XX. **A Fast and Accurate Motion Detection Algorithm for Embedded Systems**
Camgoz N. C., Tayşi Z. C., Güvensan M. A., Karsligil M. E., Yavuz A. G.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013

XXI. **Video Summarization using Simple Action Patterns**
Aydemir M. S., Ergül U., Güçlü A., KARSLIGİL YAVUZ M. E.
21st International Conference on Pattern Recognition, Tsukuba, Japan, 11 November 2012, vol.1, no.1, pp.2047-2050

XXII. **Traffic accident risk analysis based on relation of Common Route Models**
Er U., Yüksel S., Aköz Ö., KARSLIGİL YAVUZ M. E.
21st International Conference on Pattern Recognition, Tsukuba, Japan, 11 November 2012, pp.1-6

XXIII. **Assessment of Videolaryngostroboscopy Images Based on Visible Vessels Of Vocal Folds**
Turkmen H. İ., Karsligil M. E., Koçak I.
34th Annual International Conference of the IEEE Engineering-in-Medicine-and-Biology-Society (EMBS), California, United States Of America, 28 August - 01 September 2012, pp.6251-6254

XXIV. **Image Processing Capabilities of ARM-based Micro-controllers for Visual Sensor Networks**
TAYŞİ Z. C., YAVUZ A. G., Çelik E., GÜVENSAN M. A., KARSLIGİL YAVUZ M. E.
Embedded and Ubiquitous Computing (EUC), 2011 IFIP 9th International Conference on, Melbourne, Australia, 24 November 2011, pp.243-248

XXV. **Severity Classification of Abnormal Traffic Events at Intersections**
Aköz Ö., KARSLIGİL YAVUZ M. E.
IEEE International Conference on Image Processing, ICIP 2011, Brüksel, Belgium, 11 September 2011, pp.2457-2460

XXVI. **Real time lane detection and tracking system evaluated in a hardware-in-the-loop simulator**
Coşkun F., Tunçer Ö., Karsligil M. E., Güvenç L.
13th International IEEE Conference on Intelligent Transportation Systems, ITSC 2010, Funchal, Portugal, 19 - 22 September 2010, pp.1336-1343

XXVII. **Vision system based lane keeping assistance evaluated in a hardware-in-the-loop simulator**
Coşkun F., Tuncer Ö., Karsligil E., Güvenç L.
ASME 2010 10th Biennial Conference on Engineering Systems Design and Analysis, ESDA2010, İstanbul, Turkey, 12 - 14 July 2010, vol.3, pp.103-114

XXVIII. **Vision based lane keeping assistance control triggered by a driver inattention monitor**
Tunçer Ö., Güvenç L., Coşkun F., Karsligil E.
2010 IEEE International Conference on Systems, Man and Cybernetics, SMC 2010, İstanbul, Turkey, 10 - 13 October 2010, pp.289-297

XXIX. **Stock Price Prediction Using Financial News Articles**
Kaya M. I. Y., KARSLIGİL YAVUZ M. E.
2nd IEEE International Conference on Information and Financial Engineering, Hong Kong, China, 17 September 2010, pp.478-482

XXX. **VIDEO-BASED TRAFFIC ACCIDENT ANALYSIS AT INTERSECTIONS USING PARTIAL VEHICLE TRAJECTORIES**
Akoez O., Karsligil M. E.
IEEE International Conference on Image Processing, Hong Kong, PEOPLES R CHINA, 26 - 29 September 2010, pp.4693-4696

XXXI. **Linear discriminant analysis in Ottoman alphabet character recognition**
KURT Z., Turkmen H. I., Karsligil M. E.
European Computing Conference, Athens, Greece, 25 - 27 September 2007, pp.601-607

XXXII. **An Evaluation of Possession Information in Playfield Zones from soccer Video Using Mid-level Descriptors**
Aydın S., KARSLIGİL YAVUZ M. E.
IEEE 10th International Workshop on Multimedia Signal Processing, Queensland, Australia, 08 October 2008, pp.680-684

XXXIII. **Reconstruction of Dysphonic Speech by MELP**
TÜRKMEN ÇİLİNGİR H. İ., KARSLIGİL YAVUZ M. E.
13th Iberoamerican Congress on Pattern Recognition: Progress in Pattern Recognition, Image Analysis and Applications - 2008, Havana, Cuba, 09 September 2008, pp.767-774

XXXIV. **Off-Line Signature Verification and Recognition by Support Vector Machine**
ÖZGÜNDÜZ E., SARI T., KARSLIGİL YAVUZ M. E.
The 13th European Signal Processing Conference -2005, Antalya, Turkey, 04 September 2008, pp.113-116

XXXV. **Global Feature Based Female facial Beauty Decision System**
TÜRKMEN ÇİLİNGİR H. İ., KURT Z., KARSLIGİL YAVUZ M. E.
The 15th European Signal Processing Conference - 2007, Poznan, Poland, 03 September 2007, pp.1945-1949

XXXVI. **Text area detection in digital documents images using textural features**
Ar I., Karsligil M. E.
12th International Conference on Computer Analysis of Images and Patterns, CAIP 2007, Vienna, Austria, 27 - 29 August 2007, pp.555-562

XXXVII. **The effect of windowing in word sense disambiguation**
Altintas E., Karsligil E., Coskun V.
20th International Symposium on Computer and Information Sciences, ISCIS 2005, İstanbul, Turkey, 26 - 28
October 2005, pp.626-635

XXXVIII. **Efficient off-line verification and identification of signatures by multiclass support vector machines**
ÖZGÜNDÜZ E., Şentürk T., Karsligil M. E.
11th International Conference on Computer Analysis of Images and Patterns, CAIP 2005, Versailles, France, 5 - 08
September 2005, pp.799-805

XXXIX. **A Genetic Thinning Algorithm Using Cellular Automata**
KARSLIGİL YAVUZ M. E.
15th International Symposium on Computer and Information Sciences, İstanbul, Turkey, 10 October 2000, pp.141-
149

XL. **Recognition of Human Face Expression**
Tatlı E. İ., AMASYALI M. F., KARSLIGİL YAVUZ M. E.
International Symposium on Computer and Information Sciences, İstanbul, Turkey, 11 October 2000, vol.1, pp.1-4

Supported Projects

KARSLIGİL M. E., Project Supported by Higher Education Institutions, Hareketli RGB-d Görüntülerden Elparmaklarının
Tesbiti, 2012 - 2014
KARSLIGİL M. E., TÜRKMEN ÇİLİNGİR H. İ., Project Supported by Higher Education Institutions, Ses Teli Damar ve Şekil
Özelliklerini Değerlendirerek Ses Teli Patolojilerinin Sınıflandırılması, 2011 - 2013

Scientific Consultations

BANKALARARASI KART MERKEZİ (BKM), Scientific Consultancy, Yildiz Technical University, Faculty Of Electrical &
Electronics, Computer Engineering, Turkey, 2018 - Continues
BANKALARARASI KART MERKEZİ (BKM), Scientific Consultancy, Yildiz Technical University, Faculty Of Electrical &
Electronics, Computer Engineering, Turkey, 2017 - 2018
CRYPTTECH, Scientific Consultancy, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering,
Turkey, 2015 - 2016
ASSECO, Scientific Consultancy, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering,
Turkey, 2014 - 2015

Metrics

Publication: 55
Citation (WoS): 87
Citation (Scopus): 356
H-Index (WoS): 4
H-Index (Scopus): 9

Scholarships

Görme Engelli Bireyler İçin Ortam Tarif Sistemi, TUBITAK, 2019 - 2019
Derin Öğrenme Yöntemleri ile Spor Haberlerinin Sınıflandırılması, TUBITAK, 2019 - 2019
Derin Öğrenme Yöntemleri ile Video Sınıflandırma, TUBITAK, 2019 - 2019
Konvolüsyonel Yapay Sinir Ağları ile Görüntüden Yaş ve Cinsiyet Tespiti, TUBITAK, 2018 - 2018

Evrişimsel Sinir Ağları ile Doğal Ortam Görüntülerinden Yaş ve Cinsiyet Tespiti, TUBITAK, 2018 - 2018

RGB_D Kameradan Alınan Görüntülerden Konvolüsyonel Yapay Sinir Ağı Yöntemleri ile Ortam Tanıyan Sistem, TUBITAK, 2018 - 2018

Non Academic Experience

Company, NTT (Nippon Telegraph and Telephone Corporation), Intelligent Communication

NTT (Nippon Telegraph and Telephone Corporation) - Japan