Assoc. Prof. Dr. OĞUZ ATA

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EDUCATIONAL INFORMATION

Degree	University	Department	Year(s)
Doctoral Degree	Trakya University	Computer Engineering (Phd)	2008 - 2012
Master's Degree	Beykent Ünİversİtesİ	Computer Engineering (Master's) (with Thesis)	2006 - 2008
Bachelor's Degree	University of Sakarya	Department of Computer Engineering	2002 - 2004

RESEARCH AREAS

ACADEMIC DUTIES

Duty	University	Area	Year(s)
Assistant Professor			2017 - 2017
Assistant Professor	Altinbas University	Software Engineering Department	2017 -
Assistant Professor	Istanbul Aydin University	Mechatronics Engineering Department	2013 - 2017
Assistant Professor	Istanbul Arel University	Department of Computer Engineering	2012 - 2013
Assistant Professor	Bitlis Eren University	Department of Electrical and Electronics Engineering	2012 - 2012

ADMINISTRATIVE DUTIES

Duty	University	Year(s)
Institute Deputy Director	Altinbas University	2021 - 2022
Head of Department	Altinbas University	2017 -
Head of Department	Altinbas University	2017 -
Head of Department	Altinbas University	2017 -
Head of Department	Altinbas University	2017 -
Head of Department	Altinbas University	2017 -
Head of Department	Istanbul Aydin University	2015 - 2017
Institute Deputy Director	Istanbul Arel University	2012 - 2013
Head of Department	Istanbul Arel University	2012 - 2013
Head of Department	Istanbul Arel University	2012 - 2013

ACADEMIC AND PROFESSIONAL MEMBERSHIPS

Organisation	Membership	Year(s)

NON-UNIVERSITY EXPERIENCE

Country	Organisation	Duty	Year(s)

BOOKS

ARTICLES

Enhancing Self-Care Prediction in Children with Impairments: A Novel Framework for Addressing Imbalance and High Dimensionality
Alyasin Eman Ibrahim,ATA OĞUZ,Qasim Hayder Mohammed,Mohammedqasem Roa'a
APPLIED SCIENCES-BASEL, 2023
International DOI: 10.3390/app14010356

Classification of melanonychia, Beau's lines, and nail clubbing based on nail images and transfer learning techniques
Coşar Soğukkuyu Derya Yeliz, ATA OĞUZ
PeerJ Computer Science, 2023
International DOI: 10.7717/peerj-cs.1533

Multi-objective deep learning framework for COVID-19 dataset problems
Mohammedqasem Roa'a, Qasim Hayder Mohammed, Biabani Sardar Asad Ali, ATA OĞUZ, Alomary Mohammad N., Almehmadi Mazen, Alsairi Ahad Amer, Ansari Mohammad Azam
Journal of King Saud University - Science, 2023
International DOI: 10.1016/j.jksus.2022.102527

Novel hybrid classification model for multi-class imbalanced lithology dataset
Alyasin Eman Ibrahim, ATA OĞUZ, Qasim Hayder Mohammed
Optik, 2022
International DOI: 10.1016/j.ijleo.2022.170047

Feature Model Configuration Reuse Scheme for Self-Adaptive Systems
Alkubaisi Sumaya, ATA OĞUZ, Ghoul Said
CMC-Computers Materials & Continua, 2022
International DOI: 10.32604/cmc.2022.019434

Veri Madenciliği ve Makine Öğrenimi ile Döviz Kuru Tahmini Uygulaması
ERBUDAK Ahmet Ersin, ATA OĞUZ
Fırat Üniversitesi Mühendislik Bilimleri Dergisi, 2022
International DOI: 10.35234/fumbd.1078207

Optimized YOLOv4 Algorithm for Car Detection in Traffic Flow
ALQARAGHULI Alzubair, ATA OĞUZ
Turkish Journal of Science and Technology, 2022
International DOI: 10.55525/tjst.1123195

Real-time data of COVID-19 detection with IoT sensor tracking using artificial neural network
Mohammedqasem Roa'a, Qasim Hayder Mohammed, ATA OĞUZ
COMPUTERS & ELECTRICAL ENGINEERING, 2022
International DOI: 10.1016/j.compeleceng.2022.107971

Diagnosing Coronary Artery Disease on the Basis of Hard Ensemble Voting Optimization
Qasim Hayder Mohammed, Mohammedqasem Roa'a, ATA OĞUZ, Alyasin Eman Ibrahim
MEDICINA-LITHUANIA, 2022
International DOI: 10.3390/medicina58121745

Enhancing the Process of AES: A Lightweight Cryptography Algorithm AES for Ad-hoc Environments
Al-handhal Mustafa, Abdullah Alharith A., ATA OĞUZ, AYDIN ÇAĞATAY
Çanakkale Onsekiz Mart University Journal of Advanced Research in Natural and Applied Sciences, 2022
International DOI: 10.28979/jarnas.1068884

Hybrid Feature Selection Framework for the Parkinson Imbalanced Dataset Prediction Problem
Qasim Hayder Mohammed, ATA OĞUZ, Ansari Mohammad Azam, Alomary Mohammad N., Alghamdi Saad, Almehmadi Mazen
Medicina-Lithuania, 2021
International DOI: 10.3390/MEDICINA57111217

ARTICLES

Electronic Health Records System Using Blockchain Technology
ALMUBARAK Hasan Qasim Hasan, ATA OĞUZ, Yassin Ali Adel
Webology, 2021
International DOI: 10.14704/WEB/V18SI05/WEB18248

Genomic chronicle of SARS-CoV-2: a mutational analysis with over 1 million genome sequences
UĞUREL OSMAN MUTLUHAN, ATA OĞUZ, BALIK DİLEK
TURKISH JOURNAL OF BIOLOGY, 2021
International DOI: 10.3906/biy-2106-8

Targeting SARS-CoV-2 Nsp12/Nsp8 interaction interface with approved and investigational drugs: an in silico structure-based approach
MUTLU ÖZAL,UĞUREL OSMAN MUTLUHAN,SARIYER EMRAH,ATA OĞUZ,İnci Tuğba Gül,Uğurel Erennur,KOÇER
SİNEM,BALIK DİLEK
Journal of Biomolecular Structure and Dynamics, 2020
International DOI: 10.1080/07391102.2020.1819882

Evaluation of the potency of FDA-approved drugs on wild type and mutant SARS-CoV-2 helicase (Nsp13)
UĞUREL OSMAN MUTLUHAN, MUTLU ÖZAL, SARIYER EMRAH, ATA OĞUZ, KOÇER SİNEM, Uğurel Erennur, Gül İnci
Tuğba, BALIK DİLEK
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 2020
International DOI: 10.1016/j.ijbiomac.2020.09.138

An updated analysis of variations in SARS-CoV-2 genome
Ugurel Osman Mutluhan, ATA OĞUZ, BALIK DİLEK
TURKISH JOURNAL OF BIOLOGY, 2020
International DOI: 10.3906/biy-2005-111

Comparative Analysis of Different Distributions Dataset by Using Data Mining Techniques on Credit Card Fraud Detection
ATA OĞUZ, Hazim Layth
TEHNICKI VJESNIK-TECHNICAL GAZETTE, 2020
International DOI: 10.17559/TV-20180427091048

Davranışsal Biyometrinin 5 Yılı: Kimlik Doğrulama ve Anomali Tespit Uygulamaları
GÜMÜŞ FATMA,ATA OĞUZ,BALIK HASAN HÜSEYİN
Fırat Üniversitesi Mühendislik Bilimleri Dergisi, 2018
National

Protocol Design for Secure Communication in WSN
ATA OĞUZ,BALIK HASAN HÜSEYİN,UÇAR ERDEM
TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS, 2017
International DOI: 10.18421/TEM62-02

A Novel Algorithm for Computer Based Assessment
Ata O, Balık HH
BEU Journal of Science and Technology, 2012
National

Kablosuz Algılarıcıların Güncel Kullanım Alanları
ATA OĞUZ,UÇAR ERDEM,BALIK HASAN HÜSEYİN
İstanbul Aydın Üniversitesi Fen Bilimleri Dergisi, 2011
National

Fast and Rigorous Assignment Algorithm for Multiple Reference and Calculation
Ümit Çiftci,ATA OĞUZ,BALIK HASAN HÜSEYİN
Turkish Journal of Computer and Mathematics Education, 2010
International

PROCEEDINGS

PROCEEDINGS

Diagnosing Cervical Cancer Using Machine Learning Methods
Coşar Soğukkuyu Derya Yeliz, ATA OĞUZ
2022 International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), 2022
International

Automated Evaluation of the Virtual Assistant in Bleu and Rouge Scores
Chatoui Hajar, ATA OĞUZ
2021 3rd International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), 2021
International

Nonholonomic path planning for a mobile robot based on Voronoi and Q-Learning algorithm
Alhassow Mustafa Mohammed, ATA OĞUZ, ATİLLA DOĞU ÇAĞDAŞ
1st INTERNATIONAL CONFERENCE ON COMPUTING AND MACHINE INTELLIGENCE, 2021
International

Car-Like Robot Path Planning Based on Voronoi and Q-Learning Algorithms
Alhassow Mustafa Mohammed, ATA OĞUZ, ATİLLA DOĞU ÇAĞDAŞ
2021 International Conference on Engineering and Emerging Technologies (ICEET), 2021
International

Efficient Energy and QoS Based Routing Algorithm for Wireless Body Area Network
Ojelade Afolabi Kazem, IBRAHIM ABDULLAHI ABDU, ATA OĞUZ
2021 5th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), 2020
International

Drug repositioning to identify SARS-CoV-2 Nsp12/Nsp8 interaction interface inhibitors.
MUTLU ÖZAL,UĞUREL OSMAN MUTLUHAN,SARIYER EMRAH,ATA OĞUZ,İnci Tuğba Gül,Uğurel Erennur,KOÇER SİNEM,BALIK DİLEK
FEMS 2020 ONLINE CONFERENCE, 2020
International

Lightweight fog based solution for privacy-preserving in IoT using blockchain
Alkhazaali Ali Haleem, ATA OĞUZ
2020 International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), 2020
International

RCAM based maintenance plan of the power transformers using k-means clustering algorithm
KÖKSAL HAVVA AYSUN,ÖZDEMİR AYDOĞAN,ATA OĞUZ
2017 19th International Conference on Intelligent System Application to Power Systems (ISAP), 2017
International

Tek Nükleotit Farklılıklarına Dayalı Bir Mycoplasma Tanı Paneli Çalışması
Uğurel Osman Mutluhan,ATA OĞUZ,BALIK DİLEK
19. ULUSLARARASI KATILIMLI ULUSAL BİYOTEKNOLOJİ KONGRESİ, 2017
National

Yeni Nesil DNA Teknolojilerinin Biyoinformatik Araçlar ile Entegrasyonu ve Tanı Paneli Tasarımında Kullanılması
Uğurel Osman Mutluhan,ATA OĞUZ,BALIK DİLEK
Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, 2015
National

PROJECTS

Covid-19 ToplumÜniversitesi (Project Coordinator)
Scientific research project supported by Higher Education Institutions, 21.01.2021 -
National Continues

PROJECTS

Covid-19 Aşısında Kullanılmak Üzere Türkiye'nin Antijenik Peptid/Protein Kütüphanelerinin Oluşturulması, Spesifik Antijenik Peptid/Proteinlerin Üretimi Ve Aşı Formülasyonları Olarak İmmün Yanıt Sonuçlarının Eldesi (Researcher)
EN_cv_academic_projeturleri_34, 01.06.2020 - 08.01.2022
`National` `Completed`

Covid-19+ qPCR tespit Kiti Geliştirilmesi (Project Coordinator)
Scientific research project supported by Higher Education Institutions, 01.04.2021 - 01.09.2023
`National` `Continues`

THESIS SUPERVISION

Integrative machine learning approaches for enhanced cardiovascular disease prediction: A comparative analysis of XGBoost and ANFIS algorithms
DIYAR FADHIL MUHYI MUHYI
`2024` `Master's Degree`

ENHANCING BRAIN TUMOR CLASSIFICATION WITH HIGH ACCURACY: A GENERALIZABLE DEEP LEARNING APPROACH UTILIZING DENSENET201
ZAHRAA THAMER MAHDI MAHDI
`2024` `Master's Degree`

ENHANCING THREAT DETECTION USING PARTICLE SWARM OPTIMIZATION FOR FEATURE SELECTION
NAJIM EDDIN ALI MOHAMED EIOSTA
`2024` `Master's Degree`

USING DEEP LEARNING METHODS TO CLASSIFY LITHOLOGY WITH MULTI-LABEL IMBALANCE DATA
EMAN IBRAHIM ALYASIN
`2024` `Doctorate`

VGG-BASED FEATURE EXTRACTION FOR FACE RECOGNITION SYSTEM
MARYEM ALI TANTOUN
`2024` `Master's Degree`

CRYPTOCURRENCY FORECASTING: A COMPARATIVE STUDY OF MACHINE LEARNING AND DEEP LEARNING APPROACHES
MAJDA ABOKHRIS O ELMALTI
`2024` `Master's Degree`

DEEP LEARNING METHOD FOR IMBLANCED MEDICAL DATA DETECTION PROBLEM
HAYDER ALI ABDULLAH MOHAMMEDQASIM
`2023` `Doctorate`

HEALTH DETECTION PROGRAMS USING OPTIMIZATION DEEP LEARNING SYSTEM
ROA'A ALI ABDULLAH MOHAMMEDQASEM
`2023` `Doctorate`

Improving prediction of chest infections using machine learning algorithms from X-ray images
KARAM SAMEER ABDULATEEF AL ZUBAIR
`2023` `Master's Degree`

Prediction of heart disease using a combination of machine learning and deep learning approaches
DIMA SAMI KHALAF KHALAF
`2023` `Master's Degree`

QPCR temelli COVID-19 tanı kiti geliştirilmesi
ABDULLAH ENES DOĞRUSOY
`2023` `Master's Degree`

THESIS SUPERVISION

Bakteriyel tanı paneli tasarımı SARS-CoV-2 mutasyon analizi için yüksek başarımlı nükleotit hizalama ve SNP tespit yazılımı geliştirilmesi
OSMAN MUTLUHAN UĞUREL
2023 Doctorate

Developing novel model for disease detections by processing medical data with artificial intelligence techniques
DERYA YELİZ COŞAR SOĞUKKUYU
2023 Doctorate

The vulnerability studies and security postures of smart home devices
REKIYAT ENDURANCE ISAH
2022 Master's Degree

Impact and challenges of wireless sensor networks in smart agriculture
CLIFFORD AKPOYERINLAYEFA ZITU
2022 Master's Degree

Veri madenciliği ve makine öğrenimi ile döviz kuru tahmini uygulaması
AHMET ESİN ERBUDAK
2022 Master's Degree

Intrusion detection in IoT SDN network using machine learning
SAMER ALBENAH
2022 Master's Degree

Intelligent detection: A classification-based approach to e-mail (text) filtering
SARA AZZOUZ REGUIG
2022 Master's Degree

Computer network intrusion detection using cascade back propagation neural network
SARAH ALFITOURI MOHAMED ELGETAIT
2022 Master's Degree

The impact of big data features on data interoperability concept
SANA IBRAHIM SHATWAN
2022 Master's Degree

Defining local risk points and distance variables and studying effects on policy renewal score developed with general linear algorithm
VEDAT GÜNEŞ
2022 Master's Degree

Pairs trading in cryptocurrency market using deep reinforcement learning
CEM KAYA GÜRKAN
2022 Master's Degree

Modified YOLOv4 and YOLOv3 by image processing and deep learning for traffic flow car detection
AL ZUBAIR KHUDHUR ABBAS ALQARAGHULI
2022 Master's Degree

AD-HOC network security by using AES lightweight algorithm
MUSTAFA YOUSIF MOHAMED SAEED AI-HANDHAL
2022 Master's Degree

Identification of eye retina by using deep learning NN techniques for security
ABDULLAH MOHAMMED HAMAD SAEEDI
2022 Master's Degree

An effective and secure public data integrity verification scheme of cloud storage based on BLS signature
MOHAMMED AHMED SALMAN AL-KHAFAJI
2022 Master's Degree

THESIS SUPERVISION

Enhancing COVID-19 patient prediction with over-sampling and genetic feature selection
YASIR ALI MOHAMMED ALI AL-TAHHAN
2022 Master's Degree

IMPROVED TECHNIQUE OF IDENTIFYING AND RECOGNIZING THE IMAGE TEXT
ZAINAB NOOR ALDEEN M. SHAMS ALDEN
2022 Master's Degree

Using of convolutional neural network forgrayscale image colorization
ESRA ISSA
2021 Master's Degree

Secured Multi-Stage Hybrid Method to Enhance Data Security and Privacy of Smart Cities Applications
HASSAN SAAD FADHIL FADHIL
2021 Master's Degree

A systematic review of blockchain technology and its contributions in developing healthcare sector
NOOR MOHAMMED ZUHDI JALAL ALUBIDAH
2021 Master's Degree

Analyzing of EEG signals with deep learning and discrete wavelet transform
KHALED OMAR MUKHTAR ABUKHETTALA
2021 Master's Degree

Feature model-based configuration reuse scheme for self-adaptive systems
SUMAYAH MAHDI IBRAHIM AL KUBAISI
2021 Doctorate

Efficient energy and QOS based routing algorithm for WBAN
AFOLABI KAZEEM OJELADE
2021 Master's Degree

Detecting racial discoursein twitter
HOSAM ALCATOS
2021 Master's Degree

Electronic health records system using blokchain technologhy
HASAN QASİM HASAN AL-MUBARAK
2021 Master's Degree

UNSTRUCTURED DATA PROCESSING THROUGH BIG DATAAND MACHINE LEARNING TECHNOLOGIES'
IMANE BENDAOUMA
2021 Master's Degree

Real time and multi-agent smart parking system using computer vision for smart cities
SEZER KANDİŞ
2020 Master's Degree

KULLANICI DENEYİMİ İLE E-TİCARET WEB SİTELERİNİN KULLANILABİLİRLİK ANALİZİ
SEDA ARSLAN
2020 Master's Degree

LIGHTWEIGHT FOG-BASED SOLUTION FOR PRIVACY-PRESERVING IN IOT USING BLOCKCHAIN
ALI HALEEM HASAN AL-KHAZAALI
2020 Master's Degree

USING UNSUPERVISED IMAGE SEGMENTATION AND IMAGE FREQUENCY HISTOGRAM TO IMPROVE COVERLESS INFORMATION HIDING
ALI JAWAD KADHIM AL-KHARSAN
2020 Master's Degree

THESIS SUPERVISION

EFFICIENT MONITORING AND CONTROL SYSTEM FOR HYBRID SMART GRIDS USING FUZZY LOGIC AND IOT
TEISEER ABDALHAFATH ABDALATEF ALZUBAIDI
`2020` `Master's Degree`

SKIN CANCER DETECTION USING DEEP CONVOLUTIONAL NEURAL NETWORK
EMAN IBRAHIM ALYASIN
`2020` `Master's Degree`

PROTOTYPE SOCIAL INTERNET OF THINGS THROUGH CHATBOT APPLICATION IN SMART BULDING
HAJAR CHATOUI
`2020` `Master's Degree`

HUMAN RETINAL OPTIC DISC DETECTION USE GRASSHOPPER OPTIMIZATION ALGORITHM
NASSRALLAAH FARIS ABDULKADER AL-SHALCHI
`2020` `Master's Degree`

Home applications monitoring and controlling using a web server based microcontroller
IBTESAM MUS A BAKA
`2020` `Master's Degree`

Improved Genetic Algorithm Crossover OperatorTo Solve University Course Timetabling Problem
ABDALRAHEEM ATEEYAH ABDELRAHEEM ALRRUGAHBARI
`2019` `Master's Degree`

WEB-BASED GRADUATION INSTITUTE AUTOMATION SYSTEM
AHLAM ASADIG ALI TABTABA
`2019` `Master's Degree`

USING NEURAL NETWORK AND GENETIC ALGORITHM FOR DETECTING HEART DISEASES
NAJAH ABDULHAMED M NSER
`2019` `Master's Degree`

Blockchain as a solution to access control in IOT systems
MONTDHER ABED ALMAHDI ABEDALI ALABADI
`2019` `Master's Degree`

Augmented random search applied in artificial intelligence
OTHMANE EL MEZIANI
`2019` `Master's Degree`

Coğrafi bilgi sistemleri kullanarak konum tabanlı iş ve eleman arama uygulaması
ATİLLA GÖKHAN KARTAL
`2019` `Master's Degree`

A comprehensive approach on impacts of grayhole, blackhole and sybil attack based on aodv protocol in wireless sensor networks
SUFIAN MUSSQAA ABDULQADER AL-MAJMAIE
`2019` `Master's Degree`

Four classification methods Naïve Bayesian, support vector machine, K-nearest neighbors and random forest are tested for credit card fraud detection
LAYTH RAFEA HAZIM
`2018` `Master's Degree`

Text Mining in Document Classification by Using Naive Bayes and TF-IDF Based on Common Words
MOHAMMED SHIHAB AHMED AHMED
`2018` `Master's Degree`

THESIS SUPERVISION

Intrusion detection model based on data mining and machine learning
KHALID ABDULWAHID KADHIM KADHIM
2018 Master's Degree

Diagnoses of coronary heart disease (CHD) using data mining techniques based on classification
MUSTAFA ADIL FAYEZ FAYEZ
2018 Master's Degree

Hybrid Chaotic Maps for Colored Image EncryptionAlgorithm
HAYDER ALI ABDULLAH MOHAMMEDQASIM
2018 Master's Degree

Enhanced Spam Email Filtering System using BinaryArtificial Bee Colony
ROA'A ALI ABDULLAH MOHAMMEDQASEM
2016 Master's Degree

Sık görülen bakteriyel türlerin tanısını gerçekleştirmek üzere biyoinformatik analizlerin yapılması ve kütle spektroskopisine dayalı bir panelin geliştirilmesi
OSMAN MUTLUHAN UĞUREL
2015 Master's Degree

COURSES

Course Type	Course Code	Course Name
Bachelor's Degree	SWE101	COMPUTER PROGRAMMING I
Master's Degree	IT592	SPECIAL TOPICS IN INFORMATION TECHNOLOGY II
Bachelor's Degree	ESP102	SOCIAL RESPONSIBILITY PROJECT AND CAREER PLANNING
Bachelor's Degree	SWE102	COMPUTER PROGRAMMING II
Master's Degree	IT502	PROGRAMMING WORKSHOP
Master's Degree	IT598	MASTER PROJECT
Master's Degree	BT502	PROGRAMLAMA ÇALIŞTAYI
Other	IT520	INTERNET AND WEB PROGRAMMING
Bachelor's Degree	YZL101.1	BİLGİSAYAR PROGRAMLAMA I
Bachelor's Degree	YZL102.1	BİLGİSAYAR PROGRAMLAMA II

PERSONAL INFORMATION

CONTACT INFORMATION
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