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Personal Information

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International Researcher IDs

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Education Information

Doctorate, University of Essex, Bilgisayar Mühendisliği, United Kingdom 2010 - 2014

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2007 - 2009

Undergraduate, Ankara University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2003 - 2007

Dissertations

Doctorate, User tracking methods for augmented reality applications in cultural heritage, University of Essex, Bilgisayar Mühendisliği, 2014

Research Areas

Computer Sciences, Physics

Academic Titles / Tasks

Research Assistant, Ankara University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2007 - Continues

Academic and Administrative Experience

Vice Dean, Ankara University, 2019 - 2020

Courses

Araştırma Teknikleri, Undergraduate, 2017 - 2018, 2015 - 2016

Bilgi Sistemlerine Giriş, Postgraduate, 2017 - 2018

Evrimsel Hesaplama, Postgraduate, 2017 - 2018, 2015 - 2016

Melez Sistemler, Postgraduate, 2016 - 2017, 2015 - 2016

Mikroişlemciler, Undergraduate, 2016 - 2017

Özel Konular, Undergraduate, 2016 - 2017, 2015 - 2016
Bilgisayar Mimarisi, Undergraduate, 2016 - 2017
Görüntü İşleme, Postgraduate, 2016 - 2017
Bilgisayar Grafiği, Undergraduate, 2015 - 2016
C++ Programming Laboratory, Undergraduate, 2013 - 2014
Computer Vision Laboratory, Postgraduate, 2013 - 2014
Bilgisayar Grafiği Laboratuvar, Undergraduate, 2013 - 2014
C Programming and Embedded Systems Laboratory, Undergraduate, 2013 - 2014
Programlama Dilleri Laboratuvar, Undergraduate, 2013 - 2014
Computer Vision Laboratory, Undergraduate, 2013 - 2014, 2012 - 2013
Digital Systems Architecture Laboratory, Undergraduate, 2013 - 2014, 2012 - 2013
3D Computer Graphics Laboratory, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011
Web Development Laboratory, Undergraduate, 2012 - 2013
Bilgisayar Yazılımı Laboratuvar, Undergraduate, 2009 - 2010, 2008 - 2009, 2007 - 2008
Web Programlama Laboratuvar, Undergraduate, 2009 - 2010
Bilgisayar Mimarisi Laboratuvar, Undergraduate, 2008 - 2009, 2007 - 2008

Advising Theses

BOSTANCI G. E., SAR (sentetik açıklıklı radar) görüntülerinde bölütleme, Postgraduate, H.ERTEN(Student), 2021
BOSTANCI G. E., Öneri sistemlerinde başarıyı artırmak için yapay zeka tabanlı yaklaşımlar, Doctorate, B.ŞEREF(Student), 2021
BOSTANCI G. E., Artificial intelligence based approaches to increase success in recommender systems, Doctorate, B.Şeref(Student), 2021
BOSTANCI G. E., Adli bilişimde makine öğrenmesi: makine öğrenmesi algoritmaları ile terör olaylarının tahmin edilmesi çalışması, Postgraduate, B.GÖRMEZ(Student), 2021
BOSTANCI G. E., Önleyici kolluk faaliyetleri kapsamında sosyal medyada veri madenciliği: suçları önlemek için Twitter Analytic'i kullanma, Doctorate, E.CİHAN(Student), 2021
BOSTANCI G. E., Nvidia dıgıts kullanılarak yüz duygu ifadelerinin sınıflandırılması ve adli yaklaşım, Postgraduate, S.ÇAĞLA(Student), 2020
BOSTANCI G. E., Amazon alexa ve google home akıllı ev sistemi asistanlarının adli açıdan incelenmesi, Postgraduate, İ.YILDIRIM(Student), 2020
BOSTANCI G. E., The modelling of human body movements with intrepolation methods, Postgraduate, E.HALICI(Student), 2019
BOSTANCI G. E., Blokszincir teknolojisi ile rekolte tahmin platformu tasarlamak, Postgraduate, T.DOĞANTUNA(Student), 2019
BOSTANCI G. E., Kültürel miras alanları için uzaktan artırılmış gerçeklik sistemi, Postgraduate, M.ÜNAL(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimization of synchrotron radiation parameters using swarm intelligence and evolutionary algorithms**
Karaca A. S., BOSTANCI G. E., KETENOĞLU D., Harder M., CANBAY A. C., KETENOĞLU B., Eren E., AYDIN A., Yin Z., GÜZEL M. S., et al.
Journal of Synchrotron Radiation, vol.31, no.Pt 2, pp.420-429, 2024 (SCI-Expanded)
- II. **Deep Learning in Diagnosis of Dental Anomalies and Diseases: A Systematic Review**
Sivari E., Senirkentli G. B., BOSTANCI G. E., GÜZEL M. S., AÇICI K., Asuroglu T.
Diagnostics, vol.13, no.15, 2023 (SCI-Expanded)
- III. **Deep-Learning-Based Approaches for Semantic Segmentation of Natural Scene Images: A Review**

- Emek Soylu B., Güzel M. S., Bostancı G. E., Ekinci F., Aşuroğlu T., Açıcı K.
ELECTRONICS (Basel), vol.12, no.12, pp.1-49, 2023 (SCI-Expanded)
- IV. **Semantic Segmentation with High-Resolution Sentinel-1 SAR Data**
Erten H., Bostancı E., Acici K., Guzel M. S., Asuroglu T., Aydin A.
APPLIED SCIENCES-BASEL, vol.13, no.10, 2023 (SCI-Expanded)
- V. **Machine learning based orthodontic treatment planning for mixed dentition borderline cases suffering from moderate to severe crowding: An experimental research study**
Senirkentli B., Bingöl S. İ., Ünal M., Bostancı G. E., Güzel M. S., Açıcı K.
TECHNOLOGY AND HEALTH CARE, vol.2023, no.2023, pp.1-13, 2023 (SCI-Expanded)
- VI. **Machine Learning Analysis of RNA-seq Data for Diagnostic and Prognostic Prediction of Colon Cancer**
Bostancı E., Kocak E., Unal M., Guzel M. S., Açıcı K., Asuroglu T.
SENSORS, vol.23, no.6, 2023 (SCI-Expanded)
- VII. **A New Approach for Gastrointestinal Tract Findings Detection and Classification: Deep Learning-Based Hybrid Stacking Ensemble Models**
Sivari E., BOSTANCI G. E., GÜZEL M. S., AÇICI K., Asuroglu T., Ercelebi Ayyildiz T.
DIAGNOSTICS, vol.13, no.4, 2023 (SCI-Expanded)
- VIII. **Common Thorax Diseases Recognition Using Zero-Shot Learning With Ontology in the Multi-Labeled ChestX-ray14 Data Set**
Soysal O. A., GÜZEL M. S., Dikmen M., BOSTANCI G. E.
IEEE Access, vol.11, pp.27883-27892, 2023 (SCI-Expanded)
- IX. **A NEW ALGORITHM FOR OPTIMAL SOLUTION OF FIXED CHARGE TRANSPORTATION PROBLEM**
Kartlı N., Bostancı E., GÜZEL M. S.
KYBERNETIKA, vol.59, no.1, pp.45-63, 2023 (SCI-Expanded)
- X. **A Monte Carlo Study for Soft Tissue Equivalency of Potential Polymeric Biomaterials Used in Carbon Ion Radiation Therapy**
Ekinci F., BOSTANCI G. E., GÜZEL M. S., DAĞLI Ö.
Nuclear Technology, vol.209, no.8, pp.1229-1239, 2023 (SCI-Expanded)
- XI. **Effect of different embolization materials on proton beam stereotactic radiosurgery Arteriovenous Malformation dose distributions using the Monte Carlo simulation code**
Ekinci F., Bostancı E., Guzel M. S., Dagli O.
JOURNAL OF RADIATION RESEARCH AND APPLIED SCIENCES, vol.15, no.3, pp.191-197, 2022 (SCI-Expanded)
- XII. **Cloudy/clear weather classification using deep learning techniques with cloud images**
KALKAN M., BOSTANCI G. E., GÜZEL M. S., Kalkan B., ÖZSARI Ş., Soysal O., Kose G.
COMPUTERS & ELECTRICAL ENGINEERING, vol.102, 2022 (SCI-Expanded)
- XIII. **Sentimental Analysis of Twitter Users from Turkish Content with Natural Language Processing**
Ballı C., GÜZEL M. S., BOSTANCI G. E., Mishra A.
COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE, vol.2022, 2022 (SCI-Expanded)
- XIV. **A Novel Hybrid Machine Learning Based System to Classify Shoulder Implant Manufacturers**
Sivari E., GÜZEL M. S., BOSTANCI G. E., Mishra A.
HEALTHCARE, vol.10, no.3, 2022 (SCI-Expanded)
- XV. **Development of a hybrid system based on ABC algorithm for selection of appropriate parameters for disease diagnosis from ECG signals**
Ersoy E., BOSTANCI G. E., GÜZEL M. S.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.30, no.5, pp.1788-1803, 2022 (SCI-Expanded)
- XVI. **A Low-Cost Q-Learning-Based Approach to Handle Continuous Space Problems for Decentralized Multi-Agent Robot Navigation in Cluttered Environments**
Ajabshir V. B., GÜZEL M. S., BOSTANCI G. E.
IEEE ACCESS, vol.10, pp.35287-35301, 2022 (SCI-Expanded)
- XVII. **A Novel Behavioral Strategy for RoboCode Platform Based on Deep Q-Learning**
Kayakoku H., GÜZEL M. S., BOSTANCI G. E., Medeni I. T., Mishra D.

- COMPLEXITY, vol.2021, 2021 (SCI-Expanded)
- XVIII. **Proton Therapy for Mandibula Plate Phantom**
Senirkentli G. B., Ekinçi F., BOSTANCI G. E., GÜZEL M. S., DAĞLI Ö., Karim A. M., Mishra A.
HEALTHCARE, vol.9, no.2, 2021 (SCI-Expanded)
- XIX. **Evolutionary neural networks for improving the prediction performance of recommender systems**
Seref B., BOSTANCI G. E., GÜZEL M. S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.29, no.1, pp.62-77, 2021 (SCI-Expanded)
- XX. **Adaptation of metaheuristic algorithms to improve training performance of an ESZSL model**
ÖZSARI Ş., GÜZEL M. S., BOSTANCI G. E., AYDIN A.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.29, no.3, pp.1781-1796, 2021 (SCI-Expanded)
- XXI. **An Effective Yield Estimation System Based on Blockchain Technology**
OSMANOĞLU M., TUĞRUL B., Dogantuna T., BOSTANCI G. E.
IEEE TRANSACTIONS ON ENGINEERING MANAGEMENT, vol.67, no.4, pp.1157-1168, 2020 (SCI-Expanded)
- XXII. **Optimization of SASE operation for an X-ray free-electron laser Using multiple objective evolutionary algorithms**
AYDIN A., KETENOĞLU B., Bostancı E.
INDIAN JOURNAL OF PURE & APPLIED PHYSICS, vol.58, no.8, pp.635-641, 2020 (SCI-Expanded)
- XXIII. **A multiple objective evolutionary algorithm approach to find optimal design parameters for beam position**
AYDIN A., Bostancı E., TANRIÖVER Ö. Ö.
INTERNATIONAL JOURNAL OF MODERN PHYSICS C, vol.31, no.3, 2020 (SCI-Expanded)
- XXIV. **A Novel Action Recognition Framework Based on Deep-Learning and Genetic Algorithms**
Yilmaz A. A., Güzel M. S., Bostancı G. E., Askerbeyli İ.
IEEE ACCESS, vol.8, pp.100631-100644, 2020 (SCI-Expanded)
- XXV. **Evolutionary approaches for weight optimization in collaborative filtering-based recommender systems**
YİĞİT SERT S., AR Y., BOSTANCI G. E.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.27, no.3, pp.2121-2136, 2019 (SCI-Expanded)
- XXVI. **Statistical evaluation of corner detectors: does the statistical test have an effect?**
Anjum F., Kanwal N., Clark A. F., BOSTANCI G. E.
IET COMPUTER VISION, vol.12, no.7, pp.1018-1030, 2018 (SCI-Expanded)
- XXVII. **Sensor fusion of camera, GPS and IMU using fuzzy adaptive multiple motion models**
BOSTANCI G. E., Bostancı B., Kanwal N., Clark A. F.
SOFT COMPUTING, vol.22, no.8, pp.2619-2632, 2018 (SCI-Expanded)
- XXVIII. **Enhanced image coverage using evolutionary keypoint selection**
Bostancı E.
IMAGING SCIENCE JOURNAL, vol.65, no.1, pp.30-39, 2017 (SCI-Expanded)
- XXIX. **A genetic algorithm solution to the collaborative filtering problem**
AR Y., BOSTANCI G. E.
EXPERT SYSTEMS WITH APPLICATIONS, vol.61, pp.122-128, 2016 (SCI-Expanded)
- XXX. **Evaluation Method, Dataset Size or Dataset Content: How to Evaluate Algorithms for Image Matching?**
Kanwal N., BOSTANCI G. E., Clark A. F.
JOURNAL OF MATHEMATICAL IMAGING AND VISION, vol.55, no.3, pp.378-400, 2016 (SCI-Expanded)
- XXXI. **Augmented reality applications for cultural heritage using Kinect**
BOSTANCI G. E., Kanwal N., Clark A. F.
HUMAN-CENTRIC COMPUTING AND INFORMATION SCIENCES, vol.5, 2015 (SCI-Expanded)
- XXXII. **A Navigation System for the Visually Impaired: A Fusion of Vision and Depth Sensor**

- Kanwal N., BOSTANCI G. E., Currie K., Clark A. F.
APPLIED BIONICS AND BIOMECHANICS, vol.2015, 2015 (SCI-Expanded)
- XXXIII. **Matching corners using the informative arc**
Kanwal N., BOSTANCI G. E., Clark A. F.
IET COMPUTER VISION, vol.8, no.3, pp.245-253, 2014 (SCI-Expanded)
- XXXIV. **Is Hamming distance only way for matching binary image feature descriptors?**
Bostanci E.
ELECTRONICS LETTERS, vol.50, no.11, pp.806-807, 2014 (SCI-Expanded)
- XXXV. **Spatial Statistics of Image Features for Performance Comparison**
BOSTANCI G. E., Kanwal N., Clark A. F.
IEEE TRANSACTIONS ON IMAGE PROCESSING, vol.23, no.1, pp.153-162, 2014 (SCI-Expanded)
- XXXVI. **Describing corners using angle, mean intensity and entropy of informative arcs**
Kanwal N., Bostanci E., Clark A. F.
ELECTRONICS LETTERS, vol.48, no.4, pp.209-210, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Airborne imagery and lidar based 3D reconstruction using commercial drones**
Açıcı K., Erdal Ö. M., Yılmaz A., Ünal M., Bostancı G. E., Güzel M. S.
Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, vol.65, no.1, pp.16-29, 2023 (Peer-Reviewed Journal)
- II. **ML BASED PREDICTION OF COVID-19 DIAGNOSIS USING STATISTICAL TESTS**
Özsarı Ş., Ortak F. Z., Güzel M. S., Başkır M. B., Bostancı G. E.
Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, vol.65, no.2, pp.79-99, 2023 (Peer-Reviewed Journal)
- III. **USING OF DECISION TREE CLASSIFICATIONS METHOD FOR INTRUSION DETECTION IN INTERNET NETWORKS**
Salati M., Askerbeyli İ., Bostancı G. E., Güzel M. S.
Proceedings of the Institute of Applied Mathematics, vol.11, no.2, pp.71-89, 2022 (Peer-Reviewed Journal)
- IV. **Distant augmented reality: Bringing a new dimension to user experience using drones**
ÜNAL M., BOSTANCI G. E., SERTALP E.
Digital Applications in Archaeology and Cultural Heritage, vol.17, 2020 (Scopus)
- V. **Security Evaluation of Industry 4.0: Understanding Industry 4.0 on the Basis of Crime, Big Data, Internet of Thing (IoT) and Cyber Physical Systems**
ATEŞ E. C., BOSTANCI G. E., GÜZEL M. S.
Güvenlik Bilimleri Dergisi, pp.29-50, 2020 (Peer-Reviewed Journal)
- VI. **GENERATING TURKISH LYRICS WITH LONG SHORT TERM MEMORY**
Erten H., GÜZEL M. S., BOSTANCI G. E.
Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, 2020 (Peer-Reviewed Journal)
- VII. **MODERN LEARNING TECHNIQUES AND PLANT IMAGE CLASSIFICATION**
ÜNAL M., BOSTANCI G. E., GÜZEL M. S., AYDIN A.
Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, 2020 (Peer-Reviewed Journal)
- VIII. **RF ANTENNA DESIGN FOR BUTTON-TYPE BEAM POSITION MONITORS USING BIO-INSPIRED OPTIMIZATION METHODS**
AYDIN A., Bostancı G. E.
Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, vol.62, no.1, pp.63-70, 2020 (Peer-Reviewed Journal)
- IX. **Big Data, Data Mining, Machine Learning, and Deep Learning Concepts in Crime Data**

Ates E. C., Bostanci E., GÜZEL M. S.

JOURNAL OF PENAL LAW AND CRIMINOLOGY-CEZA HUKUKU VE KRIMINOLOJİ DERGISİ, vol.8, no.2, pp.293-319, 2020 (ESCI)

- X. **A New View on The Processing of Seismic Data With Artificial Neural Networks**
AĞAOĞLU B., Ünal F. Z., GÜZEL M. S., BOSTANCI G. E., ASKERBEYLİ İ.
International Journal of Multidisciplinary Studies and Innovative Technologies, 2019 (Peer-Reviewed Journal)
- XI. **A hard X-ray self-amplified spontaneous emission free-electron laser optimization using evolutionary algorithms for dedicated user applications**
KETENOĞLU D., BOSTANCI G. E., AYDIN A., KETENOĞLU B.
TURKISH JOURNAL OF PHYSICS, vol.43, no.6, pp.551-555, 2019 (ESCI)
- XII. **Forensic Analysis of Amazon Alexa and Google Assistant Built-In Smart Speakers**
yıldırım i., BOSTANCI G. E., GÜZEL M. S.
International Journal of Innovation Engineering and Science Research, vol.3, no.5, 2019 (Peer-Reviewed Journal)
- XIII. **Ancient Tablet Indexation Service**
Ayas M., Sönmez M. F., BOSTANCI G. E., GÜZEL M. S.
Eurasian Education Literature Journal, no.UTKM3, 2019 (Peer-Reviewed Journal)
- XIV. **A vehicle detection approach using deep learning methodologies**
Yılmaz A., Güzel M. S., Bostancı G. E., Askerbeyli İ.
preprint, vol.1, no.1, 2018 (Peer-Reviewed Journal)
- XV. **Optimization of potential field parameters using genetic algorithm**
GÜZEL M. S., Ajabshir V. B., CAN S., BOSTANCI G. E.
Global Journal of Computer Sciences: Theory and Research, vol.7, no.2, pp.58-67, 2017 (Peer-Reviewed Journal)
- XVI. **A Thread Building Blocks Based Parallel Genetic Algorithm**
BOSTANCI G. E., AR Y., YİĞİT SERT S.
International Journal of Research and Reviews in Applied Sciences, vol.31, no.1, pp.1-8, 2017 (Peer-Reviewed Journal)
- XVII. **Augmented Reality Applications for Cultural Heritage**
Bostanci E.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGISİ, vol.17, no.3, pp.133-142, 2011 (ESCI)

Books & Book Chapters

- I. **Analysis of Interpolation-Based Image In-Painting Approaches**
Zor M., Bostancı G. E., Güzel M. S., Karataş E.
in: Advanced Sensing in Image Processing and IoT, Rashmi Gupta, Arun Kumar Rana, Sachin Dhawan, Korhan Cengiz, Editor, CRC, New York , Florida, pp.153-170, 2022
- II. **Evolutionary Motion Model Transitions for Tracking Unmanned Air Vehicles**
ÜNAL M., BOSTANCI G. E., GÜZEL M. S., ÜNAL F. Z., KANWAL N.
in: New Trends in Computational Vision and Bio-inspired Computing, Smys S., Iliyasa A.M., Bestak R., Shi F. (eds), Editor, Springer, Cham, pp.1193-1200, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **INTRUSION DETECTION OF INTERNET NETWORKS THROUGH DECISION TREE CLASSIFICATION**
Salati M., Askerbeyli İ., Güzel M. S., Bostancı G. E.
8th International Conference on Control and Optimization with industrial application, Baku, Azerbaijan, 24 - 26 August 2022, vol.1, pp.384-386
- II. **RISK ANALYSIS OF AN INVESTMENT PROJECT USING DEEP LEARNING TECHNIQUES**

Özcan D., Askerbeyli İ., Bostancı G. E.

8th International Conference on Control and Optimization with Industrial applications, Baku, Azerbaijan, 24 - 26 August 2022, vol.2, pp.375-377

- III. **A New Algorithm For The Initial Feasible Solutions Of Fixed Charge Transportation Problem**
Kartlı N., BOSTANCI G. E., GÜZEL M. S.
7th International Conference on Computer Science and Engineering, UBMK 2022, Diyarbakır, Turkey, 14 - 16 September 2022, pp.82-85
- IV. **Mobile Robot Navigation with Swarm Intelligence using a Decentralized Strategy**
GÜZEL M. S., Bostancı E., Mishra A.
IEEE/SICE International Symposium on System Integration (SII), ELECTR NETWORK, 9 - 12 January 2022, pp.838-843
- V. **Genetic Hyperparameter Optimization Library Development and Its Application on Plant Disease Detection Problem**
Soylu K., GÜZEL M. S., Soylu B., BOSTANCI G. E.
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 October 2020
- VI. **Estimates financial return with ANFIS method**
Ozcan D., ASKERBEYLİ İ., BOSTANCI G. E.
IV Int Conference on Theoretical and Applied CS and engineering, 11 - 12 October 2019, pp.70-76
- VII. **Main Agricultural Crop Classification Using SVM in Harran Plane**
Taş T., Şimşek F. E., BAYRAMİN İ., GÜZEL M. S., BOSTANCI G. E.
ICTACSE 2019, 11 October 2019
- VIII. **Understanding Industry 4.0 on the Basis of Security, IoT (Internet Of Thing) And Big Data: Evaluation Of Possible Crimes And Remedies**
ATEŞ E. C., BOSTANCI G. E., GÜZEL M. S.
International Security Congress (Theory, Method, Practice), Ankara, Turkey, 19 - 20 September 2019, pp.39-41
- IX. **Classification and Success Investigation of Biomedical Data Sets Using Supervised Machine Learning Models**
Mohammed S. N., Serdar Guzel M., BOSTANCI G. E.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2019, Ankara, Turkey, 11 - 13 October 2019
- X. **Data Mining on Twitter: Sample Analysis of Tweets Related to Cyberbullying**
ATEŞ E. C., BOSTANCI G. E., GÜZEL M. S.
International Security Congress (Theory, Method, Practice), Ankara, Turkey, 19 - 20 September 2019, pp.195-197
- XI. **Network Anomaly Detection System using Genetic Algorithm, Feature Selection and Classification**
Uysal E. I., Demircioglu G., Kale G., BOSTANCI G. E., GÜZEL M. S., Mohammed S. N.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2019, Ankara, Turkey, 11 - 13 October 2019
- XII. **A New View on The Processing of Seismic Data With Artificial Neural Networks**
Ağaoğlu B., Ünal Z., GÜZEL M. S., BOSTANCI G. E., ASKERBEYLİ İ.
International Conference HORA, 5 - 07 July 2019
- XIII. **Surveillance and Reconnaissance Using a Swarm of Unmanned Aerial Vehicles**
aydın m., BOSTANCI G. E., GÜZEL M. S.
International Security Congress, 19 - 20 September 2019
- XIV. **A Fuzzy Rule Based Visual Criminal Tracking System for Drones**
çetinkaya o. t., sandal s., BOSTANCI G. E., GÜZEL M. S., Kanwal N.
4 th International Conference on Computer Science and Engineering, 11 - 13 September 2019
- XV. **An IOT based Mobile Radar System**
Aydoğan E., BOSTANCI G. E., GÜZEL M. S., AYDIN A.
International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES 2019), 26 - 28 April 2019

- XVI. **3D Scene Reconstruction using a Swarm of Drones**
aydın m., BOSTANCI G. E., GÜZEL M. S.
International Conference on Advanced Technologies, Computer Engineering and Science, 26 - 28 April 2019
- XVII. **Forensic Analysis with Anti-Forensic Case Studies on Amazon Alexa and Google Assistant Build-In Smart Home Speakers**
Yildirim I., BOSTANCI G. E., GÜZEL M. S.
4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.271-273
- XVIII. **Comparison of Region Filling Algorithms Using Texture Synthesis Methodologies**
Yilmaz A. A., GÜZEL M. S., Askerzade İ., BOSTANCI G. E.
6th International Conference on Electrical and Electronics Engineering (ICEEE), İstanbul, Turkey, 16 - 17 April 2019, pp.340-343
- XIX. **Performance Comparison of Naive Bayes and Complement Naive Bayes Algorithms**
Seref B., BOSTANCI G. E.
6th International Conference on Electrical and Electronics Engineering (ICEEE), İstanbul, Turkey, 16 - 17 April 2019, pp.131-138
- XX. **Desktop Artillery Simulation Using Augmented Reality**
Yavuz M. U., Sayar R., Yilmaz B., BOSTANCI G. E., GÜZEL M. S., Yilmaz A. A.
6th International Conference on Electrical and Electronics Engineering (ICEEE), İstanbul, Turkey, 16 - 17 April 2019, pp.79-85
- XXI. **A Fuzzy Rule Based Visual Human Tracking System for Drones**
Cetinkaya O. T., Sandal S., BOSTANCI G. E., GÜZEL M. S., OSMANOĞLU M., Kanwal N.
4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.274-279
- XXII. **Optimization of medium voltage load break switchgear using multiple objective evolutionary algorithms**
Ates H., BOSTANCI G. E., GÜZEL M. S.
3rd International Conference on Applied Automation and Industrial Diagnostics (ICAAID), Elazığ, Turkey, 25 - 27 September 2019
- XXIII. **A Neural Expert System Based Dental Trauma Diagnosis Application**
Senirkentli G. B., Sen S., Farsak O., BOSTANCI G. E.
Medical Technologies Congress (TIPEKNO), İzmir, Turkey, 3 - 05 October 2019, pp.188-191
- XXIV. **Anomaly Based DDOSS Attack Detection and Prevention with Machine Learning**
dinçalp u., GÜZEL M. S., BOSTANCI G. E., SEVİNÇ Ö.
ISMSIT 2018, 19 - 21 October 2018
- XXV. **Designing Yield Estimation Mechanism Using Blockchain Technology**
Doğantuna T., Ceran A. A., Tuğrul B., Demir S., Osmanoğlu M., Bostancı G. E.
3. International Conference on Theoretical and Applied Computer Science and Engineering, Ankara, Turkey, 23 - 24 November 2018, pp.82-85
- XXVI. **Evolutionary Fuzzy Adaptive Motion Models for User Tracking in Augmented Reality Applications**
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