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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: B-6848-2009

ScopusID: 6603000731

Yoksis Researcher ID: 2229

Education Information

Doctorate, Sakarya University, Institute Of Science, Elektrik, Elektronik Mühendisliği (Dr), Turkey 1994 - 1998

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Müh., Turkey 1991 - 1994

Undergraduate, Yildiz Technical University, Kocaeli Müh. Fak., Elektronik Ve Haberleşme Müh., Turkey 1987 - 1991

Dissertations

Doctorate, Nöro-Optimal Kontrol, Sakarya Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik, Elektronik Mühendisliği (Dr), 1998

Postgraduate, Restoration of images degraded by additive gaussian noise by means of kalman filtering, Istanbul Technical University, Fen Bilimleri Enstitüsü, Electronic and Communication Eng., 1994

Research Areas

Information Systems, Communication and Control Engineering, Computer Sciences, Biomedical Engineering, Electrical and Electronics Engineering, Engineering and Technology

Academic Titles / Tasks

Professor, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011 - Continues

Professor, Yalova University, Faculty Of Engineering, Department Of Computer Engineering, 2013 - 2014

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2005 - 2011

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2000 - 2005

Research Assistant, Sakarya University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 1992 - 2000

Academic and Administrative Experience

Fakülte Kurulu Üyesi, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2019 - Continues

Head of Department, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2019 - Continues
Head of Department, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2019 - Continues
Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2014 - 2017
Yalova Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2014 - 2014
Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2010 - 2013
Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2000 - 2013
Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2006 - 2006
Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2003 - 2006
Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2000 - 2003

Courses

Deep Learning and Its Applications, Doctorate, 2022 - 2023
BULANIK MANTIK, Undergraduate, 2016 - 2017
OPTİMİZASYON TEORİSİ, Postgraduate, 2016 - 2017
NÖRON AĞLARINA GİRİŞ, Undergraduate, 2016 - 2017
İLERİ ÖRÜNTÜ TANIMA TEKNİKLERİ VE UYGULAMALARI, Doctorate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Recurrent neural network and long short-term memory models for audio copy-move forgery detection: a comprehensive study**
AKDENİZ F., BECERİKLİ Y.
Journal of Supercomputing, vol.80, no.12, pp.17575-17605, 2024 (SCI-Expanded)
- II. **Detecting audio copy-move forgery with an artificial neural network**
AKDENİZ F., BECERİKLİ Y.
SIGNAL IMAGE AND VIDEO PROCESSING, vol.18, no.3, pp.2117-2133, 2024 (SCI-Expanded)
- III. **Simplified and Smoothed Rapidly-Exploring Random Tree Algorithm for Robot Path Planning**
Gultekin A., Diri S., Becerikli Y.
TEHNICKI VJESNIK-TECHNICAL GAZETTE, vol.30, no.3, pp.891-898, 2023 (SCI-Expanded)
- IV. **Behavior-based driver fatigue detection system with deep belief network**
Kır Savaş B., Becerikli Y.
NEURAL COMPUTING AND APPLICATIONS, vol.1, pp.14053-14065, 2022 (SCI-Expanded)
- V. **A Resource-Efficient Convolutional Neural Network Accelerator Using Fine-Grained Logarithmic Quantization**
Madadum H., BECERİKLİ Y.
INTELLIGENT AUTOMATION AND SOFT COMPUTING, vol.33, no.2, pp.681-695, 2022 (SCI-Expanded)
- VI. **Real Time Driver Fatigue Detection System Based on Multi-Task ConNN**
Savas B., BECERİKLİ Y.
IEEE ACCESS, vol.8, pp.12491-12498, 2020 (SCI-Expanded)
- VII. **Recognition of human action in motion detected images with GMACA**
Peldek S., BECERİKLİ Y.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.2, pp.1026-1043, 2019 (SCI-Expanded)
- VIII. **Automatic Identification of Landmarks for Standard Slice Positioning in Brain MRI**
Iskurt A., BECERİKLİ Y., MAHMUTYAZICIOĞLU K.
JOURNAL OF MAGNETIC RESONANCE IMAGING, vol.34, no.3, pp.499-510, 2011 (SCI-Expanded)
- IX. **FAST AND AUTOMATIC BRAIN EXTRACTION BY GEODESIC PASSIVE CONTOURS (BEGPC)**
Iskurt A., BECERİKLİ Y.

INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL, vol.6, no.12, pp.5665-5684, 2010 (SCI-Expanded)

- X. **Extraction of media and plaque boundaries in intravascular ultrasound images by level sets and min/max flow**
Iskurt A., BECERİKLİ Y.
EXPERT SYSTEMS, vol.27, no.2, pp.101-113, 2010 (SCI-Expanded)
- XI. **MULTIDIMENSIONAL STOCK CUTTING PROBLEM AND A NEW SOLUTION APPROACH**
Okatan A., Ozkan D. M., BECERİKLİ Y., Demiray H. E.
INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL, vol.5, pp.4431-4439, 2009 (SCI-Expanded)
- XII. **A NEW FUZZY EDGE DETECTOR FOR NOISY IMAGES USING MODIFIED WFM FILTER**
BECERİKLİ Y., Karan T. M., Okatan A.
INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL, vol.5, no.6, pp.1725-1733, 2009 (SCI-Expanded)
- XIII. **Modelling spatial distributions of moisture and quality during drying of granular baker's yeast**
Yuezgec U., Tuerker M., BECERİKLİ Y.
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, vol.86, no.4, pp.725-738, 2008 (SCI-Expanded)
- XIV. **Dynamic neural-network-based model-predictive control of an industrial baker's yeast drying process**
YÜZGEÇ U., BECERİKLİ Y., TÜRKER M.
IEEE TRANSACTIONS ON NEURAL NETWORKS, vol.19, no.7, pp.1231-1242, 2008 (SCI-Expanded)
- XV. **Modeling and prediction with a class of time delay dynamic neural networks**
Becerikli Y., OYSAL Y.
APPLIED SOFT COMPUTING, vol.7, no.4, pp.1164-1169, 2007 (SCI-Expanded)
- XVI. **Fuzzy control of inverted pendulum and concept of stability using Java application**
Becerikli Y., Celik B. K.
MATHEMATICAL AND COMPUTER MODELLING, vol.46, pp.24-37, 2007 (SCI-Expanded)
- XVII. **Wavelet networks for nonlinear system modeling**
POSTALCIOĞLU S., Becerikli Y.
NEURAL COMPUTING & APPLICATIONS, vol.16, pp.433-441, 2007 (SCI-Expanded)
- XVIII. **Nonlinear predictive control of a drying process using genetic algorithms**
Yuzgec U., Becerikli Y., Turker M.
ISA TRANSACTIONS, vol.45, no.4, pp.589-602, 2006 (SCI-Expanded)
- XIX. **Modified descend curvature based fixed form fuzzy optimal control of nonlinear dynamical systems**
OYSAL Y., Becerikli Y., Konar A.
COMPUTERS & CHEMICAL ENGINEERING, vol.30, no.5, pp.878-888, 2006 (SCI-Expanded)
- XX. **Neural network implementation in hardware using FPGAs**
Sahin S., Becerikli Y., Yazici S.
NEURAL INFORMATION PROCESSING, PT 3, PROCEEDINGS, vol.4234, pp.1105-1112, 2006 (SCI-Expanded)
- XXI. **Intelligent adaptive nonlinear flight control for a high performance aircraft with neural networks**
SAVRAN A., TAŞALTIN R., BECERİKLİ Y.
ISA Transactions, vol.45, no.2, pp.225-247, 2006 (SCI-Expanded)
- XXII. **Direct descent curvature optimal control with a modification algorithm and its application to nonlinear process**
Becerikli Y., Konar A.
ISA TRANSACTIONS, vol.45, no.1, pp.45-54, 2006 (SCI-Expanded)
- XXIII. **Phase portrait modeling of a nonlinear system with a dynamic fuzzy network**
Oysal Y., Becerikli Y., Konar A.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.16, no.6, pp.703-714, 2005 (SCI-Expanded)
- XXIV. **Fuzzy lowpass filtering**
Becerikli Y., Tutuncu M., Demiray H.

KNOWLEDGE-BASED INTELLIGENT INFORMATION AND ENGINEERING SYSTEMS, PT 2, PROCEEDINGS, vol.3682, pp.378-385, 2005 (SCI-Expanded)

- XXV. **A new fuzzy approach for edge detection**
BECERİKLİ Y., KARAN T. M.
COMPUTATIONAL INTELLIGENCE AND BIOINSPIRED SYSTEMS, PROCEEDINGS, vol.3512, pp.943-951, 2005 (SCI-Expanded)
- XXVI. **On three intelligent systems: dynamic neural, fuzzy, and wavelet networks for training trajectory**
Becerikli Y.
NEURAL COMPUTING & APPLICATIONS, vol.13, no.4, pp.339-351, 2004 (SCI-Expanded)
- XXVII. **Trajectory priming with dynamic fuzzy networks in nonlinear optimal control**
Becerikli Y., Oysal Y., Konar A.
IEEE TRANSACTIONS ON NEURAL NETWORKS, vol.15, no.2, pp.383-394, 2004 (SCI-Expanded)
- XXVIII. **Generalized modeling principles of a nonlinear system with a dynamic fuzzy network**
Oysal Y., Becerikli Y., Konar A.
COMPUTERS & CHEMICAL ENGINEERING, vol.27, no.11, pp.1657-1664, 2003 (SCI-Expanded)
- XXIX. **Intelligent optimal control with dynamic neural networks**
BECERİKLİ Y., Konar A. F., Samad T.
Neural Networks, vol.16, no.2, pp.251-259, 2003 (SCI-Expanded)
- XXX. **On a dynamic wavelet network and its modeling application**
Becerikli Y., Oysal Y., Konar A.
ARTIFICIAL NEURAL NETWORKS AND NEURAL INFORMATION PROCESSING - ICAN/ICONIP 2003, vol.2714, pp.710-718, 2003 (SCI-Expanded)
- XXXI. **Nonlinear filtering design using dynamic neural networks with fast training**
Becerikli Y.
COMPUTER AND INFORMATION SCIENCES - ISCIS 2003, vol.2869, pp.601-610, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Dijital multimedya verilerinin güvenliği ve sahtecilik tespiti**
AKDENİZ F., BECERİKLİ Y.
Adli Tıp Dergisi, vol.37, no.3, pp.87-93, 2023 (Peer-Reviewed Journal)
- II. **GPS Verisinin Alınmadığı Ortamlarda Otonom Görev Yapabilen Gemi İçin Sensör Kaynaştırma Algoritmaları Tasarımı, Gerçeklenmesi ve Testi**
ÇELİK C., BECERİKLİ Y.
International Journal of Advanced Natural Sciences and Engineering Researches (IJANSER): All Sciences Proceedings, vol.7, no.6, pp.156-162, 2023 (Peer-Reviewed Journal)
- III. **Symbol Detection with Deep Learning**
ASLAN F., BECERİKLİ Y.
International Journal of Advanced Natural Sciences and Engineering Researches (IJANSER): All Sciences Proceedings, vol.7, no.6, pp.239-243, 2023 (Peer-Reviewed Journal)
- IV. **Türkçe Twitter Verileri Üzerinde Duygu Analizi: LSTM, CNN-LSTM, BERT Algoritmalarının Karşılaştırılması**
DÖNMEZ H. G., BECERİKLİ Y.
International Journal of Advanced Natural Sciences and Engineering Researches (IJANSER) :All Sciences Proceedings, vol.7, no.6, pp.132-138, 2023 (Peer-Reviewed Journal)
- V. **Optik Görüntülerdeki Deniz Vasıtalarının Derin Öğrenme Yöntemleriyle Tespiti ve Sınıflandırılması**
İZALA Y., BECERİKLİ Y.
International Journal of Advanced Natural Sciences and Engineering Researches (IJANSER): All Sciences Proceedings, vol.7, no.6, pp.139-144, 2023 (Peer-Reviewed Journal)
- VI. **Scrum Yöntemi İle Oyun Programlama Ve Süre Tahmini**

- Mercan Ş., BECERİKLİ Y.
Bilgisayar Bilimleri ve Mühendisliği Dergisi, vol.14, no.1, pp.57-67, 2021 (Peer-Reviewed Journal)
- VII. **A Deep Learning Approach to Driver Fatigue Detection via Mouth State Analyses and Yawning Detection**
KIR SAVAŞ B., BECERİKLİ Y.
IOSR Journal of Computer Engineering (IOSR-JCE), vol.23, no.3, pp.24-30, 2021 (Peer-Reviewed Journal)
- VIII. **AGILE METHODS IN GAME PROGRAMMING BASED ON SCRUM**
Mercan Ş., BECERİKLİ Y.
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.24, no.5, pp.882-891, 2020 (Peer-Reviewed Journal)
- IX. **Performance evaluation of support vector machine and convolutional neural network algorithms in real-time vehicle type and color classification**
Şentaş A., Tashiev I., Küçükayvaz F., KUL S., EKEN S., SAYAR A., BECERİKLİ Y.
EVOLUTIONARY INTELLIGENCE, vol.13, no.1, pp.83-91, 2020 (ESCI)
- X. **Performance Evaluation of Support Vector Machine and Convolutional Neural Network Algorithms in Real-time Vehicle Type Classification**
Şentaş A., Tashiev I., Küçükayvaz F., Kul S., Eken S., Sayar A., Becerikli Y.
Evolutionary Intelligence Journal, vol.13, pp.83-91, 2020 (Peer-Reviewed Journal)
- XI. **Development of Electronic Water Meter Based on Wireless Network and RF**
Goreneki K., BECERİKLİ Y.
ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH, vol.9, no.2, pp.3905-3908, 2019 (ESCI)
- XII. **Hücreyel Otomata Tabanlı İkili Sınıflandırma**
PELDEK S., BECERİKLİ Y.
Bilişim Teknolojileri Dergisi, vol.12, no.1, pp.43-58, 2019 (Peer-Reviewed Journal)
- XIII. **Video Görüntüleri Kullanılarak Sürücü Yorgunluğu Sezme Sistemi Geliştirilmesi (Development of Driver Fatigue Detection System By Using Video Images)**
KIR SAVAŞ B., BECERİKLİ Y.
Journal of Intelligent Systems with Applications, vol.2, no.1, pp.26-29, 2019 (Peer-Reviewed Journal)
- XIV. **Video Görüntüleri Kullanılarak Sürücü Yorgunluğu Sezme Sistemi Geliştirilmesi (Development of Driver Fatigue Detection System By Using Video Images) (Bu çalışma ASYU-2017 Konferansında sunulmuş ve sadece özet olarak Bildiri Özetleri Kitabı (ISBN: 978-605-84722-8-0)'nda yayımlanmıştır)**
KIR SAVAŞ B., BECERİKLİ Y.
Akıllı Sistemler ve Uygulamaları Dergisi (Journal of Intelligent Systems with Applications, vol.1, no.2, pp.193-196, 2018 (Non Peer-Reviewed Journal)
- XV. **Sensor Positioning on Digital Maps for Coverage Maximization by Using Genetic Algorithm**
TENĞERLİ N. C., BECERİKLİ Y.
Applied Mechanics and Materials, vol.850, pp.38-42, 2016 (Peer-Reviewed Journal)
- XVI. **Real Time System Implementation for Image Processing with Hardware Software Co design on the Xilinx Zynq Platform**
ALTUNCU M. A., GÜVEN T., BECERİKLİ Y., ŞAHİN S.
International Journal of Information and Electronics Engineering, vol.5, pp.473-477, 2015 (Peer-Reviewed Journal)
- XVII. **Simulation and Comparison of Shortest Path First Routing Algorithms**
GÖK O., BECERİKLİ Y.
Journal of Naval Sciences and Engineering, vol.3, no.1, pp.11-22, 2005 (Peer-Reviewed Journal)
- XVIII. **The Implementation of a Fuzzy Logic Using FPGA**
YAZICI S., BECERİKLİ Y., ŞAHİN S.
Journal of Naval Sciences and Engineering, vol.2, pp.13-19, 2004 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Performance Evaluation of Support Vector Machine and Convolutional Neural Network Algorithms in Real-time Vehicle Type Classification**
ŞENTAŞ A., TASHİEV I., KÜÇÜKAYVAZ F., SAYAR A., KUL S., EKEN S., BECERİKLİ Y.
in: Advances in Internet, Data Web Technologies, Leonard Barolli, Fatos Xhafa, Nadeem Javaid, Evjola Spaho, Vladi Kolic, Editor, Springer, 2018
- II. **Performance Evaluation of Support Vector Machine and Convolutional Neural Network Algorithms in Real-Time Vehicle Type Classification**
Şentaş A., Tashiev I., Küçükayvaz F., KUL S., EKEN S., SAYAR A., BECERİKLİ Y.
in: Advances in Internet, Data Web Technologies, Barolli Leonard, Xhafa Fatos, Javaid Nadeem, Spaho Evjola, Kolic Vladi, Editor, Springer, pp.934-943, 2018
- III. **Implementation of floating point arithmetics using an FPGA**
ŞAHİN S., KAVAK A., BECERİKLİ Y., demiray h. e.
in: Mathematical Methods in Engineering Edits, K. Taş, J. A. Tenreiro Machado, D. Baleanu, Editor, Springer, pp.445-453, 2007

Refereed Congress / Symposium Publications in Proceedings

- I. **A Comparative Study Based on Deep Learning and Machine Learning Methods for COVID-19 Detection Using Audio Signal**
AKDENİZ F., Damar M. N., Danacı B. İ., Savaş B. K., BECERİKLİ Y.
8th International Conference on Smart City Applications, SCA 2023, Paris, France, 4 - 06 October 2023, vol.906 LNNS, pp.457-466
- II. **A Review of a Research in Autonomous Vehicles with Embedded Systems**
AKDENİZ F., Atay M., Vural Ş., Savaş B. K., BECERİKLİ Y.
8th International Conference on Smart City Applications, SCA 2023, Paris, France, 4 - 06 October 2023, vol.906 LNNS, pp.229-239
- III. **A Comparative Analysis of SVM, LSTM and CNN-RNN Models for the BBC News Classification**
Karaman Y., AKDENİZ F., Savaş B. K., BECERİKLİ Y.
7th International Conference on Smart City Applications, SCA 2022, Castelo Branco, Portugal, 19 - 21 October 2022, vol.629 LNNS, pp.473-483
- IV. **Real Time Multi-digit Number Recognition System Using YOLOv3 and YOLOv5**
Irmak M. A., Akgün H., Ekşi E., Öztürk S., Akdeniz F., Savaş B. K., Becerikli Y.
7th International Conference on Smart City Applications, SCA 2022, Castelo Branco, Portugal, 19 - 21 October 2022, vol.629 LNNS, pp.463-472
- V. **Driver Fatigue Detection via Eye State Analyses Based on Deep Learning Approach**
Kır Savaş B., Becerikli Y.
7th International Conference on Smart City Applications, SCA 2022, Castelo Branco, Portugal, 19 - 21 October 2022, vol.629 LNNS, pp.452-462
- VI. **Çoklu İHA'nın Haberleşmesi ile Düşman Ortamının Matematiksel Modellemesi**
GÜLTEKİN A., DİRİ S., BECERİKLİ Y.
3rd International Conference on Applied Engineering and Natural Sciences ICAENS 2022, Konya, Turkey, 20 July 2022, pp.877-882
- VII. **An Adaptive Accelerator for Convolutional Neural Networks Using Partial Reconfiguration on FPGA**
Madadum H., BECERİKLİ Y.
7th International Conference on Computer Science and Engineering, UBMK 2022, Diyarbakır, Turkey, 14 - 16 September 2022, pp.350-354
- VIII. **Mixed-Method Quantization of Convolutional Neural Networks on an Adaptive FPGA Accelerator**
Madadum H., BECERİKLİ Y.
7th International Conference on Computer Science and Engineering, UBMK 2022, Diyarbakır, Turkey, 14 - 16 September 2022, pp.355-359

- IX. Linear Prediction Coefficients based Copy-Move Forgery Detection in Audio Signal**
AKDENİZ F., BECERİKLİ Y.
6th International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2022, Ankara, Turkey, 20 - 22 October 2022, pp.770-773
- X. AKEL: Smart Glove Design that Recognizes Turkish Sign Language and An Android Operating System Based Mobile Application**
YAVUZ E., OZER A., AKDENİZ F., BECERİKLİ Y.
2020 Innovations in Intelligent Systems and Applications Conference (ASYU), 15 - 17 October 2020
- XI. Fruit Recognition and Classification with Deep Learning Support on Embedded System (fruitnet)**
Unal H. B., Vural E., Savas B., BECERİKLİ Y.
2020 Innovations in Intelligent Systems and Applications Conference, ASYU 2020, İstanbul, Turkey, 15 - 17 October 2020
- XII. FPGA-Based Optimized Convolutional Neural Network Framework for Handwritten Digit Recognition**
Madadum H., BECERİKLİ Y.
36. National Informatics Congress and 1st International Informatics and Software Engineering Conference", Ankara, Turkey, 6 - 07 November 2019, pp.336-341
- XIII. Performance Comparison of Support Vector Machine, K-Nearest-Neighbor, Artificial Neural Networks, and Recurrent Neural networks in Gender Recognition from Voice Signals**
Akdeniz F., Becerikli Y.
2019 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkey, 11 - 13 October 2019
- XIV. Android İşletim Sistemine Dayalı Yaprak Tanıma Sisteminde Destek Vektör Makineleri ve K-En Yakın Komşuluk Algoritmalarının Performans Karşılaştırması**
ÇELEBİ O., ERGİN C., BADEM A., AKDENİZ F., BECERİKLİ Y.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, 11 - 13 October 2019
- XV. Ses Sinyalleri ile Cinsiyet Tespitinde Destek Vektör Makineleri, K- En Yakın Komşuluk, Yapay Sinir Ağları ve Tekrarlayan Sinir Ağları Algoritmalarının Performans Değerlendirmesi**
AKDENİZ F., BECERİKLİ Y.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, 11 - 13 October 2019
- XVI. Performance Comparison of Support Vector Machine and K-Nearest Neighbor Algorithms in Leaf Recognition System Based on Android Operating System**
Android İşletim Sistemine Dayalı Yaprak Tanıma Sisteminde Destek Vektör Makineleri ve K-En Yakın Komşuluk Algoritmalarının Performans Karşılaştırması
Çelebi O., Cem E., Badem A., Akdeniz F., Becerikli Y.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2019, Ankara, Turkey, 11 - 13 October 2019
- XVII. Real Time Driver Fatigue Detection Based on SVM Algorithm**
KIR SAVAŞ B., BECERİKLİ Y.
6th International Conference on Control Engineering Information Technology, İstanbul, Turkey, 25 - 27 October 2018, pp.851-854
- XVIII. Network Intrusion Detection on Apache Spark with Machine Learning Algorithms**
Kurt E. M., BECERİKLİ Y.
19th International Conference on Engineering Applications of Neural Networks (EANN 2018), Bristol, United Kingdom, 3 - 05 September 2018, vol.893, pp.130-141
- XIX. Performance Evaluation of Support Vector Machine and Convolutional Neural Network Algorithms in Real-Time Vehicle Type Classification**
Sentas A., Tashiev I., Kucukayvaz F., KUL S., EKEN S., SAYAR A., BECERİKLİ Y.
6th International Conference on Emerging Internet, Data and Web Technologies (EIDWT), Tirana, Albania, 15 - 17 March 2018, vol.17, pp.934-943
- XX. Video Görüntüleri Kullanılarak Sürücü Yorgunluğu Sezme Sistemi Geliştirilmesi**
KIR SAVAŞ B., BECERİKLİ Y.

Akıllı Sistemlerde Yenilikler ve Uygulamalar (ASYU) Konferansı, Antalya, Turkey, 5 - 07 October 2017

- XXI. **Konvolüsyonel Sinir Ağı Kullanarak Gerçek Zamanlı Araç Tipi Sınıflandırması**
ISABEK T., KUL S., ALİ Ş., KÜÇÜKAYVAZ F., EKEN S., SAYAR A., BECERİKLİ Y.
1.Ulusal Bulut Bilişim ve Büyük Veri Sempozyumu (b3s2017), Antalya, Turkey, 19 - 21 October 2017, pp.60-64
- XXII. **Use of Multiple Attractor Cellular Automata for Dimension Reduction**
Peldek S., Becerikli Y.
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.775-780
- XXIII. **The Implementation of Support Vector Machine (SVM) using FPGA for Human Detection**
Madadum H., BECERİKLİ Y.
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.1286-1290
- XXIV. **Eş zamanlı konumlandırma ve haritalama problemleri üzerine birderleme**
ASLAN F., BECERİKLİ Y.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.1517
- XXV. **ÇOKLU CEZBEDİCİ HÜCRESEL OTOMATLARIN GÖRÜNTÜLERDE ÖRÜNTÜ ÜRETİCİ OLARAK KULLANIMI**
PELDEK S., BECERİKLİ Y.
8.Savunma Teknolojileri Kongresi (SAVTEK2016), Ankara, Ankara, Turkey, 12 - 14 October 2016, pp.24
- XXVI. **The Realization of Face Detection and Fullness Detection in Medium by Using Haar Cascade Classifiers**
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- BECERİKLİ Y., KUL S., SAYAR A., KIR SAVAŞ B., MADADUM H., AKDENİZ F., Project Supported by Higher Education Institutions, Otonom Araçlarda Nesne ve Ses Tanıma/Takip etme, 2021 - 2022
- İLHAN OMURCA S., BECERİKLİ Y., DURU N., GÜN A., ŞAHİN S., Project Supported by Higher Education Institutions, 2019-Akıllı Sistemler Laboratuvarı, 2019 - 2020
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Metrics

- Publication: 85
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Non Academic Experience

- Ministry, Adalet Bakanlığı, Adli Tıp Kurumu/Adli Bilişim İhtisas Daire Başkanlığı
Adli Tıp Kurumu
- University of Bedfordshire/Department of Computer Science and Technology
- TÜBİTAK
- Sakarya Üniversitesi
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