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International Researcher IDs

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Education Information

Doctorate, Case Western Reserve University, Engineering, Electrical Engineering And Computer Science, United States Of America 1995 - 1999

Postgraduate, Case Western Reserve University, Engineering, Systems, Control And Industrial Engineering, United States Of America 1994 - 1995

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1986 - 1991

Biography

H. Metin Ertunc received the B.S. degree from electrical and electronics engineering department at Hacettepe University in 1991 in Ankara, Turkey. He obtained his MS degree from Systems and Control Engineering Department and PhD. Degree from electrical engineering and computer science department at Case Western Reserve University, Cleveland, OH, USA, in 1995 and 1999, respectively. Currently, Dr. Ertunc is a professor at Mechatronics Engineering Department at Kocaeli University. His research interests include automatic control and monitoring systems, fault detection based on signal processing techniques, artificial neural networks.

Dissertations

Doctorate, Techniques for Tool Wear Condition Monitoring in Drilling Operations, Case Western Reserve University, Electrical Engineering And Computer Science, 1999

Research Areas

Information Systems, Communication and Control Engineering, Control and System Engineering, Control Systems and Instrumentation, Robotics and Mechatronics Systems, Mechatronic Systems, Signal Processing, Signal Processing Theory

and Methods, Electrical and Electronics Engineering, Electronic, Electronic Circuits, Engineering and Technology

Academic Titles / Tasks

Professor, Kocaeli University, Mühendislik Fakültesi, Mekatronik Mühendisliği, 2014 - Continues
Associate Professor, Kocaeli University, Mühendislik Fakültesi, Mekatronik Mühendisliği, 2008 - 2011
Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Mekatronik Mühendisliği, 2001 - 2008
Assistant Professor, Kocaeli University, Teknik Eğitim Fakültesi, Elektronik ve Bilgisayar Eğitimi, 1999 - 2001

Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Kocaeli University, Mühendislik Fakültesi, Mekatronik Mühendisliği, 2019 - Continues
Fakülte Kurulu Üyesi, Kocaeli University, Mühendislik Fakültesi, Mekatronik Mühendisliği, 2016 - 2019
Kocaeli Üniversitesi, Mühendislik Fakültesi, 2015 - 2016
Enstitü Yönetim Kurulu Üyesi, Kocaeli University, Fen Bilimleri Enstitüsü, Mekatronik Mühendisliği Bölümü, 2014 - 2015
Kocaeli Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği Bölümü, 2013 - 2015
Fakülte Kurulu Üyesi, Kocaeli University, Mühendislik Fakültesi, Mekatronik Mühendisliği, 2010 - 2013

Courses

SİSTEM DİNAMİĞİ, Undergraduate, 2017 - 2018, 2016 - 2017
INTRODUCTION TO FUZZY LOGIC, Undergraduate, 2017 - 2018, 2016 - 2017
MEKATRONİK SİSTEMLERİN TASARIMI, Postgraduate, 2017 - 2018, 2016 - 2017
SENSOR TECHNIQUES, Undergraduate, 2016 - 2017
OTOMATİK KONTROL, Undergraduate, 2016 - 2017

Jury Memberships

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, March, 2024
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, March, 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **End-to-end tire defect detection model based on transfer learning techniques**
Saleh R. A. A., KONYAR M. Z., KAPLAN K., ERTUNÇ H. M.
Neural Computing and Applications, vol.36, no.20, pp.12483-12503, 2024 (SCI-Expanded)
- II. **Advancing Tire Safety: Explainable Artificial Intelligence-Powered Foreign Object Defect Detection with Xception Networks and Grad-CAM Interpretation**
Saleh R. A. A., Al-Areqi F., Konyar M. Z., Kaplan K., Öngir S., Ertunç H. M.
APPLIED SCIENCES, vol.14, no.10, pp.1-12, 2024 (SCI-Expanded)
- III. **Classification of CNC Vibration Speeds by Heralick Features**
Kuncan M., Kaplan K., Kaya Y., Minaz M. R., Ertunç H. M.
Journal of Universal Computer Science, vol.30, no.3, pp.363-382, 2024 (SCI-Expanded)
- IV. **Enhancing aerial robots performance through robust hybrid control and metaheuristic optimization of controller parameters**
Alqudsi Y. S. N., Saleh R. A. A., MAKARACI M., ERTUNÇ H. M.
Neural Computing and Applications, vol.36, no.1, pp.413-424, 2024 (SCI-Expanded)

- V. **Classification of the brain metastases based on a new 3D deep learning architecture**
Cuşkun Y., Kaplan K., Alparslan B., Ertunç H. M.
Soft Computing, vol.27, no.22, pp.17243-17256, 2023 (SCI-Expanded)
- VI. **Investigation of a heat storage system consisting of basalt stones, water and a phase change material**
Ucler K., Kibar A., Ertunç H. M., Yiğit K. S.
JOURNAL OF ENERGY STORAGE, vol.50, 2022 (SCI-Expanded)
- VII. **A new automatic bearing fault size diagnosis using time-frequency images of CWT and deep transfer learning methods**
Kaya Y., Kuncan F., ERTUNÇ H. M.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.30, no.5, pp.1851-1867, 2022 (SCI-Expanded)
- VIII. **A new feature extraction approach based on one dimensional gray level co-occurrence matrices for bearing fault classification**
Kaya Y., Kuncan M., Kaplan K., Minaz M. R., Ertunç H. M.
JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE, vol.33, no.1, pp.161-178, 2021 (SCI-Expanded)
- IX. **Classification of bearing vibration speeds under 1D-LBP based on eight local directional filters**
KAYA Y., KUNCAN M., KAPLAN K., MİNAZ M. R., ERTUNÇ H. M.
SOFT COMPUTING, vol.24, no.16, pp.12175-12186, 2020 (SCI-Expanded)
- X. **Brain tumor classification using modified local binary patterns (LBP) feature extraction methods**
KAPLAN K., KAYA Y., KUNCAN M., ERTUNÇ H. M.
MEDICAL HYPOTHESES, vol.139, 2020 (SCI-Expanded)
- XI. **A novel feature extraction method for bearing fault classification with one dimensional ternary patterns**
KUNCAN M., KAPLAN K., MİNAZ M. R., KAYA Y., ERTUNÇ H. M.
ISA TRANSACTIONS, vol.100, pp.346-357, 2020 (SCI-Expanded)
- XII. **An improved feature extraction method using texture analysis with LBP for bearing fault diagnosis**
KAPLAN K., KAYA Y., KUNCAN M., MİNAZ M. R., ERTUNÇ H. M.
APPLIED SOFT COMPUTING, vol.87, 2020 (SCI-Expanded)
- XIII. **Design, production and novel NC tool path generation of CNC tire mold processing machine**
Kuncan M., KAPLAN K., ERTUNÇ H. M., KÜÇÜKATEŞ S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.33, no.3, pp.1183-1199, 2018 (SCI-Expanded)
- XIV. **Olive separation machine based on image processing**
KUNCAN M., ERTUNÇ H. M.
MECHANIKA, no.5, pp.438-443, 2016 (SCI-Expanded)
- XV. **A development of electromagnetic retarder controller to stabilise vehicle speed by using PWM technique**
ERGÜN R. E., UÇAR M., ERTUNÇ H. M., CENGİZ A.
INTERNATIONAL JOURNAL OF HEAVY VEHICLE SYSTEMS, vol.21, no.2, pp.169-181, 2014 (SCI-Expanded)
- XVI. **Prediction of fetal state from the cardiocogram recordings using adaptive neuro-fuzzy inference systems**
OCAK H., ERTUNÇ H. M.
NEURAL COMPUTING & APPLICATIONS, vol.23, no.6, pp.1583-1589, 2013 (SCI-Expanded)
- XVII. **ANFIS modelling of the performance and emissions of a diesel engine using diesel fuel and biodiesel blends**
HOŞÖZ M., ERTUNÇ H. M., Karabektas M., Ergen G.
APPLIED THERMAL ENGINEERING, vol.60, pp.24-32, 2013 (SCI-Expanded)
- XVIII. **ANN- and ANFIS-based multi-staged decision algorithm for the detection and diagnosis of bearing faults**
ERTUNÇ H. M., OCAK H., ALIUSTAĞLU C.

NEURAL COMPUTING & APPLICATIONS, vol.22, 2013 (SCI-Expanded)

- XIX. MODELLING OF AN AUTOMOTIVE AIR CONDITIONING SYSTEM USING ANFIS**
HOŞÖZ M., ALKAN A., ERTUNÇ H. M.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.33, no.1, pp.127-137, 2013 (SCI-Expanded)
- XX. A support vector machine-based online tool condition monitoring for milling using sensor fusion and a genetic algorithm**
KAYA B., OYSU C., ERTUNÇ H. M., OCAK H.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, vol.226, pp.1808-1818, 2012 (SCI-Expanded)
- XXI. An adaptive neuro-fuzzy inference system model for predicting the performance of a refrigeration system with a cooling tower**
HOŞÖZ M., ERTUNÇ H. M., BULGURCU H.
EXPERT SYSTEMS WITH APPLICATIONS, vol.38, no.11, pp.14148-14155, 2011 (SCI-Expanded)
- XXII. Force-torque based on-line tool wear estimation system for CNC milling of Inconel 718 using neural networks**
KAYA B., OYSU C., ERTUNÇ H. M.
ADVANCES IN ENGINEERING SOFTWARE, vol.42, no.3, pp.76-84, 2011 (SCI-Expanded)
- XXIII. Performance prediction of a CI engine using artificial neural network for various SME and diesel fuel blends**
GÖKALP B., ERTUNÇ H. M., HOŞÖZ M., SARAÇ H. İ.
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.54, no.2, pp.156-176, 2010 (SCI-Expanded)
- XXIV. Decomposition of forced turbulent jet flows**
ERDİL A., ERTUNÇ H. M., YILMAZ T.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.223, no.4, pp.919-933, 2009 (SCI-Expanded)
- XXV. Tool wear condition monitoring using a sensor fusion model based on fuzzy inference system**
ALIUSTA OGLU C., ERTUNÇ H. M., OCAK H.
MECHANICAL SYSTEMS AND SIGNAL PROCESSING, vol.23, no.2, pp.539-546, 2009 (SCI-Expanded)
- XXVI. Comparative analysis of an evaporative condenser using artificial neural network and adaptive neuro-fuzzy inference system**
ERTUNÇ H. M., HOŞÖZ M.
INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, vol.31, no.8, pp.1426-1436, 2008 (SCI-Expanded)
- XXVII. Modelling of a direct evaporative air cooler using artificial neural network**
HOŞÖZ M., ERTUNÇ H. M., OZGUC A. F.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.32, no.1, pp.83-89, 2008 (SCI-Expanded)
- XXVIII. Performance prediction of a cooling tower using artificial neural network**
HOSOZ M., ERTUNC H. M., BULGURCU H.
ENERGY CONVERSION AND MANAGEMENT, vol.48, no.4, pp.1349-1359, 2007 (SCI-Expanded)
- XXIX. An artificial neural network model for toughness properties in microalloyed steel in consideration of industrial production conditions**
COL M., ERTUNC H. M., YILMAZ M.
MATERIALS & DESIGN, vol.28, no.2, pp.488-495, 2007 (SCI-Expanded)
- XXX. Performance and exhaust emissions of a gasoline engine using artificial neural network**
SAYIN C., ERTUNC H. M., HOSOZ M., KILIÇASLAN I., CANAKCI M.
APPLIED THERMAL ENGINEERING, vol.27, no.1, pp.46-54, 2007 (SCI-Expanded)
- XXXI. The prediction of mechanical behavior for steel wires and cord materials using neural networks**
YILMAZ M., ERTUNC H. M.
MATERIALS & DESIGN, vol.28, no.2, pp.599-608, 2007 (SCI-Expanded)
- XXXII. Prediction of the pool boiling critical heat flux using artificial neural network**

- Ertunc H. M.
IEEE TRANSACTIONS ON COMPONENTS AND PACKAGING TECHNOLOGIES, vol.29, no.4, pp.770-777, 2006 (SCI-Expanded)
- XXXIII. **Modelling of a cascade refrigeration system using artificial neural network**
Hosoz M., Ertunc H. M.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.30, no.14, pp.1200-1215, 2006 (SCI-Expanded)
- XXXIV. **Prediction of the air temperature and humidity at the outlet of a cooling coil using neural networks**
Yigit K. S., Ertunc H. M.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.33, no.7, pp.898-907, 2006 (SCI-Expanded)
- XXXV. **Artificial neural network analysis of an automobile air conditioning system**
Hosoz M., Ertunc H. M.
ENERGY CONVERSION AND MANAGEMENT, vol.47, pp.1574-1587, 2006 (SCI-Expanded)
- XXXVI. **Artificial neural network analysis of a refrigeration system with an evaporative condenser**
Ertunc H. M., Hosoz M.
APPLIED THERMAL ENGINEERING, vol.26, pp.627-635, 2006 (SCI-Expanded)
- XXXVII. **Using adaline neural network for performance improvement of smart antennas in TDD wireless communications**
Kavak A., Yigit H., Ertunc H. M.
IEEE TRANSACTIONS ON NEURAL NETWORKS, vol.16, no.6, pp.1616-1625, 2005 (SCI-Expanded)
- XXXVIII. **Drill wear monitoring using cutting force signals**
Ertunc H. M., Oysu C.
MECHATRONICS, vol.14, no.5, pp.533-548, 2004 (SCI-Expanded)
- XXXIX. **Autoregressive and neural network model based predictions for downlink beamforming**
YİĞİT H., Kavak A., Ertunc M.
ADVANCES IN NEURAL NETWORKS - ISSN 2004, PT 2, vol.3174, pp.254-261, 2004 (SCI-Expanded)
- XL. **A decision fusion algorithm for tool wear condition monitoring in drilling**
Ertunc H. M., Loparo K.
International Journal of Machine Tools and Manufacture, vol.41, no.9, pp.1347-1362, 2001 (SCI-Expanded)
- XLI. **Tool Wear Condition Monitoring in Drilling Operations using Hidden Markov Models**
ERTUNÇ H. M., LOPARO K., OCAK H.
International Journal Of Machine Tools, vol.41, pp.1347-1362, 2001 (SCI-Expanded)

Articles Published in Other Journals

- I. **Explainable attention-based fused convolutional neural network (XAFCNN) for tire defect detection: an industrial case study**
Saleh R. A. A., ERTUNÇ H. M.
ENGINEERING RESEARCH EXPRESS, vol.6, no.1, 2024 (ESCI)
- II. **Natural Navigation System Design for Indoor Mobile Robots**
ADEBAYO A. F., ERTUNÇ H. M.
Kocaeli Journal of Science and Engineering, vol.5, no.1, pp.73-83, 2022 (Peer-Reviewed Journal)
- III. **Development of a Neural Network Model for Recognizing Red Palm Weevil Insects Based on Image Processing**
Saleh R. A. A., ERTUNÇ H. M.
Kocaeli Journal of Science and Engineering, vol.5, no.1, pp.1-4, 2022 (Peer-Reviewed Journal)
- IV. **Top ve Plaka Sisteminin PID ve Bulanık Mantık Algoritmaları ile Gerçek Zamanda Konum ve Yörünge Kontrolü**
Baylan A. T., Açıkmeşe M. E., Bayagut S., Dalgıç U., ERTUNÇ H. M.
Fırat Üniversitesi Uzay ve Savunma Teknolojileri Dergisi, vol.1, no.1, pp.61-67, 2022 (Peer-Reviewed Journal)

- V. **Turkish handwriting recognition system using multi-layer perceptron**
KUNCAN M., Vardar E., KAPLAN K., ERTUNÇ H. M.
Journal of Mechatronics and Artificial Intelligence in Engineering, vol.1, no.2, pp.41-52, 2020 (Peer-Reviewed Journal)
- VI. **PID ve Bulanık Mantık Tabanlı DC Motorun Gerçek Zamanlı Konum Kontrolü**
KAPLAN K., KUNCAN M., Polat H., Tepe B., ERTUNÇ H. M.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.2, pp.900-916, 2020 (Peer-Reviewed Journal)
- VII. **MEMS Fabrication using PμSL Technique Based 3D Printer**
ERTUĞRUL İ., AKKUŞ N., AYGÜL E., YALÇINKAYA S., ERTUNÇ H. M.
International Journal of 3D Printing Technologies and Digital Industry, vol.4, no.1, pp.38-43, 2020 (Peer-Reviewed Journal)
- VIII. **A Combined Decision Algorithm for Diagnosing Bearing Faults Using Artificial Intelligent Techniques**
ERTUNÇ H. M.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, vol.36, pp.1233-1251, 2018 (Peer-Reviewed Journal)
- IX. **Ball and Beam Control based on NARMA L-2 Controller**
Vardar E., KAPLAN K., ERTUNÇ H. M.
Kocaeli Üniversitesi Fen Bilimleri Dergisi, vol.1, no.2, pp.77-83, 2018 (Peer-Reviewed Journal)
- X. **Design of an Automatic Coil Lath Bonding Machine For Distribution Transformers**
BİÇİL H., POLAT T., KUNDAKÇI İ. M., AYAZ M., ERTUNÇ H. M.
The Eurasia Proceedings of Science, Technology, Engineering Mathematics, vol.1, pp.116-122, 2017 (Peer-Reviewed Journal)
- XI. **Handwriting Character Recognition by using Fuzzy Logic**
ENES V., KAPLAN K., ERTUNÇ H. M.
Turkish Journal of Science Technology TJST, vol.12, no.2, pp.71-77, 2017 (Peer-Reviewed Journal)
- XII. **5 AXIS CNC PRECISION TIRE SIDE MACHINING**
KUNCAN M., KAPLAN K., ERTUNÇ H. M., Küçükateş S.
European Journal of Technique, vol.6, no.2, pp.117-123, 2016 (Peer-Reviewed Journal)
- XIII. **Process Control Methods Application in Training Set**
KAPLAN K., KUNDAKCI İ. M., KUNCAN M., Toprak E., İzgü A., ERTUNÇ H. M.
International Journal of Natural and Engineering Sciences, vol.10, no.1, pp.42-46, 2016 (Peer-Reviewed Journal)
- XIV. **Fuzzy Logic Based Ball on Plate Balancing System Real Time Control by Image Processing**
KUNCAN M., KAPLAN K., Acar F., KUNDAKCI İ. M., ERTUNÇ H. M.
International Journal of Natural and Engineering Sciences, vol.10, no.1, pp.14-18, 2016 (Peer-Reviewed Journal)
- XV. **5 Eksen CNC Hassas Lastik Yanak İşleme**
KUNCAN M., KAPLAN K., ERTUNÇ H. M., KÜÇÜKATEŞ S.
European Journal of Technic, vol.6, pp.117-123, 2016 (Peer-Reviewed Journal)
- XVI. **Yapay Sinir Ağları Kullanılarak Karbonat Kayalarındaki Dokunun Tanımlanmasına Bir Örnek Akveren Formasyonu**
Çakır Ş., Ertunç H. M., Ocak H.
Uygulamalı Yer Bilimleri Dergisi, vol.8, no.2, pp.71-79, 2009 (Peer-Reviewed Journal)
- XVII. **Tool Wear Monitoring System Using Artificial Neural Network**
sönmez m., KANDİLLİ İ., ERTUNÇ H. M.
Journal of Naval Science and Engineering, vol.1, no.2, pp.9-18, 2003 (Peer-Reviewed Journal)
- XVIII. **Kesici Takımların Gözlemlenmesi Üzerine Yapılan Çalışmalar**
ERTUNÇ H. M., SEVİM İ.
Pamukkale Üniversitesi Mühendislik Fakültesi Mühendislik Bilimleri Dergisi, vol.7, pp.55-63, 2001 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **10th International Conference on Image Processing Wavelet and Applications (IWW2019), 18-20 October 2019**
Dökmen F. (Editor), Duru N. (Editor), Ocak H. (Editor), Ertunç H. M. (Editor), Yazıcı C. (Editor)
Kocaeli Üniversitesi Vakfı Yayını, Kocaeli, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **A Development of Imaging System for Thermal Isolation in the Electric Vehicle Battery Systems**
Güvenç İ. H., ERTUNÇ H. M.
12th International Symposium on Intelligent Manufacturing and Service Systems, IMSS 2023, İstanbul, Turkey, 26 - 28 May 2023, pp.312-319
- II. **A Development of Electrified Monorail System (EMS) for an Automobile Production Line**
Güvenç İ. H., ERTUNÇ H. M.
12th International Symposium on Intelligent Manufacturing and Service Systems, IMSS 2023, İstanbul, Turkey, 26 - 28 May 2023, pp.479-486
- III. **Bir Otomobil Hattı İçin Elektromekanik Liftli Konveyör (Lift&Roller) Sisteminin Geliştirilmesi**
Güngör R., Güvenç İ. H., Kesmen B., Ertunç H. M.
International Symposium On Automotive Science and Technology , Ankara, Turkey, 7 - 08 October 2023, pp.410-418
- IV. **Artificial Intelligence Framework for Skin Lesion Prediction Using Medical Dermoscopic Images**
Abualkebash H., Saleh R. A. A., Ertunç H. M., Addo D., Talo M., Al-Antari M. A.
7th International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2023, Ankara, Turkey, 26 - 28 October 2023
- V. **Hybrid Gripper and Fixtureless Production: Design and Manufacturing Review Hibrit Gripper ve Fikst rs z retim: Tasarım ve İmalat İncelemesi**
Güvenç İ. H., Arslan A. B., Kesmen B., ERTUNÇ H. M.
2023 Innovations in Intelligent Systems and Applications Conference, ASYU 2023, Sivas, Turkey, 11 - 13 October 2023
- VI. **Kaynak Prosesleri için Robotik 3D Kaynak Dikiş Eksenini ve Formunu Tespit Eden Bir Sistem Geliştirilmesi**
Bayraktar E. K., Sezer T., ERTUNÇ H. M.
9. Uluslararası Marmara Fen Bilimleri Kongresi, IMASCON 2022 GÜZ, Kocaeli, Turkey, 09 December 2022, pp.151-154
- VII. **PD Kontrol ile İki Tekerlek Üzerinde Dengede Duran Robot Tasarımı**
Özak U. C., ERTUNÇ H. M.
9. Uluslararası Marmara Fen Bilimleri Kongresi, IMASCON 2022 GÜZ, Kocaeli, Turkey, 09 December 2022, pp.338-344
- VIII. **Elektrikli Araçlarda Batarya Hücrelerinde Kullanılan Termal Mastik Hatlarının Şekilsel Boyutlarının İncelenmesi**
Demirörs N., ERTUNÇ H. M.
9. Uluslararası Marmara Fen Bilimleri Kongresi, IMASCON 2022 GÜZ, Kocaeli, Turkey, 09 December 2022, pp.143-150
- IX. **Sürü Robotiği ve Sürü Algoritmaları Üzerine Bir İnceleme**
KÖSE F., ERTUNÇ H. M.
9. Uluslararası Marmara Fen Bilimleri Kongresi, IMASCON 2022 GÜZ, Kocaeli, Turkey, 09 December 2022, pp.314-319
- X. **Tire Defect Detection Model Using Machine Learning**
Saleh R. A. A., KONYAR M. Z., KAPLAN K., ERTUNÇ H. M.

2022 2nd International Conference on Emerging Smart Technologies and Applications (eSmarTA), Ibb, Yemen, 25 October 2022

- XI. **Development An Image Processing Algorithm To Detect Perforated and Non-Perforated Objects**
KÖSE F., ERTUNÇ H. M.
10th International Symposium on Innovative Technologies in Engineering and Science, Bursa, Turkey, 21 October 2022, vol.5, pp.16-25
- XII. **Dört Bacaklı Robotun Gerçek Zamanlı PID Kontrolü**
Güvenç İ. H., ERTUNÇ H. M.
10th International Symposium on Innovative Technologies in Engineering and Science, Bursa, Turkey, 21 October 2022
- XIII. **Detection of Air Bubbles from Tire Shearography Images**
Saleh N. A., Konyar M. Z., Kaplan K., Ongir S., Ertunç H. M.
4th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, HORA 2022, Ankara, Turkey, 9 - 11 June 2022
- XIV. **Endüstri 4.0 Uyumlu Bir Otomatik Depolama ve Boşaltma Sisteminde Bir Raf Yükleme Algoritmasının Geliştirilmesi**
Demirörs N., Terzi R., Bostancı T. B., ERTUNÇ H. M.
VII. INSAC International Congress on Natural and Engineering Sciences, Konya, Turkey, 21 October 2021, pp.19-30
- XV. **An Anomaly Detection Study for Rolling Bearings**
KUNDAKCI İ. M., KAPLAN K., Mollaköy A., Örs Ö., Müstak O., ERTUNÇ H. M.
9th International Advanced Technologies Symposium, IATS'21, Elazığ, Turkey, 27 October 2021, pp.295-301
- XVI. **Mri Brain Tumor Classification Using Deep Learning Network Alexnet And VGG**
Nedhal Abdo Qaid N., KAPLAN K., ERTUNÇ H. M.
9th International Advanced Technologies Symposium, IATS'21, Elazığ, Turkey, 27 October 2021, pp.302-308
- XVII. **Type of Geometry Parameters in Tire Uniformity**
ÖNGİR S., ERTUNÇ H. M.
10th International Automotive Technologies Congress, OTEKON 2020, Bursa, Turkey, 06 September 2021, pp.1418-1422
- XVIII. **ESA ve Kon-DVM Modelleri Kullanarak Beyaz Kan Hücrelerinin Sınıflandırılması**
Ekiz A., KAPLAN K., ERTUNÇ H. M.
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- XIX. **RULMAN TİTREŞİM VERİLERİNDEN ANOMALİ TESPİTİ**
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Non Academic Experience

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