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Education Information

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

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

Under Graduate, Hacettepe Üniversitesi, Elektrik ve Enerji, 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 Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği Bölümü, 2014 - Continues

Associate Professor, Kocaeli Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği Bölümü, 2008 - 2011
Assistant Professor, Kocaeli Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği Bölümü, 2001 - 2008
Assistant Professor, Kocaeli Üniversitesi, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, 1999 - 2001

Academic and Administrative Experience

Kocaeli Üniversitesi, Mühendislik Fakültesi, 2015 - 2016

Kocaeli Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği Bölümü, 2013 - 2015

Courses

SİSTEM DİNAMIĞI, Under Graduate, 2016 - 2017, 2017 - 2018

INTRODUCTION TO FUZZY LOGIC, Under Graduate, 2016 - 2017, 2017 - 2018

MEKATRONİK SİSTEMLERİN TASARIMI, Post Graduate, 2016 - 2017, 2017 - 2018

SENSOR TECHNIQUES, Under Graduate, 2016 - 2017

OTOMATİK KONTROL, Under Graduate, 2016 - 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **A new feature extraction approach based on one dimensional gray level co-occurrence matrices for bearing fault classification**
KAYA Y., KUNCAN M., KAPLAN K., MİNAZ M. R. , ERTUNÇ H. M.
JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE, 2020 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **Olive separation machine based on image processing**
KUNCAN M., ERTUNÇ H. M.
MECHANIKA, no.5, pp.438-443, 2016 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **Prediction of fetal state from the cardiogram recordings using adaptive neuro-fuzzy inference**

systems

OCAK H., ERTUNÇ H. M.

NEURAL COMPUTING & APPLICATIONS, vol.23, no.6, pp.1583-1589, 2013 (Journal Indexed in SCI)

- X. **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 (Journal Indexed in SCI)
- XI. **ANN- and ANFIS-based multi-staged decision algorithm for the detection and diagnosis of bearing faults**
ERTUNÇ H. M. , OCAK H., ALIUSTAAGLU C.
NEURAL COMPUTING & APPLICATIONS, vol.22, 2013 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **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 (Journal Indexed in SCI)
- XVII. **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 (Journal Indexed in SCI)
- XVIII. **Tool wear condition monitoring using a sensor fusion model based on fuzzy inference system**
ALIUSTAAGLU C., ERTUNÇ H. M. , OCAK H.
MECHANICAL SYSTEMS AND SIGNAL PROCESSING, vol.23, pp.539-546, 2009 (Journal Indexed in SCI)
- XIX. **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 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **Performance prediction of a cooling tower using artificial neural network**
Hosoz M., Ertunc H. M. , BULGURCU H.
ENERGY CONVERSION AND MANAGEMENT, vol.48, pp.1349-1359, 2007 (Journal Indexed in SCI)
- XXII. **The prediction of mechanical behavior for steel wires and cord materials using neural networks**

- Yilmaz M., Ertunc H. M.
MATERIALS & DESIGN, vol.28, pp.599-608, 2007 (Journal Indexed in SCI)
- XXIII. **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, pp.488-495, 2007 (Journal Indexed in SCI)
- XXIV. **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 (Journal Indexed in SCI)
- XXV. **Prediction of the pool boiling critical heat flux using artificial neural network**
Ertunc H. M.
IEEE TRANSACTIONS ON COMPONENTS AND PACKAGING TECHNOLOGIES, vol.29, pp.770-777, 2006 (Journal Indexed in SCI)
- XXVI. **Modelling of a cascade refrigeration system using artificial neural network**
Hosoz M., Ertunc H. M.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.30, pp.1200-1215, 2006 (Journal Indexed in SCI)
- XXVII. **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 (Journal Indexed in SCI)
- XXVIII. **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 (Journal Indexed in SCI)
- XXIX. **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 (Journal Indexed in SCI)
- XXX. **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 (Journal Indexed in SCI)
- XXXI. **Drill wear monitoring using cutting force signals**
Ertunc H. M. , Oysu C.
MECHATRONICS, vol.14, pp.533-548, 2004 (Journal Indexed in SCI)
- XXXII. **Autoregressive and neural network model based predictions for downlink beamforming**
YİÇİT H., Kavak A., Ertunc M.
ADVANCES IN NEURAL NETWORKS - ISSN 2004, PT 2, vol.3174, pp.254-261, 2004 (Journal Indexed in SCI)
- XXXIII. **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, pp.1347-1362, 2001 (Journal Indexed in SCI)
- XXXIV. **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 (Journal Indexed in SSCI)

Articles Published in Other Journals

- I. **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 BILIMLERI DERGISI,
vol.36, pp.1233-1251, 2018 (Refereed Journals of Other Institutions)
- II. **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 (Other Refereed National Journals)

- III. **Design of an Automatic Coil Lath Bonding Machine For Distribution Transformers**
BİÇİL H., POLAT T., KUNDAKCI İ. M. , AYAZ M., ERTUNÇ H. M.
The Eurasia Proceedings of Science, Technology, Engineering Mathematics, vol.1, pp.116-122, 2017 (Refereed Journals of Other Institutions)
- IV. **Handwriting Character Recognition by using Fuzzy Logic**
ENES V., KAPLAN K., ERTUNÇ H. M.
Turkish Journal of Science Technology TJST, vol.12, pp.71-77, 2017 (Other Refereed National Journals)
- V. **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 (Refereed Journals of Other Institutions)
- VI. **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 (Refereed Journals of Other Institutions)
- VII. **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 (Refereed Journals of Other Institutions)
- VIII. **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, pp.71-79, 2009 (National Refereed University Journal)
- IX. **Tool Wear Monitoring System Using Artificial Neural Network**
sönmez m., KANDİLLİ İ., ERTUNÇ H. M.
Journal of Naval Science and Engineering, vol.1, pp.9-18, 2003 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Can We Predict Brain Metastases Primary Site by Using Deep Learning Algorithms, Even in Small Datasets?**
ALPARSLAN B., çuşkun y., KAPLAN K., ÇALIŞKAN F., tavas o., DERVİŞOĞLU E., ERTUNÇ H. M. , SİVRİOĞLU A. K.
ECR 2020, 11 - 15 March 2020
- II. **Form Ölçüm Cihazı Problemlerinin Primer Ölçümlerde Kullanılması için Elektronik Ünitelerin İncelenmesi ve Kalibrasyonları**
Demirbağ H., Kayadelen C., Yandayan T., Ganioglu O., Aksulu M., ERTUNÇ H. M. , AKKUŞ N.
Ölçümbilim Sempozyumu ve Sergisi, Turkey, 20 - 22 November 2019, pp.451-459
- III. **WAVELET DECOMPOSITION BASED FEATURE EXTRACTION OF BRAIN MR IMAGES**
KAPLAN K., Yasin C., ERTUNÇ H. M.
The 10th International Conference on Image Processing, Wavelet and Applications (IWW2019), Kocaeli, Turkey, 19 - 20 October 2019
- IV. **Araç Sürüş Simülatörü için 3 Serbestlik Dereceli Paralel Hareket Platformu**
Yasin Ç., Zafer Ç., Okan Y., KAPLAN K., ERTUNÇ H. M.
TOK'2019 Otomatik Kontrol Ulusal Toplantısı, Muğla, Turkey, 11 September 2019 - 14 September 2014, pp.331-337
- V. **Kinematic Analysis and Design of 3-PUU Parallel Manipulator**
GÜNER H. E. , ÖZAKYOL H., ERTUNÇ H. M.
10th International Symposium on Intelligent Manufacturing and Service Systems, Sakarya, Turkey, 9 - 11 September 2019, pp.1412-1419

- VI. **PID ve Bulanık Mantık ile DC Motorun Gerçek Zamanda STM32F407 Tabanlı Pozisyon Kontrolü**
POLAT H., DEMİRCİ A., ERTUNÇ H. M.
TOK'2019 Otomatik Kontrol Ulusal Toplantısı, Turkey, 11 September 2019, pp.547-555
- VII. **PID ve Bulanık Mantık ile DC Motorun Gerçek Zamanda STM32F4 Tabanlı Konum Kontrolü**
Karadeniz S., GÜNER H. E. , ERTUNÇ H. M.
Türkiye Otomatik Kontrol Konferansı, Turkey, 11 - 14 September 2019
- VIII. **PID and Fuzzy Logic Based DC Motor Real-Time Position Control with STM32F407**
KAPLAN K., Polat H., Demirci A., KUNCAN M., ERTUNÇ H. M.
International Engineering and Science Symposium-IESS 2019, Siirt, Turkey, 20 - 22 June 2019
- IX. **Comparison of ANN and Random Forest Algorithms for Classification of Rolling Bearing Faults**
KUNDAKCI İ. M. , KAPLAN K., ERTUNÇ H. M.
International Engineering and Science Symposium-IESS 2019, Siirt, Turkey, 20 - 22 June 2019
- X. **MEMS FABRICATION USING PμSL TECHNIQUE BASED 3D PRINTER**
ERTUĞRUL İ., AKKUŞ N., YÜCE H., ERTUNÇ H. M.
4th INTERNATIONAL CONGRESS ON 3D PRINTING (ADDITIVE MANUFACTURING) TECHNOLOGIES AND DIGITAL INDUSTRY, 11 - 14 April 2019
- XI. **5 UZUVLU PARALEL ROBOT MEKANİZMASININ KALİBRASYONU**
GÜNER H. E. , KUNDAKCI İ. M. , GÜNEŞ U., ERTUNÇ H. M.
IV. INES International Academic Research Congress, 30 October - 03 November 2018
- XII. **Real Time Position and Trajectory Control of Ball and Plate System Using Different Control Techniques**
KÖSE F., KAPLAN K., ERTUNÇ H. M.
6th International Conference on Control Engineering and Information Technologies, CEIT2018, 25 - 27 October 2018, pp.1400-1406
- XIII. **Gaussian Process Regression Modelling of The Performance Of An R1234yf Automobile Air Conditioning System**
KAPLAN K., ARAL M. C. , SUHERMANTO M., ERTUNÇ H. M. , HOŞÖZ M.
International Conference on Data Science and Applications, ICONDATA 2018, 4 - 07 October 2018
- XIV. **Diagnosis of Parkinson's Disease using ANN and SVM Models**
ÇUŞKUN Y., KAPLAN K., ERTUNÇ H. M.
International Conference on Data Science and Applications, ICONDATA-2018, 4 - 07 October 2018
- XV. **Diagnosis of Brain Tumours from Mr Images by Using Convolutional Neural Networks**
VARDAR E., KAPLAN K., ERTUNÇ H. M.
International Conference on Data Science and Applications, ICONDATA 2018, 4 - 07 October 2018
- XVI. **Top ve Plaka Sisteminin PID ile Gerçek Zamanda Arduino-Tabanlı Konum ve Yörünge Kontrolü**
KÖSE F., ERTUNÇ H. M.
TOK 2018 Otomatik Kontrol Ulusal Toplantısı, Kayseri, Turkey, 12 - 14 September 2018, pp.100-105
- XVII. **TUBITAK UME Küçük Açık Deflektometresinin Hassas Pozisyon Kontrolü**
ECEVİT S., SERBEST Ö., YANDAYAN T., ERTUNÇ H. M.
TOK 2018 Otomatik Kontrol Ulusal Toplantısı, Kayseri, Turkey, 12 - 14 September 2018, pp.117-122
- XVIII. **Elektronik Diferansiyel Sisteminin PD Kontrolör ile Gerçek Zamanda Konum ve Hız Kontrolü**
SARAL H., UĞUZ O., KUNDAKCI İ. M. , ERTUNÇ H. M.
TOK2018 Otomatik Kontrol Ulusal Toplantısı, Kayseri, Turkey, 12 - 14 September 2018, pp.408-414
- XIX. **Fuzzy Logic Controller and PID Controller Design for Aircraft Pitch Control**
SAYAR E., ERTUNÇ H. M.
Proceedings of the 7th European Conference on Mechanism Science, EuCoMeS 2018, Aachen, Germany, 4 - 06 September 2018, pp.53-60
- XX. **Diagnosis of prostate cancer using gene expression data Gen İfadesi Verisi Kullanarak Prostat Kanseri Teshisi**
KAPLAN K., ERTUNÇ H. M.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May

2018, pp.1-4

- XXI. **An Accelerated Durability of a Commercial Vehicle Based on Customer Usage Profiling Method**
TALAY M., ERTUNÇ H. M.
OTEKON 2018, Bursa, Turkey, 7 - 08 May 2018, pp.631-641
- XXII. **İçten Yanmalı Pistonlu Motorlarda Piston Kolu Ağırlık Oranının Dengelemeye Etkisi**
KÜÇÜKATEŞ S., ERTUNÇ H. M.
3.Uluslararası Mühendislik Mimarlık ve Tasarım Kongresi, 4 - 05 May 2018, pp.134-136
- XXIII. **Experimental Investigation of Cutting Speed on the Surface Roughness for CNC Machine,**
KUNCAN M., KAPLAN K., ERTUNÇ H. M. , KÜÇÜKATEŞ S.
1st International Engineering and Technology Symposium, IETS'18, 3 - 05 May 2018
- XXIV. **Support vector regression modeling of the performance of an R1234yf automotive air conditioning system**
HOŞÖZ M., KAPLAN K., Aral M. C. , SUHERMANTO M., ERTUNÇ H. M.
5th International Conference on Energy and Environment Research (ICEER), Prague, Czech Republic, 23 - 27 July 2018, vol.153, pp.309-314
- XXV. **Diagnosis of Prostate Cancer Using Gene Expression Data**
KAPLAN K., ERTUNÇ H. M.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- XXVI. **Classification of Bearing Fault Size by Using Support Vector Machines**
KAPLAN K., KUNCAN M., ERTUNÇ H. M.
International Conference on Advances and Innovations in Engineering (ICAIE2017), 10 - 12 May 2017
- XXVII. **Automation System Design For Fault Detection In Street Lighting**
AYAZ M., ERHAN K., KUNDAKÇI İ. M. , ERTUNÇ H. M.
International Conference on Technology, Engineering and Science (IConTES), Antalya, Turkey, 26 - 29 October 2017, vol.1, pp.111-115
- XXVIII. **Design of an Automatic Coil Lath Bonding Machine for Distribution Transformer**
BİÇİL H., POLAT T., KUNDAKÇI İ. M. , AYAZ M., ERTUNÇ H. M.
International Conference on Technology, Engineering and Science (IConTES), Antalya, Turkey, 26 - 29 October 2017, vol.1, pp.116-122
- XXIX. **Sistem Yaklaşımı ve Kontrol Mühendisliği Açısından Yaratılış Gerçeği**
ERTUNÇ H. M.
I.Uluslararası Bilimler Işığında Yaratılış Kongresi, Urfa, Turkey, 30 November - 02 December 2017
- XXX. **DESIGN OF AN AUTOMATIC COIL LATH BONDING MACHINE FOR DISTRIBUTION TRANSFORMERS**
BİÇİL H., POLAT T., KUNDAKCI İ. M. , AYAZ M., ERTUNÇ H. M.
ICONTES 2017, Antalya, Turkey, 26 - 29 October 2017, vol.1, pp.116-122
- XXXI. **ANFIS Modelling of an Automotive Air Conditioning System Using R1234yf**
HOŞÖZ M., KAPLAN K., ARAL M. C. , SUHERMANTO M., ERTUNÇ H. M.
8th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 - 22 October 2017, pp.539-546
- XXXII. **Diagnosis of Bearing Faults with Signal Processing and Artificial Neural Networks**
CEYLAN N., KAÇAR S., KAPLAN K., ERTUNÇ H. M.
4th Conference on Computer and Experimental Science and Engineering, 4 - 08 October 2017
- XXXIII. **Designing of a Shooting System Using Ultrasonic Radar Sensor**
KÖSE F., KAPLAN K., ERTUNÇ H. M.
5th International Symposium on Innovative Technologies in Engineering and Science, Baku, Azerbaijan, 29 - 30 September 2017, pp.1613-1622
- XXXIV. **Artificial Neural Network Modelling of a Mobile Air Conditioning System Using Refrigerant R1234yf**
HOŞÖZ M., KAPLAN K., SUHERMANTO M., ARAL M. C. , ERTUNÇ H. M.
5th International Symposium on Innovative Technologies in Engineering and Science (ISITES'17), Baku, Azerbaijan, 29 - 30 September 2017, pp.615-624
- XXXV. **DESIGNING A 2 D PAINTING ROBOT**
DEDE H., GÜNER H. E. , ERGÜNER K., KARATAŞ B., AKBAŞ Ö., ERTUNÇ H. M.

International Conference on Advanced Technology Sciences, İstanbul, Turkey, 9 - 12 May 2017

- XXXVI. **2 DOF Vehicle Simulator, International Conference on Advances and Innovations in Engineering**
GÜNER H. E. , DEMİRCİ B., DOĞAN İ., YALÇIN S., YILDIRIM E., ERTUNÇ H. M.
International Conference on Advances and Innovations in Engineering, Elazığ, Turkey, 10 - 12 May 2017, pp.176-179
- XXXVII. **Handwriting character recognition by using fuzzy logic**
Vardar E., KAPLAN K., ERTUNÇ H. M.
International Conference on Advances and Innovations in Engineering, ICAIE-2017, Elazığ, Turkey, 10 - 12 May 2017, pp.330-334
- XXXVIII. **5 AXIS CNC PRECISION TIRE SIDE MACHINING**
KUNCAN M., KAPLAN K., ERTUNÇ H. M. , KÜÇÜKATEŞ S.
International Engineering, Science and Education Conference, Diyarbakır, Turkey, 1 - 03 December 2016
- XXXIX. **Görüntü İşleme Tabanlı 4 Eksenli Çok Amaçlı Robot Mekanizması**
ÇUŞKUN Y., DUMAN F., BASIK H., GÜN F., KAPLAN K., ERTUNÇ H. M.
Elektrik, Elektronik ve Biyomedikal Mühendisliği Konferansı, ELECO 2016, Bursa, Turkey, 1 - 03 December 2016, pp.247-251
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