

Prof. HASAN ERDAL

Personal Information

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Education Information

Undergraduate, Marmara University, Faculty Of Technology, Electrical And Electronics Engineering, Turkey 2015 - 2016

Doctorate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Electrical Education, Turkey 1991 - 1998

Postgraduate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Electrical Education, Turkey 1987 - 1990

Undergraduate, Marmara University, Faculty Of Technical Education, Electric Education, Turkey 1982 - 1986

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Control of a HVAC system by fuzzy logic method, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Elektrik Eđitimi (Dr), 1998

Postgraduate, Solving of transient state equations of asynchronous motor using by computer , Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Elektrik Eđitimi (YI) (Tezli), 1990

Research Areas

Control and System Engineering, Industrial automation, Actuating and Final Control Devices, Control Systems and Instrumentation, Electrical and Electronics Engineering, Electrical Machine Theory and Design

Academic Titles / Tasks

Professor, Marmara University, Faculty Of Technology, Electrical And Electronics Engineering, 2016 - Continues

Associate Professor, Marmara University, Faculty Of Technology, Electrical And Electronics Engineering, 2010 - 2016

Assistant Professor, Marmara University, Faculty Of Technical Education, Electronic And Computer Education, 1999 - 2010

Lecturer PhD, Marmara University, Faculty Of Technical Education, Electronic And Computer Education, 1998 - 1999

Lecturer, Marmara University, Faculty Of Technical Education, Electronic And Computer Education, 1994 - 1998

Research Assistant, Marmara University, Faculty Of Technical Education, Electronic And Computer Education, 1991 - 1994

Research Assistant, Marmara University, Faculty Of Technical Education, Electric Education, 1987 - 1991

Academic and Administrative Experience

Marmara University, Faculty of Technology, 2017 - Continues

Head of Department, Marmara University, Faculty Of Technology, Electrical And Electronics Engineering, 2018 - 2021

Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Bilgisayar Mühendisliği (YI) (Tezli), 2016 - 2018

Marmara University, Faculty of Technology, Computer Engineering, 2016 - 2018

Marmara University, Faculty of Technology, 2016 - 2017

Advising Theses

Doğan B., Erdal H., Developing An Optical and Patern Recognition Based Precision Landing System For Rotary wing UAVS, Postgraduate, K.PEHLİVAN(Student), Continues

Aydın S., Erdal H., Sanal ve Artırılmış Gerçeklik Teknolojisiyle Tümüleşik Quantum Bilgisayar Derleyicisi Kullanım Platformunun Gerçekleştirilmesi, Doctorate, H.Hakan(Student), 2022

Altıkardeş Z. A. , Erdal H., Design of Product Recommendation System by Using Deep Learning Methods, Postgraduate, E.KANTEPE(Student), 2019

Erdal H., Korkmaz H., Hibrit ve elektrikli metrobüs araçları için sürüş çevrimi oluşturulması, Doctorate, H.KAYMAZ(Student), 2018

Erdal H., Çelik H. H. , Manyetik kaçak akılar yöntemi ile ferromanyetik malzeme üzerindeki kusurların belirlenmesi, Postgraduate, O.KARA(Student), 2018

Erdal H., Bilgisayar tümleşik esnek imalat sisteminin (CIM/FMS) mekatronik eğitimine entegrasyonu ve müfredat geliştirilmesi, Doctorate, B.DOĞAN(Student), 2018

Erdal H., Yenidoğan yoğun bakım ve nakil ventilatörü (yapay solunum cihazı) tasarımı, Postgraduate, F.SERDAR(Student), 2017

Erdal H., HAZIR BETON SANTRALİ OTOMASYONU İÇİN ESNEK YAPIDA SCADA YAZILIMI TASARIMI, Postgraduate, A.OKUMUŞ(Student), 2013

Erdal H., Donanımlı dalgı süreci için derinlik kontrol otomasyonunun tasarımı ve oluşturulacak dalgı modeli üzerinde simülasyonu, Postgraduate, S.KATRANCIOĞLU(Student), 2012

Erdal H., Baba A. F. , Tip 2 diabetes mellituslu hastalarda 24 saatlik kan basıncı değişiminin öngörülmesine yönelik uzman sistem tasarımı, Doctorate, Z.AYSUN(Student), 2012

Erdal H., Güncel yapay zeka tekniklerinin incelenmesi ve eksikliklerinin giderilmesi için hybrid algoritma tasarımı, Postgraduate, Y.PAÇACI(Student), 2011

Erdal H., Otomatik tanıma-veri toplama sistemlerinde RFID teknolojisi ve örnek bir uygulaması, Postgraduate, M.KURU(Student), 2010

Erdal H., Kontrol eğitimi için MATLAB ile web tabanlı uygulama araçlarının geliştirilmesi, Postgraduate, K.SAVAŞ(Student), 2010

Onat M., Erdal H., Birey merkezli öğrenme yöntemi ile endüstriye yönelik SCADA eğitimi, Postgraduate, B.ÇÖĞAL(Student), 2010

Erdal H., Topuz V., PID kontrolörün karınca kolonisi / genetik algoritma tabanlı optimizasyonu ve Gunt RT 532 basınç prosesinin kontrolü, Postgraduate, M.ÜNAL(Student), 2008

ERDAL H., PID kontrolörün karınca kolonisi genetik algoritma tabanlı optimizasyonu ve GUNT RT 532 basınç prosesinin kontrolü, Postgraduate, M.Ünal(Student), 2008

Erdal H., Kaptan H., Web üzerinden sistem kontrolü ve uzaktan erişimli laboratuvar uygulaması, Postgraduate, B.DOĞAN(Student), 2007

Can B., Erdal H., Eğitim amaçlı bir iklimlendirme odasının yapay zeka teknikleri ile modellenmesi ve kontrolü, Doctorate, Y.İZGİ(Student), 2007

Güney K. R. İ. , Erdal H., Hibrid güç üretim sisteminin modellenmesi, analizi ve neuro-fuzzy kontrolör kullanılarak sistem performansının iyileştirilmesi, Doctorate, Y.OĞUZ(Student), 2007

Tunçalp K., Erdal H., MPS modüler üretim sisteminin bilgisayar destekli gerçek zamanlı kontrolü ve teknik eğitime uygulanması, Doctorate, S.TAŞKIN(Student), 2007

Erdal H., Servo motorlar ve örnek bir uygulama tasarımı, Postgraduate, O.HANCI(Student), 2007

Baba A. F. , Erdal H., Matlab-SIMULINK + PIC tabanlı bulanık mantık denetleyici tasarımı ve gerçek zamanlı sıcaklık kontrolü uygulaması, Postgraduate, Y.BOLAT(Student), 2006

Erdal H., Bir odanın akıllı hale getirilmesi ve uygulaması, Postgraduate, Ö.ÇELİK(Student), 2006

Temiz İ., Erdal H., Faz değiştirici malzeme (PCM) kullanılarak transformatörlerin soğutulması, Postgraduate, E.BÜYÜKBIÇAKCI(Student), 2006

Erdal H., Elektrik kumanda teknikleri dersinin uygulamalarında kullanılacak bir simülasyon tasarımı, Postgraduate, V.HALLIYEV(Student), 2005

Erdal H., Adlı M. A. , Mobil robot çalışma prensipleri ve mobil robot uygulaması, Postgraduate, A.ATEŞ(Student), 2004

ERDAL H., Mobil robot çalışma prensipleri ve mobil robot uygulaması, Postgraduate, A.Ateş(Student), 2004

Erdal H., Baba A. F. , Gunt RT 522 akış eğitim setinin MATLAB ile gerçek zamanlı (real-time) kontrol, Postgraduate, Ö.YAŞAR(Student), 2004

Erdal H., Mekatronik donanımlı içten yanmalı motorlarda hava akış ölçerlerle hava kütleli debisinin tespiti ve yakıt-hava karışımı teşkili, Postgraduate, E.YURDAGÜL(Student), 2003

Jury Memberships

Appointment Academic Staff, Appointment Academic Staff, Marmara Üniversitesi, February, 2021

Appointment Academic Staff, Appointment Academic Staff, Marmara Üniversitesi, February, 2021

Appointment Academic Staff, Appointment Academic Staff, Milli Savunma Üniversitesi, February, 2021

Appointment Academic Staff, Appointment Academic Staff, Milli Savunma Üniversitesi, February, 2020

Appointment Academic Staff, Appointment Academic Staff, Marmara Üniversitesi, July, 2019

Appointment Academic Staff, Appointment Academic Staff, Marmara Üniversitesi, July, 2019

Appointment Academic Staff, Appointment Academic Staff, Sağlık Bilimleri Üniversitesi, May, 2019

Appointment Academic Staff, Appointment Academic Staff, Kocaeli Üniversitesi, February, 2019

Appointment Academic Staff, Appointment Academic Staff, Milli Savunma Üniversitesi, December, 2018

Appointment Academic Staff, Appointment Academic Staff, Aydın Adnan Menderes Üniversitesi, August, 2018

Appointment Academic Staff, Appointment Academic Staff, Bandırma Onyedi Eylül Üniversitesi, April, 2018

Appointment Academic Staff, Appointment Academic Staff, Bandırma Onyedi Eylül Üniversitesi, February, 2018

Appointment Academic Staff, Appointment Academic Staff, Afyon Kocatepe Üniversitesi, January, 2018

Appointment Academic Staff, Appointment Academic Staff, Kocaeli Üniversitesi, January, 2018

Appointment Academic Staff, Appointment Academic Staff, Manisa Celal Bayar Üniversitesi, January, 2018

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

- I. **Designing a virtual reality programming environment for quantum computers**
Genc H. H. , Aydın S., Erdal H.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, 2021 (Journal Indexed in SCI)
- II. **The Role of the Maker Movement in Engineering Education: Student Views on Key Issues of Makerspace Environment**
DOĞAN B., DOĞAN B., ÜLKÜ E. E. , BAŞ A., ERDAL H.
INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION, vol.36, no.4, pp.1161-1169, 2020 (Journal Indexed in SCI)
- III. **A review of commercial electric vehicle charging methods Ticari elektrikli araç şarj yöntemlerinin incelenmesi**

TERZİ Ü. K. , İlhan H. E. , Kaymaz H., ERDAL H., Çalik H.

Promet - Traffic - Traffico, vol.32, no.2, pp.291-307, 2020 (Journal Indexed in SCI)

- IV. **Development of a driving cycle for Istanbul bus rapid transit based on real-world data using stratified sampling method**
Kaymaz H., KORKMAZ H., ERDAL H.
Transportation Research Part D: Transport and Environment, vol.75, pp.123-135, 2019 (Journal Indexed in SCI)
- V. **A novel method for dipper/non-dipper pattern classification in hypertensive and non-diabetic patients**
Altıkardes Z. A. , Kayikli A., Korkmaz H., Erdal H., Baba A. F. , Fak A. S.
TECHNOLOGY AND HEALTH CARE, vol.27, 2019 (Journal Indexed in SCI)
- VI. **A New Approach for Transformer Cooling Systems: Application of Phase Change Materials (PCM)**
BÜYÜKBIÇAKCI E., TEMİZ İ., ERDAL H., BÜYÜKBIÇAKCI Z.
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.1013-1015, 2015 (Journal Indexed in SCI)
- VII. **EXPERIMENT-BASED DETERMINATION of DC MOTOR PARAMETERS and OPTIMIZATION of PARAMETER DETERMINATION RESULTS**
Erdal H., Doğan B.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, pp.589-598, 2012 (Journal Indexed in SCI)
- VIII. **Trajectory tracking performance comparison between genetic algorithm and ant colony optimization for PID controller tuning on pressure process**
ÜNAL M., ERDAL H., TOPUZ V.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.20, no.3, pp.518-528, 2012 (Journal Indexed in SCI)
- IX. **Modeling of Hybrid Wind-Gas Power Generation System and Adaptive Neuro-Fuzzy Controller to Improve the System Performance**
OĞUZ Y., GÜNEY K. R. İ. , ERDAL H.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.18, no.4, pp.669-683, 2010 (Journal Indexed in SCI)
- X. **Controlling of grid connected photovoltaic lighting system with fuzzy logic**
SAĞLAM Ş., Ekren N., ERDAL H.
SOLAR ENERGY, vol.84, no.2, pp.256-262, 2010 (Journal Indexed in SCI)
- XI. **System Control Through the Internet and a Remote Access Laboratory Implementation**
Doğan B., Erdal H.
Lecture Notes In Computer Science, vol.4823, pp.532-541, 2008 (Journal Indexed in SCI Expanded)
- XII. **Design of Adaptive Neuro Fuzzy Inference System for Automatic Generation Control of a Multi Area Power Generation System**
OĞUZ Y., GÜNEY K. R. İ. , ERDAL H.
WSEAS Transactions on Power Systems, vol.4, pp.73-80, 2007 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **YAPAY ZEKA TEKNİKLERİ ve UZMAN SİSTEMLERİN KARASAL AKILLI ULAŞIM SİSTEMLERİNİN DENETİMİNDEKULLANIMI**
ERDAL H.
Akıllı Ulaşım Sistemleri ve Uygulamaları Dergisi, vol.1, pp.32-39, 2018 (Refereed Journals of Other Institutions)
- II. **Tahribatsız Test Yöntemleri: Karşılaştırmalı Bir Derleme Çalışması**
KARA O., ÇELİK H. H. , ERDAL H.
Marmara Fen Bilimleri Dergisi, vol.29, pp.82-93, 2017 (Refereed Journals of Other Institutions)
- III. **THE FUTURE OF INTELLIGENCE TRANSPORTATION SYSTEMS ECONOMICAL AND ENVIRONMENTAL BENEFITS**
TEKTAŞ M., KOKMAZ K., ERDAL H.
BJSS Balkan Journal of Social Sciences, 2016 (Refereed Journals of Other Institutions)

- IV. **Performance evaluation of classification algorithms by excluding the most relevant attributes for dipper non dipper pattern estimation in Type 2 DM patients**
Altıkardeş Z. A. , Erdal H., Baba A. F. , Fak A. S. , Korkmaz H.
International Journal of Computer Information Systems and Industrial Management Applications, vol.8, pp.247-256, 2016 (Refereed Journals of Other Institutions)
- V. **Design and Simulation of A LQG Robust Controller For An Electrical Power System**
OĞUZ Y., ERDAL H., TAŞKIN S.
İSTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.8, pp.693-703, 2008
(Refereed Journals of Other Institutions)
- VI. **Mekatronik Donanımlı İçten Yanmalı Benzinli Motorların Performans Değerlendirmeleri İçin Yazılım ve Donanım Sisteminin Tasarımı**
YURDAGÜL E., ERDAL H., BABA A. F.
Politeknik Dergisi, vol.8, 2005 (Other Refereed National Journals)

Books & Book Chapters

- I. **Optimization of PID Controllers Using Ant Colony and Genetic Algorithms**
Ünal M., Ak A., Topuz V., Erdal H.
Springer, London/Berlin , Dordrecht, 2013

Refereed Congress / Symposium Publications in Proceedings

- I. **A Novel Approach to the Implementation of Cloud Based Quantum Programming Platforms in VR Environment**
Genç H. H. , Aydın S., Erdal H.
2020 Innovations in Intelligent Systems and Applications Conference (ASYU), İstanbul, Turkey, 15 - 17 October 2020, pp.1-6
- II. **Product Recommendation System with Explicit Feedback Using Deep Learning Methods Açık Geri Bildirim ile Derin Öğrenme Yöntemi Kullanılarak Ürün Öneri Sistemi**
Kantepe E., Altıkardeş Z. A. , Erdal H.
2020 Innovations in Intelligent Systems and Applications Conference, ASYU 2020, İstanbul, Turkey, 15 - 17 October 2020
- III. **YÜKSEK HASSASİYETLİ KAYAN NOKTA SAYI HESAPLAMALARINDA BULUT TEMELLİ QUANTUM BİLGİSAYAR PROGRAMLAMA PLATFORMLARININ KULLANIMI**
Genç H. H. , Aydın S., Erdal H.
4. ULUSLARARASI MARMARA FEN BİLİMLERİ KONGRESİ, Kocaeli, Turkey, 19 - 20 June 2020, vol.3, pp.387-397
- IV. **Design of Virtual Reality Browser Platform for Programming of Quantum Computers via VR Headsets**
Genç H. H. , Aydın S., Erdal H.
2nd International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Ankara, Turkey, 26 - 27 June 2020
- V. **SİNİRSEL HESAPLAMA ÇUBUĞUNUN MİNİ-BİLGİSAYAR ORTAMINDA KOŞTURULAN DERİN SİNİR AĞLARI UYGULAMASINA ETKİSİNİN İNCELENMESİ**
Tiryaki F., Doğan B., Erdal H.
2. INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE, MECHANICAL AND AUTOMOTIVE ENGINEERINGS AND TECHNOLOGY IN CAPPADOCIA, Nevşehir, Turkey, 21 - 23 June 2019, pp.1330
- VI. **A Novel Method for Dipper/non-Dipper Pattern Prediction in Hypertension and non-Diabetic Patients**
ALTIKARDEŞ Z. A. , Kayıklı A., KORKMAZ H., ERDAL H., BABA A. F. , FAK A. S.
The 7th International Conference on Biomedical Engineering and Biotechnology, Nanjing, China, 22 - 25 October

2018

- VII. **Design, Modelling, Prototyping and Closed Loop Control of a Mechanical Ventilator for Newborn Babies**
SAYIN F. S. , ERDAL H.
CEIT 2018 6th International Conference on Control Engineering and Information Technology, 25 - 27 October 2018
- VIII. **Trajectory Tracking Fuzzy Logic Controller Design and Implementation for Mechanical Ventilation Devices**
Sayın F. S. , KAMIŞLIOĞLU M., Erdal H.
5th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 12 - 16 October 2018
- IX. **Centrifugal Blower Design, CFD Analysis, and Prototyping for Portable Mechanical Ventilators**
SAYIN F. S. , ERDAL H., ATMACA M.
1st International Conference on Physical Chemistry and Functional Materials, 19 - 21 June 2018
- X. **Real Time Fuzzy Control Implementantion for Mechanical Ventilation Devices**
SAYIN F. S. , KAMIŞLIOĞLU M., ERDAL H.
1st International Conference on Physical Chemistry and Functional Materials, 19 - 21 June 2018
- XI. **Validation of Compact Hybrid System for City Buses**
Kaymaz H., ERDAL H.
1. INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS BANU – ITSC’ 18, 19 - 21 April 2018
- XII. **Connected and Autonomous Commerical Vehicle**
Kaymaz H., ERDAL H.
1. INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS BANU – ITSC’ 18, 19 - 21 April 2018
- XIII. **Characteristic Driving Parameters of Brt Istanbul and Evaluation of Hybridization/ Electrification Potential**
Kaymaz H., KORKMAZ H., ERDAL H.
1. INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS BANU – ITSC’ 18, 19 - 21 April 2018
- XIV. **THE FUTURE OF INTELLIGENCE TRANSPORTATION SYSTEMS ECONOMICAL AND ENVIRONMENTAL BENEFITS**
TEKTAŞ M., Korkmaz K., ERDAL H.
ICOMEF 2016 International Congress of Management Economy and Policy, 26 - 27 November 2016
- XV. **Performance evaluation of classification algorithms by excluding the most relevant attributes for dipper/non-dipper pattern estimation in Type-2 DM patients**
ALTIKARDEŞ Z. A. , ERDAL H., BABA A. F. , FAK A. S. , Kokmaz H.
15th International Conference on Intelligent Systems Design and Applications (ISDA), Marrakush, Morocco, 14 December 2015, pp.665-672
- XVI. **Liquid Level Process Control with Fuzzy Logic Based Embedded System**
Celik B., Birtane S., Dikbiyik E., ERDAL H.
9th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 - 28 November 2015, pp.874-878
- XVII. **Bilgisayar Destekli Yenidoğan Akciğer Simülatörü Tasarımı**
SAYIN F. S. , ERDAL H.
TIPTEKNO’15 TIP TEKNOLOJİLERİ ULUSAL KONGRESİ, Muğla, Turkey, 15 - 18 October 2015
- XVIII. **MATLAB Simulink Tabanlı Otomatik Kod Üretimi ve Gömülü Anti Windup PI Denetleyici Tasarımı**
Sayın F. S. , ERDAL H., DOĞAN B.
Otomatik Kontrol Ulusal Toplantısı, TOK2014, Kocaeli, Turkey, 11 - 13 September 2014
- XIX. **A Study to Classify Non-Dipper/Dipper Blood Pressure Pattern of Type 2 Diabetes Mellitus Patients without Holter Device**

ALTIKARDEŞ Z. A. , ERDAL H., BABA A. F. , Tezcan H., FAK A. S. , KORKMAZ H.

World Congress on Computer Applications and Information Systems (WCCAIS), Hammamet, Tunisia, 17 - 19 January 2014

- XX. **MATLAB Simulink Response Optimization Aracı ROA ile Kontrolör Katsayılarının Belirlenmesi**
ERDAL H., DOĞAN B.
Otomatik Kontrol Ulusal Toplantısı ve Sergisi, TOK2013, Malatya, Turkey, 26 - 28 September 2013
- XXI. **SCADA Arayüzü Kullanan PLC Destekli ve PID Denetimli Bir HVAC Eğitim Setinin Geliştirilmesi**
YOLAL M. A. , SAVAŞ K., ERDAL H.
Otomatik Kontrol Ulusal Toplantısı 2013 (TOK 2013), Malatya, Turkey, 26 - 28 September 2013, pp.649-654
- XXII. **ABPM Ölçümü Olmaksızın Karar Ağaçları Algoritması ile Non Dipper Dipper Öngörüsü**
ALTIKARDEŞ Z. A. , ERDAL H., BABA A. F. , FAK A. S.
IX. Ulusal Tıp Bilişimi Kongresi, Antalya, Turkey, 15 - 17 November 2012
- XXIII. **Remote Access Control Laboratory Implementation Academic Success Analysis**
ERDAL H., ERSOY S., DOĞAN B.
The 6th International Computer and Instructional Technologies Symposium, ICITS2012, Gaziantep, Turkey, 4 - 06 October 2012, pp.206
- XXIV. **A Machine Learning Algorithm to Predict Non Dipper Blood Pressure Pattern Without the Use of 24 Hour Blood Pressure Monitoring**
ALTIKARDEŞ Z. A. , ERDAL H., BABA A. F. , BİLGİN D., ONAT F., TOKAY S., DEYNELİ O., HAKAN T., FAK A. S. , ÖZENER İ. Ç.
8th Mediterranean Meeting on Hypertension and Atherosclerosis International Congress, Muğla, Turkey, 6 - 10 April 2011
- XXV. **Web Based Control Simulations Environment WBCSE for Control Education with MATLAB**
ÜNAL M., SAVAŞ K., TOPUZ V., ERDAL H.
International Educational Technology Conference (IETC 2010), 01 September 2010
- XXVI. **A modular and low-cost data acquisition card design with multitasking support**
Katrancıoğlu S., SAVAŞ K., ERDAL H.
2nd World Conference on Educational Sciences (WCES-2010), İstanbul, Turkey, 4 - 08 February 2010, vol.2, pp.5266-5270
- XXVII. **Web Automatic Control Simulation Environment System (ACSES) Designed As A Virtual Tool For Control Education**
SAVAŞ K., ERDAL H.
World Conference on Educational Sciences 2010 (WCES 2010), İstanbul, Turkey, 4 - 08 February 2010, vol.2, pp.5233-5237
- XXVIII. **An internet-based real-time remote automatic control laboratory for control education**
Ugur M., SAVAŞ K., ERDAL H.
2nd World Conference on Educational Sciences (WCES-2010), İstanbul, Turkey, 4 - 08 February 2010, vol.2, pp.5271-5275
- XXIX. **Interface Design for Automation of the Scanning EMG Method**
Doğan B., Göker İ., Baslo M. B. , Erdal H., Ülgen Y.
14th National Biomedical Engineering Meeting, İzmir, Turkey, 20 - 22 May 2009, pp.265-266
- XXX. **A simulator for the course of Electromechanical Control Techniques**
ERDAL H., Halliyev V.
10th WSEAS International Conference on Automatic Control, Modelling and Simulation, İstanbul, Turkey, 27 - 30 May 2008, pp.221-223
- XXXI. **Bağlama Çalan Bir Mekanizmanın Tasarımı ve Gerçekleştirilmesi**
Erişti E., ERDAL H.
4. Otomasyon Sempozyumu, Turkey, 23 - 25 May 2007
- XXXII. **ISAC Robot Kolunun Yörünge Takibi için PID Kontrolörün Genetik Algoritma İle Optimizasyonu**
ÜNAL M., ERDAL H., TOPUZ V., ERGÜZEL T. T.
Ulusal Teknik Eğitim ve Eğitim Bilimleri Genç Araştırmacılar Sempozyumu (UMES'07), Turkey, 1 - 03 June 2005

- XXXIII. **PM DC Makina Kullanılarak Bilgisayar Destekli Tako Generatör Tasarımı ve Ölçüm Uygulamaları**
ERDAL H., ONAT M.
V.Ulusal Ölçümbilim Kongresi, Turkey, 9 - 10 October 2003
- XXXIV. **Real Time Speed Control Implementation of PM DC Motor Using xPC Target And Simulink**
ONAT M., ERDAL H.
3rd International Advanced Technologies Symposium, 18 - 20 August 2003
- XXXV. **A Novel Simulator For Sequential Control Techniques**
ERDAL H., HALLIYEV V., ONAT M.
3rd International Advanced Technologies Symposium, 18 - 20 August 2003
- XXXVI. **Metal Deneklerin Isıl Uzama Miktarı Ölçümüne Yönelik Tasarlanan Sistemde Fırın İçi Sıcaklığın Çok Bölge ve Farklı Şartlara Uyumlu Bulanık Mantık Denetleyici İle Kontrolü**
KORKMAZ H., CAN B., ERDAL H.
3rd International Advanced Technologies Symposium, 18 - 20 August 2003
- XXXVII. **Fuzzy Control of HVAC System**
ERDAL H., CAN B.
3rd International Symposium on Intelligent Manufacturing Systems, 30 - 31 August 2001
- XXXVIII. **Neurocontrol of Air Speed of HVAC Experimental Room**
KUZUCUOĞLU A. E. , CAN B., ERDAL H.
3rd International Symposium on Intelligent Manufacturing Systems, Turkey, 30 - 31 August 2001
- XXXIX. **İklimlendirme Odasının Matematik Modeli Ve Simülasyonunun Yapılması**
Taşdelen İ., BABA A. F. , ERDAL H., KUZUCUOĞLU A. E.
Eleco'2000, Elektrik-Elektronik-Bilgisayar Mühendisliği Sempozyumu, Bursa, Turkey, 8 - 12 November 2000
- XL. **Kapalı Bir Ortam Sıcaklığının Bulanık Kontrolü**
ERDAL H., KUZUCUOĞLU A. E. , BABA A. F. , CAN B.
2nd Advanced Technologies Symposium, Turkey, 8 - 10 March 1999
- XLI. **Bir İklimlendirme Odasının Kontrol Eğitiminde Kullanılması**
ERDAL H., CAN B., KUZUCUOĞLU A. E.
1. Mesleki ve Teknik Eğitim Sempozyumu, Karabük, Turkey, 6 - 08 August 1998
- XLII. **Elektrik Enerjisi Üretim Tesislerinin Çevre Açısından Değerlendirilmesi**
Kentli F., ERDAL H.
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