

Prof. MAHİR DURSUN

Personal Information

Office Phone: [+90 312 202 8526](tel:+903122028526)

Email: mdursun@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/mdursun> / <https://scholar.google.com/citations?user=SDPDS5wAAAAJ&hl=tr>

Address: Teknoloji Falültesi Taşkent Binası 2. Kat B238 06500 Teknikokullar/ANKARA

International Researcher IDs

ScholarID: SDPDS5wAAAAJ

ORCID: 0000-0003-0649-2627

Publons / Web Of Science ResearcherID: O-7229-2016

ScopusID: 26429481200

Yoksis Researcher ID: 134338

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Dr), Turkey 1997 - 2002

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (YI) (Tezli), Turkey 1994 - 1996

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, Turkey 1988 - 1993

Certificates, Courses and Trainings

Quality Management, ISO Kalite Yönetimi, Gazi Üniversitesi, TSE, 2022

Occupational Health and Safety, İş Sağlığı Ve Güvenliği , İş Sağlığı ve Güvenliği , 2017

Project Management, İcat Çıkarma Teknikleri ve TRIZ, Gazi Teknopark, 2016

Entrepreneurship, Girişimcilik, Ankara Sanayi Odası, 2015

Vocational Course, Manyetik Tasarım, FİGES, 2011

Dissertations

Doctorate, Anahtarlamalı relüktans motorla su pompası tahriki, Gazi University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Dr), 2002

Postgraduate, Aktif güç filitrelerinin simülasyonu ve analizi, Gazi University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (YI) (Tezli), 1996

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2019 - Continues

Professor, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2017 - Continues

Professor, Batman University, Faculty Of Technology, 2018 - 2019
Associate Professor, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2011 - 2017
Associate Professor, Southern University and A & M College, Engineering, Computer Science, 2012 - 2012
Associate Professor, Gazi University, Teknik Eğitim Fakültesi, Elektrik Eğitimi, 2010 - 2011
Assistant Professor, Gazi University, Teknik Eğitim Fakültesi, Elektrik Eğitimi, 2003 - 2010
Assistant Professor, Liverpool Hope, 2004 - 2004
Assistant Professor, Liverpool Hope, 2004 - 2004
Lecturer, Gazi University, Teknik Eğitim Fakültesi, Elektrik Eğitimi, 2002 - 2003
Research Assistant, Gazi University, Teknik Eğitim Fakültesi, Elektrik Eğitimi, 1994 - 2002

Academic and Administrative Experience

Head of Department, Gazi University, Bilişim Enstitüsü, Bilişim Sistemleri , 2020 - Continues
Tübitak Enerji Verimliliği ve Elektrik Makinaları Kurul Üyesi, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2017 - Continues
Gaziteknopark AŞ/EMSA Otomasyon/Robitek Enerji Otomasyon LTD ŞTİ, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2008 - Continues
Batman University, Teknoloji Fakültesi, 2018 - 2019
Gazi University, Teknoloji Fakültesi, 2016 - 2016
Gazi University, Teknoloji Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2016 - 2016
Gazi University, Teknoloji Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2014 - 2015
Gazi University, Teknoloji Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2012 - 2015
Other Member of Board, Gazi University, Araştırma ve Uygulama Merkezleri, Temiz Enerji Araştırma ve Uygulama Merkezi Müdürlüğü (Temenar), 2012 - 2015

Courses

Bilgisayar Programlama ve MATLAB, Undergraduate, 2018 - 2019
Akıllı ve Otonom Sistemler, Postgraduate, 2017 - 2018
GÜÇ ELEKTRONİĞİ LAB., Undergraduate, 2017 - 2018, 2016 - 2017
MİKROİŞLEMCİLER LAB, Undergraduate, 2017 - 2018, 2016 - 2017
GÜÇ ELEKTRONİĞİ, Undergraduate, 2017 - 2018, 2016 - 2017
BEBB5105 - Sanal Gerçeklik, Doctorate, 2017 - 2018
DOKTORA UZMANLIK ALAN DERSİ, Doctorate, 2017 - 2018, 2016 - 2017
Yenilik Temelli Problem Çözme Teknikleri, Postgraduate, 2017 - 2018
İLERİ ROBOT TEKNOLOJİLERİ II, Postgraduate, 2017 - 2018
ARAŞTIRMA TEKNİKLERİ VE YAYIN ETİK İLKELERİ, Postgraduate, 2017 - 2018, 2016 - 2017
BEBB5101 - Yenilik Temelli Problem Çözüm Teknikleri, Doctorate, 2017 - 2018
ESM-403 Girişimcilik, Undergraduate, 2017 - 2018
YÜKSEK LİSANS UZMANLIK ALAN DERSİ, Postgraduate, 2017 - 2018, 2016 - 2017
İLERİ ROBOT TEKNOLOJİLERİ I, Postgraduate, 2017 - 2018, 2016 - 2017
MİKROİŞLEMCİLER, Undergraduate, 2017 - 2018, 2016 - 2017
Mikroişlemciler, Doctorate, 2017 - 2018
İLERİ ROBOT TEKNOLOJİLERİ II, Doctorate, 2016 - 2017
YÜKSEK LİSANS TEZİ, Postgraduate, 2016 - 2017
Elektrik Makinalarının Tasarımı, Undergraduate, 2016 - 2017
DOKTORA TEZİ, Doctorate, 2016 - 2017
Elektrik Machinery I, Undergraduate, 2003 - 2004

Advising Theses

- Dursun M., Modeling and performance comparison of a hybrid energy system combined by hydroelectric and solar energy, Doctorate, M.Fatih(Student), 2023
- Dursun M., Makine öğrenmesi kullanarak doküman sınıflandırma, Postgraduate, G.ALPARSLAN(Student), 2023
- Dursun M., SANAL GERÇEKLİK TABANLI KULE VİNÇ OPERATÖRÜ EĞİTİM SİMÜLATÖRÜ, Postgraduate, K.YILMAZ(Student), 2022
- Dursun M., X-ışını ve derin öğrenme ile covid-19 tespiti, Postgraduate, N.HUSSAIN(Student), 2021
- DURSUN M., Adaptif kontrollü bir CNC makinesinin prototipinin geliştirilmesi, Postgraduate, E.POLAT(Student), 2019
- DURSUN M., Compensation In Solar Power Systems, Postgraduate, T.DEMİRDÖĞEN(Student), 2019
- DURSUN M., Deadbeat Control Of Group Servo Motors, Postgraduate, S.ENGİN(Student), 2018
- DURSUN M., Unmanned Air Vehicle Data Link Safety And Evaluating With Risk Based Multi Criteria Decision Making Model, Doctorate, İ.ÇUHADAR(Student), 2017
- DURSUN M., Design of PV powered smart drip irrigation system in modern fruit (Dwarf cherry) growing, Doctorate, S.ÖZDEN(Student), 2013
- Dursun M., Position control of linear switched reluctance motor, Postgraduate, F.KOÇ(Student), 2011
- Dursun M., Lineer anahtarlama relüktans motor tasarımı, Postgraduate, H.ÖZBAY(Student), 2011
- DURSUN M., FUZZY LOGIC CONTROLLED ELECTRICAL ELEVATING SYSTEM, Postgraduate, S.ÖZDEN(Student), 2007
- DURSUN M., Akıllı bir asansör sisteminin benzetimi, Postgraduate, Ü.SARIBAŞ(Student), 2006

Advising Graduates (Non-Thesis)

- Dursun M., YİNELEMELİ BULANIK MANTIK KONTROL TEKNİĞİ ile BİR DC MOTORUN HIZ KONTROLÜ, Masters (Non-Thesis, Evening Education), B.Yılmaz(Student), Continues
- Dursun M., Kablosuz güvenlikte teknik zorluklar, son gelişmeler, Masters (Non-Thesis, Evening Education), M.MUTLUTAN(Student), 2021
- Dursun M., SANAL GERÇEKLİK İLE UZAKTAN EĞİTİM VE MİKRO İŞLEMİCİLER LABORATUVAR UYGULAMASI, Masters (Non-Thesis, Evening Education), A.ATLAY(Student), 2021
- Dursun M., Android Güvenlik Atakları ve Savunmaları, Masters (Non-Thesis, Evening Education), A.Köşker(Student), 2021
- Dursun M., BORSA İSTANBUL ŞİRKETLERİNİN FİNANSAL TABLOLARININ OTOMASYON YARDIMIYLA ANALİZ EDİLMESİ, Masters (Non-Thesis, Evening Education), N.Destegül(Student), 2021
- Dursun M., Yeni Bir IOT Tabanlı Ev Otomasyon Sistemi Akış Algoritması, Masters (Non-Thesis), İ.Kaya(Student), 2021
- Dursun M., Kritik Karar Destek Sistemlerinin Otonom İnsansız Hava Araçlarına Entegrasyonu, Masters (Non-Thesis), N.Vuran(Student), 2021
- Dursun M., RASPBERRY Pİ İLE MASKE KONTROLÜ, Masters (Non-Thesis), M.Kübra(Student), 2021
- Dursun M., OSPF Dynamic Routing Protokolü Kullanarak Kurumsal Bir Network Ağ Tasarlanması, Masters (Non-Thesis, Evening Education), M.Şahindaş(Student), 2020
- Dursun M., Using AR Technology in Education (Solar System), Masters (Non-Thesis, Evening Education), B.SOYHAN(Student), 2020
- Dursun M., BİLGİSAYAR DONANIM EĞİTİMİNDE ARTIRILMIŞ GERÇEKLİK UYGULAMASI, Masters (Non-Thesis, Evening Education), T.SUNAY(Student), 2020
- Dursun M., Panoramik Röntgen Çekimlerinde Entegre Otomasyon ve Uzaktan Kontrol, Masters (Non-Thesis, Evening Education), E.ATAK(Student), 2020

- I. **Improving neural-network-based prediction models for misalignment in off-axis three-mirror anastigmat telescopes**
Başlar İ., DURSUN M.
Applied Optics, vol.63, no.29, pp.7747-7755, 2024 (SCI-Expanded)
- II. **Risk based multi criteria decision making for secure image transfer between unmanned air vehicle and ground control station**
DURSUN M., Cuhadar I.
RELIABILITY ENGINEERING & SYSTEM SAFETY, vol.178, pp.31-39, 2018 (SCI-Expanded)
- III. **Optimization of soil moisture sensor placement for a PV-powered drip irrigation system using a genetic algorithm and artificial neural network**
DURSUN M., Ozden S.
ELECTRICAL ENGINEERING, vol.99, no.1, pp.407-419, 2017 (SCI-Expanded)
- IV. **Low-Cost Linear Switched Reluctance Motor: Velocity and Position Control**
Zaafrane W., Rehaouia H., DURSUN M., Khediri J.
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.25, no.4, 2016 (SCI-Expanded)
- V. **Control of soil moisture with radio frequency in a photovoltaic-powered drip irrigation system**
DURSUN M., Ozden S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.23, no.2, pp.447-458, 2015 (SCI-Expanded)
- VI. **An efficient improved photovoltaic irrigation system with artificial neural network based modeling of soil moisture distribution - A case study in Turkey**
DURSUN M., Ozden S.
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.102, pp.120-126, 2014 (SCI-Expanded)
- VII. **PC-based data acquisition system for PLC-controlled linear switched reluctance motor**
DURSUN M., Ozden S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.21, no.1, pp.71-80, 2013 (SCI-Expanded)
- VIII. **Linear switched reluctance motor control with PIC18F452 microcontroller**
DURSUN M., KOÇ ÖZDEN F.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.21, no.4, pp.1107-1119, 2013 (SCI-Expanded)
- IX. **Design and analysis of a double sided linear switched reluctance motor driver for elevator door**
DURSUN M., ÖZBAY H.
PRZEGLAD ELEKTROTECHNICZNY, vol.87, no.5, pp.293-296, 2011 (SCI-Expanded)
- X. **Velocity Control of Linear Switched Reluctance Motor for Prototype Elevator Load**
DURSUN M., FENERCİOĞLU A.
PRZEGLAD ELEKTROTECHNICZNY, vol.87, pp.209-214, 2011 (SCI-Expanded)
- XI. **ESTIMATION OF PASSENGER WAITING TIME IN ELEVATOR SYSTEMS WITH ARTIFICIAL NEURAL NETWORK**
Dursun M.
INTELLIGENT AUTOMATION AND SOFT COMPUTING, vol.16, no.1, pp.101-110, 2010 (SCI-Expanded)
- XII. **Design and Magnetic Analysis of a Double Sided Linear Switched Reluctance Motor**
FENERCİOĞLU A., DURSUN M.
PRZEGLAD ELEKTROTECHNICZNY, vol.86, no.5, pp.78-82, 2010 (SCI-Expanded)
- XIII. **Artificial Neural Network Based Modeling of Spatial Distribution of Phosphorus on the Tomato Area**
DURSUN M., Karaman M. R.
ASIAN JOURNAL OF CHEMISTRY, vol.21, no.1, pp.239-247, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Selection of the Suitable Renewable Hybrid Pairs: A Case Study**
DURSUN M., Saltuk M. F.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.27, pp.273-281, 2024 (ESCI)
- II. **Reservoir Effect on the Hybrid Solar-Hydroelectric (SHE) System**
DURSUN M., Saltuk M. F.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.26, pp.1505-1515, 2023 (ESCI)
- III. **Convolutional Neural Networks Based Turkish Text Classification**
Alparslan G., DURSUN M.
Bilişim Teknolojileri Dergisi, vol.16, no.1, pp.21-31, 2023 (Peer-Reviewed Journal)
- IV. **Preface: ICEEE 2023**
DURSUN M.
Proceedings - 2023 10th International Conference on Electrical and Electronics Engineering, ICEEE 2023, 2023 (Scopus)
- V. **Investigation of Partial Shading Effects on Photovoltaic Systems According to Different Connection Types**
KÜÇÜK A. O., GÖZDE H., TAPLAMACIOĞLU M. C., DURSUN M.
International Journal on Technical and Physical Problems of Engineering, vol.38, no.11, pp.31-34, 2019 (Scopus)
- VI. **Prediction and Modelling of Energy Consumption on Temperature Control for Greenhouses**
Ozden S., DURSUN M., Aksoz A., SAYGIN A.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.22, no.1, pp.213-217, 2019 (ESCI)
- VII. **Video Streaming with Raspberry Pi 3, Picamera and https Implementation for Unmanned Aerial Vehicle (UAV) Data Link**
DURSUN M., ÇUHADAR İ.
Bilişim Teknolojileri Dergisi, vol.11, pp.23-28, 2018 (Peer-Reviewed Journal)
- VIII. **Unmanned Air Vehicle System s Data Links**
CUHADAR İ., DURSUN M.
Journal of Automation and Control Engineering, 2016 (Peer-Reviewed Journal)
- IX. **The Implementation of Controlled Humanoid Robot with Android**
AKSÖZ A., engin s., DURSUN M.
Journal of Automation and Control Engineering, 2016 (Peer-Reviewed Journal)
- X. **The Design of Humanoid Robot Using C Interface on Bluetooth Communication**
engin s., AKSÖZ A., DURSUN M., hamidoğulları m. h.
Journal of Automation and Control Engineering, 2016 (Peer-Reviewed Journal)
- XI. **The Aspects Reasons and Outcomes of an Unmanned Air Vehicle Crash Caused By Engine Failure**
İsmet Ç., DURSUN M.
International Journal of Aerospace System Engineering, vol.2, no.1, pp.1-5, 2015 (Peer-Reviewed Journal)
- XII. **Dynamics Parameter Graphs of Passenger Planes**
AKSÖZ A., DURSUN M., SAYGIN A.
International Journal of Aerospace System Engineering, vol.2, no.1, pp.31-37, 2015 (Peer-Reviewed Journal)
- XIII. **Dynamic Parameter Graphs of Passenger Planes**
AKSÖZ A., DURSUN M., SAYGIN A.
International Journal of Aerospace System Engineering, vol.2, no.1, pp.31-37, 2015 (Peer-Reviewed Journal)
- XIV. **A New Design of Single Side Brushless Direct Current Linear Motor**
DURSUN M., SAYGIN A., ÖZDEN S., FENERCİOĞLU A.
Journal of Automation and Control Engineering, vol.3, no.4, pp.336-342, 2015 (Peer-Reviewed Journal)
- XV. **ELEVATOR DRIVING BY LINEAR SWITCHED RELUCTANCE MOTOR**
DURSUN M., ateşoğlu s.
MÜHENDİS VE MAKİNA, vol.55, no.658, pp.58-65, 2014 (Peer-Reviewed Journal)
- XVI. **A Design and Automation with PLC of a Solar System and Test Results**
DURSUN M., SAYGIN A., ÖZDEN S.
International Journal of Electrical Energy, vol.2, no.3, pp.200-205, 2014 (Peer-Reviewed Journal)

- XVII. **Design of Monitoring System for Linear Switched Reluctance Motor with Quadrature Encoder and Current Sensors**
DURSUN M., ÖZDEN S.
International Journal of Computer Theory and Engineering, vol.5, pp.401-404, 2013 (Peer-Reviewed Journal)
- XVIII. **Application of Solar Powered Automatic Water Pumping in Turkey**
DURSUN M., ÖZDEN S.
International Journal of Computer and Electrical Engineering, vol.4, no.2, pp.161-164, 2012 (Peer-Reviewed Journal)
- XIX. **Design and implementation of drip irrigation system with solar energy**
DURSUN M., ÖZDEN S.
International Review of Automatic Control, 2012 (Scopus)
- XX. **Simulation of Spatial Variability of Organic Matter on The Vineyard Area Using The Model of Artificial Neural Networks**
KARAMAN M. R., DURSUN M., KARKACIER O., ŞAHİN S.
Crop Modeling and Decision Support, pp.299-306, 2011 (Peer-Reviewed Journal)
- XXI. **START UP CURRENT CONTROL OF BUCK BOOST CONVERTER FED SERIAL DC MOTOR**
DURSUN M., SÖNMEZ Y., GÜVENÇ U., YILMAZ C.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.15, no.2, pp.278-283, 2010 (Peer-Reviewed Journal)
- XXII. **Radyo Frekansı ile Düşük Maliyetli Su Seviyesi Kontrolü**
DURSUN M., ÖZDEN S.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, vol.13, no.4, pp.313-317, 2010 (Peer-Reviewed Journal)
- XXIII. **Determination of Geometric Dimensions of a Double Sided Linear Switched Reluctance Motor**
DURSUN M., KOÇ ÖZDEN F., ÖZBAY H.
World Academy of Science, Engineering and Technology International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering, vol.4, no.10, pp.1470-1476, 2010 (Peer-Reviewed Journal)
- XXIV. **Buck Boost Çeviriciden Beslenen Seri DC Motorunun Bulanık Mantıkla Kalkınma Akımının Denetimi**
SÖNMEZ Y., DURSUN M., GÜVENÇ U., YILMAZ E. N.
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.15, no.2, pp.278-283, 2009 (Peer-Reviewed Journal)
- XXV. **Design and Application of Internet Based Solar Pump and Monitoring System**
DURSUN M., YILMAZ E. N.
Journal of Applied Sciences, vol.8, no.16, pp.2859-2866, 2008 (Scopus)
- XXVI. **Matris Konverter Uygulaması**
COŞKUN İ., SAYGIN A., DURSUN M.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, vol.11, no.3, pp.193-198, 2008 (Peer-Reviewed Journal)
- XXVII. **Asansör Sistemlerinde Kabin Hareketinin Yapay Sinir Ağları ile Denetlenmesi**
DURSUN M., Ünal S. Ş.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, vol.11, no.2, pp.115-122, 2008 (Peer-Reviewed Journal)
- XXVIII. **A Wheelchair Driven with Fuzzy Logic Controlled Switched**
DURSUN M.
Journal of Applied Sciences, vol.8, no.19, pp.3351-3360, 2008 (Peer-Reviewed Journal)
- XXIX. **Değişken Hızlı Sürücülü ve Bulanık Mantık Denetimli Bir Anahtarlamalı Relüktans Motorun Asansör Tahrikinde Benzetimi ve Uygulanması**
DURSUN M., ÖZDEN S.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, vol.11, no.2, pp.129-137, 2008 (Peer-Reviewed Journal)
- XXX. **GÜNEŞ ENERJİSİ İLE ÇALIŞAN BİR SULAMA SİSTEMİ İÇİN BOOST KONVERTÖRLÜ ANAHTARLAMALI RELÜKTANS MOTOR SÜRÜCÜSÜ**
DURSUN M., SAYGIN A.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.1, pp.57-65, 2006 (Peer-Reviewed Journal)
- XXXI. **BİR ASANSÖR TAHRİK SİSTEMİ İÇİN BULANIK MANTIK DENETİMLİ ANAHTARLAMALI RELÜKTANS MOTOR SÜRÜCÜSÜ TASARIMI**

- DURSUN M., SAYGIN A.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.12, no.2, pp.151-160, 2006 (Peer-Reviewed Journal)
- XXXII. **Fuzzy logic controlled switched reluctance motor driver designing for a lift system**
DURSUN M., SAYGIN A.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.12, no.2, pp.151-160, 2006 (Peer-Reviewed Journal)
- XXXIII. **A SWITCHED RELUCTANCE MOTOR DRIVER WITH BOOST CONVERTER DESIGNED FOR A PHOTOVOLTAIC ARRAY IRRIGATION SYSTEM**
DURSUN M., SAYGIN A.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Fen Bilimleri Dergisi, vol.22, no.1, pp.57-65, 2006 (Peer-Reviewed Journal)
- XXXIV. **DOĞRUSAL OLMAYAN SİSTEMLER İÇİN BİR SERİ AKTİF GÜÇ FİLTRESİ TASARIMI VE ANALİZİ**
DURSUN M.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.6, no.3, pp.523-530, 2003 (Peer-Reviewed Journal)
- XXXV. **PIC MİKRODENETLEYİCİSİ İLE ANAHTARLAMALI RELÜKTANS MOTORUN SÜRÜLMESİ**
DURSUN M.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.6, no.4, pp.651-659, 2003 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Simulation of Spatial Variability of Organic Matter on the Vineyard Area Using the Model of Artificial Neural Networks**
KARAMAN M. R., DURSUN M., KARKACIER O., ŞAHİN S.
in: Crop Modeling and Decision Support, Weixing Cao, Jeffrey W. White, Enli Wang, Editor, Springer Berlin Heidelberg, pp.299-306, 2010
- II. **Kumanda Teknikleri ve PLC**
çoşkun i., DURSUN M., SAYGIN A.
Atatürk Kız Teknik Anadolu Kız Meslek ve Kız Meslek Lisesi Matba, Ankara, 2008

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of Electrical Vehicles Participation Rate on Time Delayed Load Frequency Control**
SAKA M., DEMİRCİ M., EKE İ., GÖZDE H., DURSUN M., TAPLAMACIOĞLU M. C.
International Conference On Electrical And Electronics Engineering (ICEEE 2023), İstanbul, Turkey, 8 - 10 May 2023
- II. **Dempster Shafer Evidence Theory Application for Fault Diagnosis of Power Transformers**
DEMİRCİ M., SAKA M., GÖZDE H., DURSUN M., TAPLAMACIOĞLU M. C.
2022 9th International Conference on Electrical and Electronics Engineering (ICEEE), Alanya, Turkey, 29 March 2022
- III. **Analysis of Fuel Cell Based Time Delayed Load Frequency Control Having Energy Storage Systems**
SAKA M., DEMİRCİ M., EKE İ., GÖZDE H., DURSUN M., TAPLAMACIOĞLU M. C.
2022 9th International Conference on Electrical and Electronics Engineering (ICEEE), Alanya, Turkey, 29 March 2022
- IV. **A NEW PROTOTYPE DESIGNING OF CNC MACHINE BY USING ADAPTIVE CONTROL**
Dursun M., Tektaş E. P., Özden S.
ECSAC'19 V EUROPEAN CONFERENCE ON SCIENCE, ARTCULTURE, Ankara, Turkey, 28 - 29 September 2019, vol.1, no.1, pp.433-441
- V. **COVID-19 detection by X-Ray images and Deep Learning**

Fedal N. H., DURSUN M.

6th International Conference on Mathematics and Artificial Intelligence, ICMAI 2021, Virtual, Online, China, 19 - 21 March 2021, pp.51-58

- VI. **Speed Control of a DC Motor by Recurrent Fuzzy Logic Control Technique**
Yasar B. Y., DURSUN M.
8th International Conference on Electrical and Electronics Engineering (ICEEE), Antalya, Turkey, 9 - 11 April 2021, pp.104-111
- VII. **Implemetation Study of Parachute Training Simulator**
Aygün C. D., GÖZDE H., DURSUN M., Aygün M. M., TAPLAMACIOĞLU M. C.
ICEEE-2019 6th International Conference on Electrical and Electronics Engineering, İstanbul, Turkey, 16 - 17 April 2019
- VIII. **Implementation Study of Parachute Training Simulator**
Aygün C. D., Gozde H., DURSUN M., Aygun M. M., TAPLAMACIOĞLU M. C.
6th International Conference on Electrical and Electronics Engineering (ICEEE), İstanbul, Turkey, 16 - 17 April 2019, pp.307-311
- IX. **Comparative Parameter Estimation of Single Diode PV-Cell Model by Using Sine-Cosine Algorithm and Whale Optimization Algorithm**
AYDIN Ö., Gozde H., DURSUN M., TAPLAMACIOĞLU M. C.
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- X. **Comparative Analysis of Photovoltaic Array Connection Types For Partial Shadow Conditions**
KÜÇÜK A. O., GÖZDE H., TAPLAMACIOĞLU M. C., DURSUN M.
ICTPE-2018 14th International Conference on Technical and Physical Problems of Electrical Engineering, Nahçıvan, Azerbaijan, 15 - 17 October 2018, pp.168-171
- XI. **Fresnel Lens Focused Solar Cell Performance Comparison for SHE (Solar-Hydroelectric) Systems**
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e international conference on Sensors, Systems, Signals and advanced technologies, (SSS'18), Hammamet, Tunisia, 10 - 12 May 2018
- XII. **Design and Implementation of A Solar Powered Drip Irrigation Systems by using Genetic Algorithm and Artificial Neural Network**
DURSUN M.
ITE'18 2018 international conference on Innovative Trends in Energy, Hammamet, Tunisia, 10 - 12 May 2018
- XIII. **New Innovation Method for Wireless Application for Secure Communication**
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- XIV. **Fresnel Lens-Focused Solar Panel: A New Approach for SHE (Solar-Hydroelectric)**
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ICCAD 2018, Marakesh, 19 - 22 March 2018
- XV. **An Optimized Design and Implementation of A Solar Powered Drip Irrigation Systems by using Genetic Algorithm and Artificial Neural Network**
DURSUN M.
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- XVI. **Double Sided Linear Switched Reluctance Motor Analysis and Modeling Including End-Effect**
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- XVII. **ANN Based Magnetic Field and Inductance Modeling of Double Sided Linear Switched Reluctance Motor**
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- XVIII. Deadbeat Control of a DC Servo Motor at Low Speed**
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- XIX. Modular Design and Implementation of The Inverter for BLDC Applications and Controller By Using Arduino**
ÖZDEN S., MANAV G., DURSUN M.
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- XX. Analysis and Performance Comparison of DC-DC Power Converters Used in Photovoltaic Systems**
DURSUN M., GÖRGÜN A.
4th International Conference on Electrical and Electronic Engineering (ICEEE), Ankara, Turkey, 8 - 10 April 2017, pp.113-119
- XXI. Compatible HEPP Selection Algorithm for SHE (Solar-Hydroelectric) Systems in TURKEY**
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International Symposium on Computer Science and Intelligent Controls (ISCSIC), Budapest, Hungary, 20 - 22 October 2017, pp.27-32
- XXII. Artificial Neural Network Based Real Time Speed Control of a Linear Tubular Permanent Magnet Direct Current Motor**
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- XXIII. A CASE STUDY OF SHE SOLAR HYDROELECTRIC IN TURKEY**
DURSUN M., Saltuk F.
International Science and Technology Conference, Viyana, Austria, 13 - 15 July 2016
- XXIV. GA Based Adaptive Velocity Control of Linear Switched Reluctance Motor under Different Load and Velocity Profiles for Industrial Application**
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- XXV. İNSANSIZ BİR HAVA ARACI MODELİNİN ÜÇ BOYUTLU TASARIMI ANALİZİ VE SİMÜLASYONU**
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- XXVI. DESING MODELING AND FLIGHT CONTROL OF AN PASSANGER AIRCRAFT Keynote Speech**
DURSUN M.
2015 5th International Conference on Circuits, System and Simulation (ICCSS 2015) 2015 2nd International Conference on Robotics and Mechatronics (ICROM 2015), 20 - 23 July 2015
- XXVII. The Aspects Reasons and Outcomes of an Unmanned Air Vehicle Crash Caused By Engine Failure**
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- XXVIII. Comparative Study by PID and Fuzzy Logic Control Methods For Flighting Parameters**
DURSUN M., AKSÖZ A., SAYGIN A.
APCAT 2015, jeju, South Korea, 20 - 23 May 2015, pp.1-11
- XXIX. A COMPARATIVE STUDY BY PID AND FUZZY LOGIC CONTROL METHODS FOR FLIGHT PARAMETERS Keynote Speech**
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The 8th Asian-Pacific Conference on Aerospace Technology and Science Jeju Island, Korea, 20 - 23 May 2015
- XXX. DYNAMICS PARAMETER GRAPHS OF PASSENGER PLANES**
AKSÖZ A., DURSUN M., SAYGIN A.

The 8th Asian-Pacific Conference on Aerospace Technology and Science, Jeju Island, South Korea, 20 - 23 May 2015

- XXXI. **The Design of Humanoid Robot Using C Interface on Bluetooth Communication**
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- XXXII. **The Implementation of Controlled Humanoid Robot with Android**
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- XXXIII. **Feedback Linearization Control of an H Bridge Multi Level inverter**
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- XXXIV. **Unmanned Air Vehicle System s Data Links**
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- XXXV. **Fuzzy Logic Control of Linear Switched Reluctance Motor**
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- XXXVI. **A HPA Application for Greenhouse Temperature Control System**
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- XXXVII. **A HPA Application for Greenhouse Temperature Control System Invited Paper**
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- XXXVIII. **A low cost velocity control of double sided LSRM by sliding mode control and PIC18F452**
Zaafrane W., DURSUN M., Rehaoulia H.
10th System of Systems Engineering Conference (SoSE), San-Antonio, Northern Mariana Islands, 17 - 20 May 2015, pp.340-345
- XXXIX. **LİNEER ANAHTARLAMALI RELÜKTANS MOTORLA ASANSÖR TAHRİKİ**
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- XL. **A New Design of Single Side Brushless Direct Current Linear Motor**
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- XLI. **A Design and Automation with PLC of A Solar System and Test Results**
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- XLII. **Simulation of Velocity Control of Linear Switched Reluctance Motor**
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- XLIII. **Design of Monitoring System for Linear Switched Reluctance Motor with Quadrature Encoder and Current Sensors**
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- XLIV. **Application of solar powered automatic water pumping in Turkey**
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- XLV. SIMULATION OF VELOCITY CONTROL OF LINEAR SWITCHED RELUCTANCE MOTOR**
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- XLVI. REMOTE MONITORING AND CONTROL OF PV POWERED DRIP IRRIGATION SYSTEM WITH SOIL MOISTURE SENSORS**
Ozden S., DURSUN M.
3rd International Conference on Computer Engineering and Technology (IC CET 2011), Kuala-Lumpur, Malaysia, 17 - 19 June 2011, pp.239-244
- XLVII. A prototype of PC based remote control of irrigation**
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- XLVIII. Determination of geometric dimensions of a double sided linear switched reluctance motor**
DURSUN M., KOÇ ÖZDEN F., ÖZBAY H.
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- XLIX. LİNEER MOTORLU BİR ASANSÖR KAPI TAHRİK SİSTEMİ**
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- L. Fuzzy Logic Controlled Matrix Converter Based Speed Control of Induction Motor**
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- LI. TRAFİK AKIŞI İZLENEBİLEN BİR ASANSÖR SİSTEMİNİN BENZETİMİ**
DURSUN M., Ünal S. Ş.
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- LII. Dspace 1103 Kartı kullanılarak Matris Konverter ile Asenkron Motor Hızının Denetlenmesi**
COŞKUN İ., DURSUN M., SAYGIN A.
2007 FIGES Conference for Computer Aided Engineering and System Modeling, Antalya, Turkey, 12 - 14 November 2007, pp.1-9
- LIII. Endüstriyel Elektronik Tesis ve Bakım Onarım Elemanı Meslek Standardı Gelistirilmesi**
SÖNMEZ Y., BATTALOĞLU H., DURSUN M., YILMAZ C., SAYGIN A.
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- LIV. Elektrik Pano Montörü Meslek Standardı Geliştirilmesi**
BİROĞUL S., DURSUN M., BATTALOĞLU H., YILMAZ C., SAYGIN A.
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- LV. BOBİNAJCI MESLEK STANDARDI GELİŞTİRİLMESİ**
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- LVI. Bobinajcı Meslek Standardı Geliştirilmesi**
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UMES-2007 Ulusal Teknik Eğitim, Mühendislik ve Eğitim Bilimleri Genç Araştırmacılar Sempozyumu, Kocaeli, Turkey, 20 - 22 June 2007, pp.268-271
- LVII. Güvenlik Sistemleri Meslek Standardı Geliştirme Üzerine Bir Çalışma**
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- LVIII. Teknolojik Gelişmelere Dayalı Elektrik Tesisatçılığı Analizi ve Meslek Standardı Üzerine Bir Çalışma**
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LIX. Eğitim Amaçlı Bir Asansör Sisteminin Benzetimi

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BMYS-2005 Bilimde Modern Yöntemler Sempozyumu, Kocaeli, Turkey, 16 - 18 November 2005, pp.579-586

LXI. GÜNEŞ ENERJİLİ BİR SULAMA SİSTEMİNDE BOOST KONVERTERDEN BESLENEN ARM SÜRÜCÜ SİSTEMİNİN ANALİZİ

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3rd Renewable Energy Sources Symposium, Mersin, Mersin, Turkey, 01 January 2005

LXII. System Analysis of switched reluctance motor driver with boost converter for a photovoltaic array irrigation system

DURSUN M., SAYGIN A.

3rd Renewable Energy Sources Symposium, 1 - 02 January 2005

LXIII. An SRM Application to Centrifugal Pump System Technical Physical Problem in Power Engineering Tebriz İran 2004

DURSUN M.

Technical Physical Problem in Power Engineering, Tebriz, Iran, 06 September 2003 - 08 January 2004

LXIV. Adaptive position controller for double armature brushless dc linear motor

DEMİRCİ R., DURSUN M.

ICEM,2000 International conference on electrical machines, Espoo, Finland, 28 - 30 August 2000, pp.1066-1069

Expert Reports

I. İOT TABANLI DÜŞÜK MALİYETLİ AKILLI SULAMA SİSTEMİ TASARIMI, GELİŞTİRİLMESİ VE TESTLERİ

DURSUN M.

2017

II. HAREKET KONTROL SİSTEMLERİ İÇİN SERVO MOTOR, SÜRÜCÜ, ALGILAYICI VE YAZILIM GELİŞTİRİLMESİ

DURSUN M.

2017

III. ENERJİ YÖNETİMLİ WLAN İNTERNET ERİŞİMLİ GRUP PRİZ GELİŞTİRİLMESİ

DURSUN M.

2017

IV. TOPRAK NEM SENSÖRÜ DESTEKLİ OTOMATİK PİVOT SULAMA SİSTEMİ

DURSUN M.

2017

V. BİRİNCİL OLARAK GÜNEŞ ENERJİSİ KULLANAN, ELEKTRİK ENERJİSİ İLE HİBRİT ÇALIŞABİLEN, UZAKTAN VERİ GÖNDEREBİLEN VE YERLİ ÜRETİMİ OLMAYAN ASANSÖR TASARIMI

DURSUN M.

2017

VI. HARMONIC SIMULATION AND INSTRUMENT DESIGN WITH PIC MICROCONTROLLER

DURSUN M.

2015

Supported Projects

DUR SUN M., Project Supported by Higher Education Institutions, Adaptif Kontrollü Bir CNC Makinesinin Prototipinin Geliştirilmesi, 2017 - 2021

DUR SUN M., Project Supported by Higher Education Institutions, Adaftif Kontrollü Bir CNC Tasarımı, 2017 - 2019

DUR SUN M., Project Supported by Higher Education Institutions, SHE(Solar-Hidroelektrik) Sistemine Uyumlu Fresnel Lens Odaklayıcı Panel Prototipi Tasarımı ve Performans Karşılaştırması, 2017 - 2019

DUR SUN M., Project Supported by Other Private Institutions, Asansörler için 4 kW Anahtarlamalı Relüktans Motor ile Sürücüsünün Tasarımı ve Test Edilmesi, 2016 - 2016

SAYGIN A., DUR SUN M., Project Supported by Higher Education Institutions, Hibrid (PV-Rüzgar) Enerji Üretim Sistemi ve Kontrolü, 2011 - 2014

SAYGIN A., DUR SUN M., Project Supported by Higher Education Institutions, Güneş Enerji Sisteminin PLC ile Otomasyonu, 2011 - 2014

DUR SUN M., SAYGIN A., Project Supported by Higher Education Institutions, Lineer Fırçasız Doğru Akım Motor Tasarımı, 2011 - 2014

SAYGIN A., DUR SUN M., Project Supported by Higher Education Institutions, Mekatronikte PLC Uygulamaları, 2011 - 2012

DUR SUN M., Industrial Thesis Project, Model Meyve Yetiştiriciliğinde Akıllı Damla Sulama Sistemi Tasarımı, 2008 - 2012

DUR SUN M., Project Supported by Higher Education Institutions, Güneş Enerjili Aracın Optimum Tasarımı ve Üretimi, 2011 - 2011

SAYGIN A., DUR SUN M., Industrial Thesis Project, Lineer Anahtarlamalı Relüktans Motor Tasarımı, 2010 - 2011

DUR SUN M., Project Supported by Higher Education Institutions, Güneş Enerjili Bir Aracın Optimum Tasarımı ve imalatı, 2009 - 2011

DUR SUN M., Industrial Thesis Project, Modern Meyvecilikte Bodur Kiraz Güneş Enerjili Akıllı Damla Sulama Sistemi Tasarımı, 2008 - 2011

DUR SUN M., Project Supported by Higher Education Institutions, Güneş Enerjisi Destekli Anahtarlamalı Relüktans Motorla Çalışan Bir Engelli Aracı tasarımı, 2006 - 2008

DUR SUN M., Project Supported by Higher Education Institutions, Güneş Enerjisi ile Çalışan Bir Sulama Sisteminin Tasarımı ve Uygulaması, 2004 - 2006

DUR SUN M., SAYGIN A., Project Supported by Higher Education Institutions, Bulanık Mantık Denetimli ve Anahtarlamalı Relüktans Motorlu Bir Asansör Sistemi Tasarımı, 2003 - 2005

Activities in Scientific Journals

Bilişim Teknolojileri Dergisi, Committee Member, 2021 - Continues

Memberships / Tasks in Scientific Organizations

IACSIT, Member, 2013 - Continues, Turkey

ICEEE Internation Conference on Electrical and Electronics Engineering, Chairman, 2013 - Continues, Turkey

Scientific Consultations

AKSÖZ MAKİNA/ODTÜ TEKNOKENT, Project Consultancy, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, Turkey, 2020 - Continues

Tasks In Event Organizations

Dursun M., 8th International Conference on Electrical and Electronics Engineering,ICEEE, 9-11 April 2021 , Antalya, Turkey, Scientific Congress, Antalya, Turkey, Nisan 2021

Dursun M., Birbir Y., Erdal H., Taplamacıoğlu M. C., Sevri M., 7th International Conference on Electrical and Electronics

Engineering,ICEEE, 14-16 April 2020 , Antalya, Turkey, Scientific Congress, Antalya, Turkey, Nisan 2020

Dursun M., 6nd International Conference on Computer and Information Technology, 14-16 April 2020, Antalya, Turkey, Scientific Congress, Antalya, Turkey, Nisan 2020

Dursun M., 5nd International Conference on Computer and Information Technology, 16-17 April 2019, İstanbul, Turkey, Scientific Congress, İstanbul, Turkey, Mayıs 2019

Dursun M., 6th International Conference on Electrical and Electronics Engineering,ICEEE, 16-17 April 2019 , İstanbul, Turkey, Scientific Congress, İstanbul, Turkey, Nisan 2019

Dursun M., 5th Internatio5 th Conference on Electrical and Electronics Engineering,ICEEE, 3-5 Mayıs 2018, İstanbul, Turkey, Scientific Congress, İstanbul, Turkey, Mayıs 2018

Dursun M., 4nd International Conference on Computer and Information Technology, 3-5 Mayıs 2018, İstanbul, Turkey, Scientific Congress, İstanbul, Turkey, Mayıs 2018

Dursun M., 3nd International Conference on Computer and Information Technology, 12-14 April 2017, Kuşadası, Turkey, Scientific Congress, Aydın, Turkey, Nisan 2017

Dursun M., 4th International Conference on Electrical and Electronics Engineering,ICEEE, 8-10 April 2017, Ankara, Turkey, Scientific Congress, Ankara, Turkey, Nisan 2017

Dursun M., 2nd International Conference on Computer and Information Technology (ICCIT 2016), 12-14 April 2015,İstanbul, Turkey, Scientific Congress, İstanbul, Turkey, Nisan 2016

Dursun M., 3th International Conference on Electrical and Electronics Engineering, ICEEE, 12-14 April 2016,İstanbul, Turkey, Scientific Congress, İstanbul, Turkey, Nisan 2016

Dursun M., 2nd International Conference on Automatic Control (ICOAC 2015), Scientific Congress, Ankara, Turkey, Nisan 2015

Dursun M., 2 st International Conference on Electrical and Electronics Engineering (ICEEE 2015), , Scientific Congress, Ankara, Turkey, Nisan 2015

Dursun M., 3rd International Conference on Traffic and Logistic Engineering(ICTLE 2014), 21-23 April, 2014,Antalya, Turkey, Scientific Congress, Antalya, Turkey, Nisan 2014

Dursun M., Euro-Asia Conference on Computational Intelligence and Communication Networks (EACCI 2014), 21-23 April, 2014,Antalya, Turkey, Scientific Congress, Antalya, Turkey, Nisan 2014

Dursun M., 3rd International Conference on Fluid Dynamics and Thermodynamics Technologies (FDTT 2014), 21-23 April, 2014,Antalya, Turkey, Scientific Congress, Antalya, Turkey, Nisan 2014

Dursun M., International Conference on Electrical and Electronics Engineering (ICEEE 2014), 21-23 April, 2014,Antalya, Turkey, Scientific Congress, Antalya, Turkey, Nisan 2014

Dursun M., 2nd International Conference on Automatic Control (ICOAC 2015), 10-12 April 2015, Ankara, Turkey, Scientific Congress, Ankara, Turkey, Nisan 2014

Dursun M., International Conference on Transportationand Logistisc,(ICTLE 2013), Scientific Congress, İstanbul, Turkey, Mart 2013

Dursun M., ICEOS International Conference on OptoElectronicsSystems, 22-24 March, 2013, İstanbul, Turkey , Scientific Congress, İstanbul, Turkey, Mart 2013

Dursun M., Euro-Asia Conference on Computational Intelligence and Communication Networks (EACCI 2013), Scientific Congress, İstanbul, Turkey, Mart 2013

Dursun M., 2nd International Conference on Fluid Dynamics and Thermodynamics Technologies (FDTT), Scientific Congress, İstanbul, Turkey, Mart 2013

Metrics

Publication: 121

Citation (WoS): 161

Citation (Scopus): 214

H-Index (WoS): 7

H-Index (Scopus): 8

Congress and Symposium Activities

IEEE-2018 International Conference on Control, Automation and Diagnosis (ICCAD'18), Invited Speaker, Marrakush, Morocco, 2018

2015 2nd International Conference on Robotics and Mechatronics (ICROM 2015), Invited Speaker, Madrid, Spain, 2015

8th Asian-Pacific Conference on Aerospace Technology and Science Jeju Island, Korea, Invited Speaker, Jeju-Si, South Korea, 2015

Awards

Dursun M., Koç Özden F., Sanayi Odaklı Tezler Yarışıyor, Gazi Üniversitesi Tto/Gazi Teknopark/Halkbanısı/Sanayi Bakanlığı, December 2014

Dursun M., Özden S., Sanayi Odaklı Tez Yarışması, Gazi Üniversitesi/Halkbank/Sanayi Bakanlığı, December 2014

Dursun M., SIMULATION OF VELOCITY CONTROL OF LINEAR SWITCHED RELUCTANCE MOTOR, 3Rd International Conference On Computer Engineering And Technology (Iccet 2011), , June 2011

Dursun M., A prototype of PC based remote control of irrigation, Asr, July 2010

Non Academic Experience

Organized industrial Zone, ELEKON, ARGE

Organized industrial Zone, Aksöz Makina, ARGE

TUBITAK, Stratejik ve Öncelikli Alanlar

Technology Development Zone, Robitek Enerji Otomasyon ve İmalat Sistemler LTD ŞTİ, Yönetim Kurulu Üyesi ARGE

TÜBİTAK

ELOTEK

Merih Asansör

Gazi Üniversitesi

Technology Development Zone, EMSA Otomasyon, Yenilenebilir Enerji ve Elektrik MakinalarınınTasarımı

ELEKON ENERJİ

ROBİTEK

ARGE

Southern University and A&M CollegeDepartment of Computer Science , Baton Rouge, LA

Gazi Üniversitesi

Gazi Üniversitesi

Gazi Üniversitesi