

Prof.Dr. AHMET MASUM HAVA

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, University Of Wisconsin-Madison, Electrical Engineering/ Electrical And Computer Engineering Department, Amerika Birleşik Devletleri 1991 - 1998

Yüksek Lisans, University Of Wisconsin-Madison, Electrical Engineering/ Electrical And Computer Engineering Department, Amerika Birleşik Devletleri 1988 - 1991

Lisans, İstanbul Teknik Üniversitesi, Elektrik Fakültesi, Enerji Pr., Türkiye 1982 - 1987

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Yüksek Lisans, A New Type of Converter For The Switched Reluctance Machines, University Of Wisconsin-Madison, Electrical Engineering/ Electrical And Computer Engineering Department, 1998

Doktora, Carrier Based PWM-VSI Drives In The Overmodulation Region, University Of Wisconsin-Madison, Electrical Engineering/ Electrical And Computer Engineering Department, 1998

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2015 - Devam Ediyor

Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2011 - 2015

Yrd.Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2002 - 2011

Yönetilen Tezler

Hava A. M. , Performance evaluation and comparison of low voltage grid-tied three-phase AC/DC converter configurations with SiI and SiC semiconductor switches, Yüksek Lisans, O.ÖZTOPRAK(Öğrenci), 2019

Hava A. M. , High performance current control methods for voltage source converters with saturable inductors, Doktora, Z.ÖZKAN(Öğrenci), 2019

HAVA A. M. , Investigation of modular multilevel converter control methods, Yüksek Lisans, F.ERTÜRK(Öğrenci), 2015

HAVA A. M. , Switch mode converter based damping of PWM converter with LCL type filter for grid interface of

renewable energy systems, Yüksek Lisans, S.NADİR(Öğrenci), 2014

HAVA A. M. , Design and implementation of a 200W microinverter for grid connected energy conversion system, Yüksek Lisans, S.KAVURUCU(Öğrenci), 2014

HAVA A. M. , F-L-N parameter based power density optimized design and implementation of a digitally controlled 1-kW interleaved DC-DC step down converter, Yüksek Lisans, İ.ŞAHİN(Öğrenci), 2014

HAVA A. M. , Design and control of PWM converter with LCL type filter for grid interface of renewable energy systems, Yüksek Lisans, E.KANTAR(Öğrenci), 2014

HAVA A. M. , Selection of suitable PWM switching and control methods for modular multilevel converter drives, Yüksek Lisans, B.ÇİFTÇİ(Öğrenci), 2014

HAVA A. M. , Design, application and comparison of single stage Flyback and SEPIC PFC AC/DC converters for power led lighting application, Yüksek Lisans, H.YILMAZ(Öğrenci), 2012

HAVA A. M. , The design, control, and performance analysis of ac motor drives with front end diode rectifier utilizing low capacitance dc bus capacitor and comparison with conventional drives, Yüksek Lisans, V.VOLKAN(Öğrenci), 2012

HAVA A. M. , Leakage current and energy efficiency analyses of single phase grid connected multi-kva transformerless photovoltaic inverters, Yüksek Lisans, Z.ÖZKAN(Öğrenci), 2012

HAVA A. M. , Investigation of DC bus current harmonics in two and three level three-phase inverters, Yüksek Lisans, U.AYHAN(Öğrenci), 2012

HAVA A. M. , Design and implementation of advanced pulse width modulation techniques and passive filters for voltage source inverter driven three-phase AC motors, Yüksek Lisans, N.ONUR(Öğrenci), 2010

HAVA A. M. , Design and implementation of an ultracapacitor test system, Yüksek Lisans, H.HÜSEYİN(Öğrenci), 2010

HAVA A. M. , Shaft transducerless vector control of the interior permanent magnet motor with speed and position estimation using high frequency signal injection and flux observer methods, Yüksek Lisans, Ö.GÖKSU(Öğrenci), 2008

HAVA A. M. , Design of an educational purpose multifunctional DC/DC converter board, Yüksek Lisans, F.ONUR(Öğrenci), 2008

HAVA A. M. , Design, implementation, and control of a two ? stage AC/DC isolated power supply with high input power factor and high efficiency, Yüksek Lisans, M.CAN(Öğrenci), 2008

HAVA A. M. , Parallel active filter design, control, and implementation, Yüksek Lisans, H.ÖZKAYA(Öğrenci), 2007

HAVA A. M. , Series active filter design, control, and implementation with a novel load voltage harmonic extraction method, Yüksek Lisans, O.SELÇUK(Öğrenci), 2007

HAVA A. M. , Common mode voltage and current reduction in voltage source inverter driven three phase ac motors, Yüksek Lisans, E.ÜN(Öğrenci), 2007

HAVA A. M. , Analysis, design, and implementation of a 5 kW zero voltage switching phase-shifted full-bridge DC/DC converter based power supply for arc welding machines, Yüksek Lisans, M.USLU(Öğrenci), 2006

HAVA A. M. , Repetitive control of a three-phase uninterruptible power supply with isolation transformer, Yüksek Lisans, S.ÇETİNKAYA(Öğrenci), 2006

HAVA A. M. , Output voltage control of a four-leg inverter based three-phase UPS by means of stationary frame resonant filter banks, Yüksek Lisans, E.DEMİRKUTLU(Öğrenci), 2006

HAVA A. M. , Analysis, design, and implementation of a two-switch single phase electronic line voltage regulator, Yüksek Lisans, B.ŞİMŞİR(Öğrenci), 2005

HAVA A. M. , A novel two-parameter modulation and neutral point potential control method for the three-level neutral point clamped inverter, Yüksek Lisans, B.ÜSTÜNTEPE(Öğrenci), 2005

HAVA A. M. , Lowpass broadband harmonic filter design, Yüksek Lisans, H.ZUBİ(Öğrenci), 2005

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **Inductor Saturation Compensation With Resistive Decoupling for Single-Phase Controlled VSC Systems**
ÖZKAN Z., HAVA A. M.
IEEE TRANSACTIONS ON POWER ELECTRONICS, cilt.35, ss.1993-2007, 2020 (SCI İndekslerine Giren Dergi)
- **Current control of single-phase VSC systems with inductor saturation using inverse dynamic model-**

based compensation

Ozkan Z., HAVA A. M.

IEEE Transactions on Industrial Electronics, cilt.66, ss.9268-9277, 2019 (SCI İndekslerine Giren Dergi)

Optimal Design of Grid-Connected Voltage-Source Converters Considering Cost and Operating Factors

Kantar E., HAVA A. M.

IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, cilt.63, ss.5336-5347, 2016 (SCI İndekslerine Giren Dergi)

Classification of Grid Connected Transformer less PV Inverters with a Focus on the Leakage Current Characteristics and Extension of Topology Families

Ozkan Z., HAVA A. M.

JOURNAL OF POWER ELECTRONICS, cilt.15, ss.256-267, 2015 (SCI İndekslerine Giren Dergi)

Common-Mode Voltage Reduction Pulsewidth Modulation Techniques for Three-Phase Grid-Connected Converters

Hou C., Shih C., Cheng P., HAVA A. M.

IEEE TRANSACTIONS ON POWER ELECTRONICS, cilt.28, ss.1971-1979, 2013 (SCI İndekslerine Giren Dergi)

Control, design, and implementation of a low-cost ultracapacitor test system

Eroglu H. H. , HAVA A. M.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.21, ss.630-648, 2013 (SCI İndekslerine Giren Dergi)

A Simple Sag Generator Using SSRs

Senturk O. S. , HAVA A. M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, cilt.48, ss.172-180, 2012 (SCI İndekslerine Giren Dergi)

Compatibility Issues Between the Filter and PWM Unit in Three-Phase AC Motor Drives Utilizing the Pure Sine Filter Configuration

Cetin N. O. , HAVA A. M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, cilt.47, ss.2559-2569, 2011 (SCI İndekslerine Giren Dergi)

Performance Enhancement of the Single-Phase Series Active Filter by Employing the Load Voltage Waveform Reconstruction and Line Current Sampling Delay Reduction Methods

Senturk O. S. , HAVA A. M.

IEEE TRANSACTIONS ON POWER ELECTRONICS, cilt.26, ss.2210-2220, 2011 (SCI İndekslerine Giren Dergi)

A High-Performance PWM Algorithm for Common-Mode Voltage Reduction in Three-Phase Voltage Source Inverters

HAVA A. M. , Un E.

IEEE TRANSACTIONS ON POWER ELECTRONICS, cilt.26, ss.1998-2008, 2011 (SCI İndekslerine Giren Dergi)

A Generalized Scalar PWM Approach With Easy Implementation Features for Three-Phase, Three-Wire Voltage-Source Inverters

HAVA A. M. , Cetin N. O.

IEEE TRANSACTIONS ON POWER ELECTRONICS, cilt.26, ss.1385-1395, 2011 (SCI İndekslerine Giren Dergi)

Experimental investigation of shaft transducerless speed and position control of ac induction and interior permanent magnet motors

Goksu O., HAVA A. M.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.18, ss.865-882, 2010 (SCI İndekslerine Giren Dergi)

High-Performance Harmonic Isolation and Load Voltage Regulation of the Three-Phase Series Active Filter Utilizing the Waveform Reconstruction Method

Senturk O. S. , HAVA A. M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, cilt.45, ss.2030-2038, 2009 (SCI İndekslerine Giren Dergi)

Performance Characteristics of the Reduced Common Mode Voltage Near State PWM Method

Un E., HAVA A. M.

EPE JOURNAL, cilt.19, ss.41-49, 2009 (SCI İndekslerine Giren Dergi)

A Scalar Resonant-Filter-Bank-Based Output-Voltage Control Method and a Scalar Minimum-

Switching-Loss Discontinuous PWM Method for the Four-Leg-Inverter-Based Three-Phase Four-Wire Power Supply

Demirkutlu E., HAVA A. M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, cilt.45, ss.982-991, 2009 (SCI İndekslerine Giren Dergi)

A Near-State PWM Method With Reduced Switching Losses and Reduced Common-Mode Voltage for Three-Phase Voltage Source Inverters

Uen E., HAVA A. M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, cilt.45, ss.782-793, 2009 (SCI İndekslerine Giren Dergi)

Performance Analysis of Reduced Common-Mode Voltage PWM Methods and Comparison With Standard PWM Methods for Three-Phase Voltage-Source Inverters

HAVA A. M., Un E.

IEEE TRANSACTIONS ON POWER ELECTRONICS, cilt.24, ss.241-252, 2009 (SCI İndekslerine Giren Dergi)

A novel neutral point potential stabilization technique using the information of output current polarities and voltage vector

Yamanaka K., Hava A., Kirino H., Tanaka Y., Koga N., Kume T.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, cilt.38, ss.1572-1580, 2002 (SCI İndekslerine Giren Dergi)

The matrix converter drive performance under abnormal input voltage conditions

Kang J., Hara H., Hava A., Yamamoto E., Watanabe E., Kume T.

IEEE TRANSACTIONS ON POWER ELECTRONICS, cilt.17, ss.721-730, 2002 (SCI İndekslerine Giren Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

Evaluation of Grid-Connected PV Converter Power Module Technologies in Terms of Efficiency, Initial Cost, and Return on Investment Time

Oztoprak O., HAVA A. M.

21st European Conference on Power Electronics and Applications (EPE ECCE Europe), Genoa, İtalya, 3 - 05 Eylül 2019

Comparative Power Loss Analysis of DCM Flyback Transformer Based on FEA, Numeric Simulation, Calculation and Measurements

Onay H., Suel V., Ozgen T., Hava A. M.

21st European Conference on Power Electronics and Applications (EPE ECCE Europe), Genoa, İtalya, 3 - 05 Eylül 2019

A Basic Power Electronic Laboratory Experiment Allowing Comprehensive and Structured Learning: Multi-Phase Capacitive Loaded Full-Bridge Rectifier

Oztoprak O., HAVA A. M.

18th IEEE International Power Electronics and Motion Control Conference (IEEE PEMC), Budapest, Macaristan, 26 - 30 Ağustos 2018, ss.881-887

LCL-Filter Design for Low-Voltage High-Power Grid-Tied Voltage-Source Converter Considering Various Damping Methods

Kantar E., HAVA A. M.

17th IEEE Workshop on Control and Modeling for Power Electronics (COMPEL), Trondheim, Norveç, 27 - 30 Haziran 2016

Performance Evaluation and Selection of PWM Switching and Control Methods for Grid Connected Modular Multilevel Converters

Ciftci B., HAVA A. M.

IEEE Energy Conversion Congress and Exposition, Montreal, Kanada, 20 - 24 Eylül 2015, ss.3622-3629

DC-Bus Ripple Current Characterization of Three-Phase 2/3L-VSIs Considering the Spectral Characteristics

Ozkan Z., HAVA A. M.

9th International Conference on Power Electronics / Energy Conversion Congress and Exposition Asia (ICPE-ECCE

● Asia), Seoul, Güney Kore, 1 - 05 Haziran 2015, ss.667-674

Output Ripple Performance Evaluation and Comparison of 2L-VSI and 3L-VSI Considering the Spectral Characteristics

Ozkan Z., HAVA A. M.

9th International Conference on Power Electronics and ECCE Asia (ICPE-ECCE Asia), Seoul, Güney Kore, 1 - 05 Haziran 2015, ss.397-404

● **A Detailed Power Loss Analysis of Modular Multilevel Converter**

Erturk F., HAVA A. M.

30th Annual IEEE Applied Power Electronics Conference and Exposition (APEC), Charlottetown, Kanada, 15 - 19 Mart 2015, ss.1658-1665

● **Performance Analysis, Filter Component Sizing, and Controller Structure Selection of Small Capacitor Diode Rectifier Front End Inverter Drives**

Aban V. V. , HAVA A. M.

16th International Power Electronics and Motion Control Conference and Exposition (PEMC), Antalya, Türkiye, 21 - 24 Eylül 2014, ss.745-750

● **Investigation on Series Active Filter Compensated High Power Grid-Connected Voltage Source Inverters with LCL Filter**

Usluer S. N. , HAVA A. M.

IEEE Energy Conversion Congress and Exposition (ECCE), Pennsylvania, Amerika Birleşik Devletleri, 14 - 18 Eylül 2014, ss.381-388

● **Performance Evaluation and Comparison of Single-Phase and Two-Phase Interleaving Flyback Micro-Inverters for Grid Connected PV Systems**

Kavurucu S., HAVA A. M.

IEEE 23rd International Symposium on Industrial Electronics (ISIE), İstanbul, Türkiye, 1 - 04 Haziran 2014, ss.620-625

● **Series Active Filter Based Resonance Damping of High Power Three-phase, LCL Filtered, Grid Connected Voltage Source Inverters**

Usluer S. N. , HAVA A. M.

IEEE 23rd International Symposium on Industrial Electronics (ISIE), İstanbul, Türkiye, 1 - 04 Haziran 2014, ss.643-648

● **Design and Implementation of a 800W Step Down Converter with Optimized F-L-N Parameters**

ŞAHİN İ., HAVA A. M.

IEEE 23rd International Symposium on Industrial Electronics (ISIE), İstanbul, Türkiye, 1 - 04 Haziran 2014, ss.2093-2098

● **Selection of Suitable Carrier-Based PWM Method for Modular Multilevel Converter**

Ciftci B., Erturk F., HAVA A. M.

International Power Electronics Conference (IPEC-ECCE-ASIA), Hiroshima, Japonya, 18 - 21 Mayıs 2014, ss.3734-3741

● **Three-Phase Inverter Topologies for Grid-Connected Photovoltaic Systems**

Ozkan Z., HAVA A. M.

International Power Electronics Conference (IPEC-ECCE-ASIA), Hiroshima, Japonya, 18 - 21 Mayıs 2014, ss.498-505

● **Design of Grid Connected PWM Converters Considering Topology and PWM Methods for Low-Voltage Renewable Energy Applications**

Kantar E., HAVA A. M.

International Power Electronics Conference (IPEC-ECCE-ASIA), Hiroshima, Japonya, 18 - 21 Mayıs 2014, ss.2034-2041

● **Volume and Efficiency Optimization of a Step-down DC/DC Converter Based on F-L-N Parameters**

ŞAHİN İ., HAVA A. M.

8th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 28 - 30 Kasım 2013, ss.288-292

● **Control Strategies for Grid Connected PWM-VSI Systems**

Kantar E., Usluer S. N., HAVA A. M.

8th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 28 - 30 Kasım 2013, ss.220-224

● **Waveform Quality Comparison of Scalar PWM Methods for Modular Multilevel Converters**

Ciftci B., HAVA A. M.

8th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 28 - 30 Kasım 2013, ss.152-156

● **Design and Performance Analysis of a Grid Connected PWM-VSI System**

Kantar E., Usluer S. N., HAVA A. M.

8th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 28 - 30 Kasım 2013, ss.157-161

● **Energy Conversion Efficiency of Single-Phase Transformerless PV Inverters**

Ozkan Z., HAVA A. M.

8th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 28 - 30 Kasım 2013, ss.283-287

● **Topology and PWM Method Dependency of High Frequency Leakage Current Characteristics of Voltage Source Inverter Driven AC Motor Drives**

Cetin N. O., HAVA A. M.

IEEE Energy Conversion Congress and Exposition (ECCE), North-Carolina, Amerika Birleşik Devletleri, 15 - 20 Eylül 2012, ss.3430-3437

● **A Survey and Extension of High Efficiency Grid Connected Transformerless Solar Inverters with Focus on Leakage Current Characteristics**

Ozkan Z., HAVA A. M.

IEEE Energy Conversion Congress and Exposition (ECCE), North-Carolina, Amerika Birleşik Devletleri, 15 - 20 Eylül 2012, ss.3453-3460

● **A DC Bus Capacitor Design Method for Various Inverter Applications**

HAVA A. M., Ayhan U., Aban V. V.

IEEE Energy Conversion Congress and Exposition (ECCE), North-Carolina, Amerika Birleşik Devletleri, 15 - 20 Eylül 2012, ss.4592-4599

● **Analysis and Characterization of DC Bus Ripple Current of Two-Level Inverters Using The Equivalent Centered Harmonic Approach**

Ayhan U., HAVA A. M.

IEEE Energy Conversion Congress and Exposition (ECCE), Arizona, Amerika Birleşik Devletleri, 17 - 22 Eylül 2011, ss.3830-3837

● **Leakage Current Analysis of Grid Connected Transformerless Solar Inverters with Zero Vector Isolation**

Ozkan Z., HAVA A. M.

IEEE Energy Conversion Congress and Exposition (ECCE), Arizona, Amerika Birleşik Devletleri, 17 - 22 Eylül 2011, ss.2460-2466

● **Environment-friendly Uninterruptible Power Supply (UPS) Systems**

Gunes I., Ustuntepe B., Islek M., Ece N., HAVA A. M.

International Exhibition and Conference for Power Electronics, Intelligent Motion and Power Quality (PCIM Europe 2010), Nuremberg, Almanya, 4 - 06 Mayıs 2010, ss.806-811

● **High Performance Harmonic Isolation By Means of The Single-phase Series Active Filter Employing The Waveform Reconstruction Method**

Senturk O. S., HAVA A. M.

IEEE Energy Conversion Congress and Exposition, San-Jose, Kostarika, 20 - 24 Eylül 2009, ss.1383-1384

● **On the Contribution of PWM Methods to the Common Mode (Leakage) Current in Conventional Three-phase Two-level Inverters as Applied to AC Motor Drives**

HAVA A. M., Cetin N. O., Uen E.

- IEEE Industry-Applications-Society Annual Meeting, Alberta, Kanada, 5 - 09 Ekim 2008, ss.146-153
High Performance Harmonic Isolation and Load Voltage Regulation of the Three-Phase Series Active Filter Utilizing the Waveform Reconstruction Method
 Sentuerk O. S. , HAVA A. M.
- IEEE Industry-Applications-Society Annual Meeting, Alberta, Kanada, 5 - 09 Ekim 2008, ss.194-201
A High Performance PWM Algorithm for Common Mode Voltage Reduction in Three-phase Voltage Source Inverters
 Uen E., HAVA A. M.
 39th IEEE Power Electronic Specialists Conference (PESC 08), Rhodes, Yunanistan, 15 - 19 Haziran 2008, ss.1528-1534
- **Output voltage control of a four-leg inverter based three-phase UPS utilizing stationary frame resonant filter banks**
 HAVA A. M. , Demirkutlu E.
 2007 European Conference on Power Electronics and Applications, Aalborg, Danimarka, 2 - 05 Eylül 2007, ss.4925-4934
- **Performance characteristics of the reduced common mode voltage Near State PWM method**
 Un E., HAVA A. M.
 12th European Conference on Power Electronics and Applications, Aalborg, Danimarka, 2 - 05 Eylül 2007, ss.1061-1070
- **Performance enhancement and comparison of discrete time current regulators for parallel active filters**
 Ozkaya H., Senturk O. S. , HAVA A. M.
 12th European Conference on Power Electronics and Applications, Aalborg, Danimarka, 2 - 05 Eylül 2007, ss.3689-3698
- **Output voltage control of a four-leg inverter based three-phase UPS by means of stationary frame resonant filter banks**
 Demirkutlu E., Cetinkaya S., HAVA A. M.
 IEEE International Electric Machines and Drives Conference (IEMDC 2007), Antalya, Türkiye, 3 - 05 Mayıs 2007, ss.880-881
- **A Near State PWM Method With Reduced Switching Frequency And Reduced Common Mode Voltage For Three-Phase Voltage Source Inverters**
 Uen E., HAVA A. M.
 IEEE International Electric Machines and Drives Conference (IEMDC 2007), Antalya, Türkiye, 3 - 05 Mayıs 2007, ss.235-236
- **Performance enhancement of discrete time hysteresis current regulators and comparison with linear current regulators for parallel active filters**
 Oezkaya H., Sentuerk O. S. , HAVA A. M.
 IEEE International Electric Machines and Drives Conference (IEMDC 2007), Antalya, Türkiye, 3 - 05 Mayıs 2007, ss.1282-1283
- **A novel two-parameter modulation and neutral point potential control method for the three-level neutral point clamped inverter**
 Uestuntepe B., HAVA A. M.
 IEEE International Electric Machines and Drives Conference (IEMDC 2007), Antalya, Türkiye, 3 - 05 Mayıs 2007, ss.742-743
- **Performance analysis and comparison of reduced common mode voltage PWM and standard PWM techniques for three-phase voltage source inverters**
 Un E., Hava A.
 21st Annual IEEE Applied Power Electronics Conference (APEC 2006), Texas, Amerika Birleşik Devletleri, 19 - 23 Mart 2006, ss.303-309

Desteklenen Projeler

- HAVA A. M. , Yükseköğretim Kurumları Destekli Proje, SiC MOSFET'Lİ YÜKSEK PERFORMANSLI TEK FAZLI EVİRİCİLİ 3 KVA PROGRAMLANABİLİR AC GÜÇ KAYNAĞININ TASARIMI VE GERÇEKLENMESİ, 2017 - 2017
- HAVA A. M. , Yükseköğretim Kurumları Destekli Proje, YENİLENEBİLİR ENERJİ SİSTEMLERİNDE LCL SÜZGEÇ VE ŞEBEKE BAĞLANTILI AC/DC DÖNÜŞTÜRÜCÜ İÇİN DENETİM YÖNTEMLERİNİN TASARIMI VE KARŞILAŞTIRILMASI, 2017 - 2017
- HAVA A. M. , Yükseköğretim Kurumları Destekli Proje, SI VE SIC YARI İLETKEN ANAHTARLI, ALÇAK GERİLİM 3 FAZ ŞEBEKE BAĞLANTILI AC/DC GÜÇ DÖNÜŞTÜRÜCÜ TOPOLOJİLERİNİN PERFORMANS DEĞERLENDİRMESİ VE KARŞILAŞTIRILMASI, 2017 - 2017
- HAVA A. M. , ÖZKAN Z., Yükseköğretim Kurumları Destekli Proje, MULTİ-KVA TRAFOSUZ FOTOVOLTAİK EVİRİCİLERİN TASARIMI, DENETİMİ VE GERÇEKLENMESİ, 2017 - 2017
- HAVA A. M. , Diğer Özel Kurumlarca Desteklenen Proje, Radar Sistemleri Mekatronik Yönlendirme Çözümleri Araştırma-Geliştirme Projesi, 2016 - 2017
- HAVA A. M. , Diğer Özel Kurumlarca Desteklenen Proje, Servo motor ve sürücü sistemlerinin geliştirilmesi ve tasarımında teknik destek, 2015 - 2016
- HAVA A. M. , Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014
- HAVA A. M. , Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014
- HAVA A. M. , ÇETİN N. O. , Yükseköğretim Kurumları Destekli Proje, ÜÇ FAZLI, ŞEBEKEYE BAĞLANAN FOTOVOLTAİK EVİRİCİ SİSTEMLERİNİN ANALİZİ, 2013 - 2013
- HAVA A. M. , KANTAR E., Yükseköğretim Kurumları Destekli Proje, ÜÇ FAZLI, ŞEBEKEYE BAĞLANAN FOTOVOLTAİK EVİRİCİ SİSTEMLERİNİN ANALİZİ, 2013 - 2013
- HAVA A. M. , ÇİFTÇİ B., Yükseköğretim Kurumları Destekli Proje, ORTA GERİLİM REJENERATİF MOTOR SÜRÜCÜLERİ İÇİN BASAMAKLANDIRILMIŞ ÇOK SEVİYELİ EVİRİCİ TOPOLOJİLERİNİN TASARIM VE DENETİMİ, 2013 - 2013
- HAVA A. M. , USLUER S. N. , Yükseköğretim Kurumları Destekli Proje, YÜKSEK GÜÇLÜ EVİRİCİLER İÇİN VERİMLİ ANAHTARLAMA YÖNTEMLERİ, 2013 - 2013
- HAVA A. M. , ÇAKIR C., Yükseköğretim Kurumları Destekli Proje, BİRLEŞİK GÜÇ KALİTESİ DENETLEYİCİ SİSTEM DENETİMİ, 2013 - 2013
- HAVA A. M. , ÖZKAN Z., Yükseköğretim Kurumları Destekli Proje, MULTİ-KVA TRAFOSUZ EVİRİCİLERİN TASARIMI, DENETİMİ VE GERÇEKLENMESİ, 2013 - 2013

Kontrata Dayalı Araştırmalar

- Hava A. M. , ELSİS Elektronik Sistemler Sanayi A.Ş., Yenilenebilir Enerji Sistemlerinde Kullanılmak Üzere Akıllı, Yüksek Verimli, Şebekeye Senkronize, Modüler İnvörtör Sisteminin Geliştirilmesi, 2018 - 2019
- HAVA A. M. , aselsan, 2018 - 2018
- HAVA A. M. , VESTEL A.Ş. AR-GE PROJE, 2016 - 2018
- HAVA A. M. , ASELSAN ELEKTRONİK AR-GE PROJESİ, 2016 - 2017

Atıflar

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