

Prof. Dr. AHMET MASUM HAVA

Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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ScopusID: 6601988934

Yoksis Araştırmacı ID: 119220

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

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

Yüksek Lisans, A New Type of Converter For The Switched Reluctance Machines, 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., High performance current control methods for voltage source converters with saturable inductors, Doktora, Z.ÖZKAN(Öğrenci), 2019
- Hava A. M., Performance evaluation and comparison of low voltage grid-tied three-phase AC/DC converter configurations with Sli and SiC semiconductor switches, Yüksek Lisans, O.ÖZTOPRAK(Öğrenci), 2019
- HAVA A. M., SI ve SiC yarı iletken anahtarlı, alçak gerilim 3 faz şebeke bağlantılı AC/DC güç dönüştürücü topolojilerinin performans değerlendirilmesi ve karşılaştırılması., Yüksek Lisans, O.Öztoprak(Öğrenci), 2019
- HAVA A. M., Investigation of modular multilevel converter control methods, Yüksek Lisans, F.ERTÜRK(Öğrenci), 2015
- 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., Şebekeye bağlanabilen fotovoltaik enerji dönüşüm sistemi için 200w mikroevirici tasarımı ve üretimi., Yüksek Lisans, S.Kavurucu(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., 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., Selection of suitable PWM switching and control methods for modular multilevel converter drives, Yüksek Lisans, B.ÇİFTÇİ(Öğrenci), 2014
- 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, 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., Tek katlı flyback ve SEPIC GKD'lerin güç LED'iyile aydınlatma uygulaması için tasarımı gerçekleştirilmesi ve karşılaştırılması., Yüksek Lisans, H.Yılmaz(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., Düşük sığalı DC bara kondansatörlü diyotlu doğrultucu girişli AC motor sürücülerinin tasarımı, denetimi, başarımlı analizi ve geleneksel sürücülerle karşılaştırılması., Yüksek Lisans, V.Volkan(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., Bir ultrakondansatör test sisteminin tasarımı ve deneysel gerçekleştirilmesi., Yüksek Lisans, H.Hüseyin(Öğrenci), 2010
- HAVA A. M., Design and implementation of an ultracapacitor test system, Yüksek Lisans, H.HÜSEYİN(Öğrenci), 2010
- HAVA A. M., Yüksek verimlilikte çalışan yüksek giriş güç çarpanlı, iki katlı, izolasyon aa/da güç kaynağının tasarım, denetim ve imalatı., Yüksek Lisans, M.Can(Öğrenci), 2008
- 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, 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., Design of an educational purpose multifunctional DC/DC converter board, Yüksek Lisans, F.ONUR(Öğrenci), 2008
- HAVA A. M., Parallel active filter design, control, and implementation, Yüksek Lisans, H.ÖZKAYA(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., Series active filter design, control, and implementation with a novel load voltage harmonic extraction method, Yüksek Lisans, O.SELÇUK(Öğrenci), 2007
- 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
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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., Çift anahtarlı ve tek fazlı bir elektronik şebeke gerilim regülatörünün analizi, tasarımı ve deneysel uygulaması, Yüksek Lisans, B.Şimşir(Öğrenci), 2005
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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Inductor Saturation Compensation With Resistive Decoupling for Single-Phase Controlled VSC Systems**
ÖZKAN Z., HAVA A. M.
IEEE TRANSACTIONS ON POWER ELECTRONICS, cilt.35, sa.2, ss.1993-2007, 2020 (SCI-Expanded)
- II. **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, sa.12, ss.9268-9277, 2019 (SCI-Expanded)
- III. **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, sa.9, ss.5336-5347, 2016 (SCI-Expanded)
- IV. **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, sa.1, ss.256-267, 2015 (SCI-Expanded)
- V. **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, sa.4, ss.1971-1979, 2013 (SCI-Expanded)
- VI. **Control, design, and implementation of a low-cost ultracapacitor test system**
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TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.21, sa.3, ss.630-648, 2013 (SCI-Expanded)
- VII. **A Simple Sag Generator Using SSRs**
Senturk O. S., HAVA A. M.
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, cilt.48, sa.1, ss.172-180, 2012 (SCI-Expanded)
- VIII. **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, sa.6, ss.2559-2569, 2011 (SCI-Expanded)
- IX. **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, sa.8, ss.2210-2220, 2011 (SCI-Expanded)

- X. **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, sa.7, ss.1998-2008, 2011 (SCI-Expanded)
- XI. **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, sa.5, ss.1385-1395, 2011 (SCI-Expanded)
- XII. **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, sa.5, ss.865-882, 2010 (SCI-Expanded)
- XIII. **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, sa.6, ss.2030-2038, 2009 (SCI-Expanded)
- XIV. **Performance Characteristics of the Reduced Common Mode Voltage Near State PWM Method**
Un E., HAVA A. M.
EPE JOURNAL, cilt.19, sa.3, ss.41-49, 2009 (SCI-Expanded)
- XV. **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, sa.3, ss.982-991, 2009 (SCI-Expanded)
- XVI. **A Near-State PWM Method With Reduced Switching Losses and Reduced Common-Mode Voltage for Three-Phase Voltage Source Inverters**
Un E., HAVA A. M.
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, cilt.45, sa.2, ss.782-793, 2009 (SCI-Expanded)
- XVII. **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-Expanded)
- XVIII. **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, sa.6, ss.1572-1580, 2002 (SCI-Expanded)
- XIX. **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, sa.5, ss.721-730, 2002 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **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
- II. **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

- III. **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
- IV. **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
- V. **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
- VI. **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
- VII. **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
- VIII. **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
- IX. **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
- X. **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
- XI. **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
- XII. **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

- XIII. **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
- XIV. **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
- XV. **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
- XVI. **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
- XVII. **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
- XVIII. **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
- XIX. **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
- XX. **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
- XXI. **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
- XXII. **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
- XXIII. **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
- XXIV. **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

- XXV. **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
- XXVI. **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
- XXVII. **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
- XXVIII. **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
- XXIX. **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
- XXX. **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
- XXXI. **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
- XXXII. **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
- XXXIII. **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
- XXXIV. **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
- XXXV. **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
- XXXVI. **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

XXXVII. **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

XXXVIII. **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

XXXIX. **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., 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

Kontrata Dayalı Araştırmalar

Hava A. M., Elektra Elektronik Sanayi ve Ticaret Anonim Şirketi, Dağıtım Şebekelerinde Kullanılmak Üzere 230V 150A Modüler Monofaze Şönt Aktif Harmonik Filtre Tasarımı ve Gerçeklenmesi, 2019 - 2020

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

Bilimsel Hakemlikler

IEEE TRANSACTIONS ON ENERGY CONVERSION, SCI Kapsamındaki Dergi, Temmuz 2020

IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, SCI Kapsamındaki Dergi, Ocak 2020

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