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

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

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

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XIII. **High-Performance Harmonic Isolation and Load Voltage Regulation of the Three-Phase Series Active Filter Utilizing the Waveform Reconstruction Method**
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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**
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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.
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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.
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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.
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XX. **Design and Performance Analysis of a Grid Connected PWM-VSI System**
Kantar E., Usluer S. N., HAVA A. M.
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XXI. **Energy Conversion Efficiency of Single-Phase Transformerless PV Inverters**
Ozkan Z., HAVA A. M.
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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.
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XXIII. **A Survey and Extension of High Efficiency Grid Connected Transformerless Solar Inverters with Focus on Leakage Current Characteristics**
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XXIV. **A DC Bus Capacitor Design Method for Various Inverter Applications**
HAVA A. M., Ayhan U., Aban V. V.
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XXV. **Analysis and Characterization of DC Bus Ripple Current of Two-Level Inverters Using The Equivalent Centered Harmonic Approach**
Ayhan U., HAVA A. M.
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XXVI. **Leakage Current Analysis of Grid Connected Transformerless Solar Inverters with Zero Vector Isolation**
Ozkan Z., HAVA A. M.
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XXVII. **Environment-friendly Uninterruptible Power Supply (UPS) Systems**
Gunes I., Ustuntepe B., Islek M., Ece N., HAVA A. M.
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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.
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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.
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XXX. **High Performance Harmonic Isolation and Load Voltage Regulation of the Three-Phase Series Active Filter Utilizing the Waveform Reconstruction Method**
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XXXI. **A High Performance PWM Algorithm for Common Mode Voltage Reduction in Three-phase Voltage Source Inverters**
Uen E., HAVA A. M.
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XXXII. **Output voltage control of a four-leg inverter based three-phase UPS utilizing stationary frame resonant filter banks**
HAVA A. M., Demirkutlu E.
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XXXIII. **Performance characteristics of the reduced common mode voltage Near State PWM method**
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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

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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
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Bilimsel Hakemlikler

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