

ÖZGEÇMİŞ VE ESERLER LİSTESİ

ÖZGEÇMİŞ

Adı Soyadı : Ahmet Karaarslan

Dil Puanı : 82.5 (İngilizce)

Öğrenim Durumu:

Derece	Bölüm/Program	Üniversite	Yıl
Doktora	Elektrik-Elektronik Mühendisliği ABD	Gazi Üniversitesi	2005-2011
Y. Lisans	Elektrik-Elektronik Mühendisliği ABD	Gazi Üniversitesi	2002-2005
Lisans	Elektrik-Elektronik Mühendisliği Bölümü	Gazi Üniversitesi	1998-2002

Yüksek Lisans Tez Başlığı ve Danışmanı:

Yüksek frekanslı ark kaynak makineleri için güç ve kontrol devresi tasarımı ve gerçekleştirilmesi (2005) Tez Danışmanı:(Prof. Dr. İres İskender)

Doktora Tezi Başlığı ve Danışmanı:

Köprüsüz güç katsayısı düzeltme devresi tasarım ve kontrolünde yeni bir yaklaşım (2011) Tez Danışmanı:(Prof. Dr. İres İskender)

Görevler:

Görev Unvanı	Görev Yeri	Yıl
Profesör	Ankara Yıldırım Beyazıt Üniversitesi	2019-Halen
Doçent	Ankara Yıldırım Beyazıt Üniversitesi	2016-2019
Visiting Scholar	Technical University of Munich, Germany	2016
Doçent	Afyon Kocatepe Üniversitesi	2014-2016
Visiting Scholar	University of Wisconsin-Madison, USA	2013
Yrd. Doç.	Gazi Üniversitesi	2012-2014
Dr. Öğr. Gör.	Gazi Üniversitesi	2011-2012
Öğr. Gör.	Gazi Üniversitesi	2006-2011
Arş. Gör.	Gazi Üniversitesi	2002-2006

Yönetilen Yüksek Lisans Tezleri:

Doğru Zeliha, (2012). Döngüde Donanımsal Benzetim ve Gerçek Zamanlı Gömülü Sistemler, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Endüstriyel Teknoloji Eğitimi Anabilim Dalı, Kayıt no:322910

AL-DARRAJI OTHMAN KHALID HASAN, (2017). Improving the Boost Capability for Electric Power Conversion by A Combination of Switched Inductors and Impedance-Source Networks, Türk Hava Kurumu Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Anabilim Dalı, 2. Danışman, Kayıt no:482512

Özav Murat, (2017-Halen). BLDC Motor Control on FPGA for Gimbal of Missiles, Ankara Yıldırım Beyazıt Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Anabilim Dalı

Alarabi Mohamed, (2016-2020). Isolated Four Phase Interleaved Boost Converter with Low Input Voltage and High Output Power, Ankara Yıldırım Beyazıt Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Anabilim Dalı

Taşkıncan F. Süleyman, (2016-2020). Optimal Pole-Shifting Controller for Single Ended Primary Inductor Converter (SEPIC), Ankara Yıldırım Beyazıt Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Anabilim Dalı

Şeker M. Emrah, (2017-2020). Cost study of microgrid application in Turkey, Ankara Yıldırım Beyazıt Üniversitesi, Fen Bilimleri Enstitüsü, Enerji Sistemleri Mühendisliği Anabilim Dalı

Mol Mahmut, (2018-2020). CLASSIFYING SUBCELLULAR PROTEIN PATTERNS IN HUMAN CELLS, Ankara Yıldırım Beyazıt Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Anabilim Dalı

Yönetilen Doktora Tezleri Çalışmaları:

Ortatepe Zafer, (2016-2020). A New Model Implementation for Double Fed Induction Generator used in Variable Speed Wind Turbines, Ankara Yıldırım Beyazıt Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Anabilim Dalı

Özkara Özkan, (2017-Halen). SMC of Three Phase QZSI for Electrical Motor Drivers, Ankara Yıldırım Beyazıt Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Anabilim Dalı

Mol Mahmut, (2020-Halen). Smart Precision Guidance Kit, Ankara Yıldırım Beyazıt Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Anabilim Dalı

Projelerde Yaptığı Görevler:

- Akıllı Hassas Güdüm Kiti (Smart PGK), TÜBİTAK PROJESİ, Yürütücü, 2020-.
- Self-Optimised Flexible Topology Isolated Converter (Soft Converter), NEWTON FUND PROJECT, Yürütücü, 2020-.
- Savunma Sanayinde Kullanılmak Üzere AC/DC Çevirici Birimi Geliştirilmesi, TÜBİTAK PROJESİ, Danışman, 01/03/2018-2019.
- Yakıt hücresinin AA motorlarda kullanılması ve güç kalitesinin analizi, Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi, Araştırmacı, 12/12/2017-04.04.2019.
- Farklı Özellikteki Güneş Panellerinin I/V Karakteristiklerinin Karşılaştırmalı Analizi, Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi, Araştırmacı, 12/12/2017-28.02.2019.
- Yakıt Hücresi Teknolojisi ve Dönüştürücüler Kullanılarak Batarya Yönetim Sisteminin Geliştirilmesi ve Hibrit Araçlarda Uygulanması, Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi, Araştırmacı, 16/08/2016-25/12/2017.
- Enerji Ölçümünde Yeni Yaklaşımlar, Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi, Araştırmacı, 16/08/2016 - 31/12/2016.
- Güneş Enerji Sistemlerinde Çok Dizili Evirici Tasarımı ve Uygulanması, Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi, Yürütücü, 13/01/2015-31/12/2015.
- Lazer Teknolojisi Kullanılarak Kablosuz Ses İletimi Devre Uygulanması, Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi, Yürütücü, 08/05/2013-08/05/2014.
- Köprüsüz Güç Katsayısı Düzeltme Devresi için Yeni bir Ön Besleme Yaklaşımı, TÜBİTAK PROJESİ, Bursiyer, 01/05/2008-01/05/2010.
- Raising Awareness of Indoor and Outdoor Chemicals Harmful Effects Among Children, Avrupa Birliği, Uzman, 01/05/2008-01/05/2010.

- New Approaches in Technology Training Development and Integration of European Modules in Technology Education, Avrupa Birliđi, Uzman, 01/05/2006-01/05/2008.
- Yüksek Frekanslı Ark Kaynak Makinesi Tasarımı ve Yapımı, Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi, Araştırmacı, 01/05/2004-01/05/2005.

Patentler:

- "Enerji Tasarrufu Sağlayan Çoklu Priz.", Başvuru Numarası: 2014/16390, Tescil Tarihi: 2018/04/24

Ödüller:

- Hydromobile Tasarım Ödülü, TÜBİTAK, 2016
- Yayın Teşvik, TÜBİTAK, 2011-2020
- Yayın Teşvik, Gazi Üniversitesi, 2010-2013

İdari Görevler:

Bölüm Başkanı, Ankara Yıldırım Beyazıt Üniversitesi, Elektrik-Elektronik Mühendisliđi, 2019-Halen.

İhale Komisyon Üyeliđi, Afyon Kocatepe Üniversitesi, 2015-2016.

Bölüm Başkan Yardımcısı, Afyon Kocatepe Üniversitesi, Teknoloji Fakültesi, Elektrik Elektronik Mühendisliđi Bölümü, 2012-2013.

Anabilim Dalı Başkanı, Gazi Üniversitesi, Endüstriyel Sanatlar Eğitim Fakültesi, Endüstriyel Teknoloji Eğitimi Bölümü, Elektronik ve Telekomünikasyon Anabilim Dalı, 2010-2012.

Son iki yılda verdiđi lisans ve lisansüstü düzeydeki dersler:

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2019-2020	Güz	EE461-Power Electronics I	3	0	14
		EE309-Electromechanical Energy Conversion I	3	2	30
		EE573-Control Methods of Power Electronics Circuits	3	0	11
	İlkbahar	EE462-Power Electronics II	3	0	6
		EE310-Electromechanical Energy Conversion II	3	2	30
		EE569-Recent Topics in Electrical Measurement Methods	3	0	6
2020-2021	Güz	EE461-Power Electronics I	3	0	16
		EE309-Electromechanical Energy Conversion I	3	2	24
		EE569-Analysis and Design of Switch Mode Power Supplies	3	0	12
	İlkbahar	EE310-Electromechanical Energy Conversion II	3	2	23
		EE462-Power Electronics II	3	0	12
		EE543- Power Electronics for Renewable Energy Systems	3	0	14

ESERLER

A. Uluslararası hakemli dergilerde yayımlanan makaleler:

A28. Ortatepe Z., KARAARSLAN AHMET (2021). Error Minimization Based on Multi-Objective Finite Control Set Model Predictive Control for Matrix Converter in DFIG. International Journal of Electrical Power and Energy Systems, Volume 126, Part A.

A27. ÖZEL K., KARAARSLAN AHMET (2020). The Design of Standalone PV System Using PO Algorithm for Maximum Power Point Tracking. Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, vol. 61, no. 1, pp. 14-25.

A26. Ortatepe Z., KARAARSLAN AHMET (2020). Source Current Quality Improvement of Finite Control Set Model Predictive Control Based Matrix Converter Under Distorted Source Voltage Conditions. International Transactions on Electrical Energy Systems, 30:e12459.

A25. Mohamed Alarabi, KARAARSLAN AHMET (2020). The Design of Isolated Multiphase Interleaved Converter for Battery Charging of Military Applications. SN Applied Sciences, 2, Article number:489

A24. Ortatepe Z., KARAARSLAN AHMET (2020). Robust predictive sensorless control method for doubly fed induction generator controlled by matrix converter. International Transactions on Electrical Energy Systems, vol. 30, no. 12, pp. e12650.

A23. Ortatepe Z., KARAARSLAN AHMET (2020). Pre-Calculated Duty Cycle Optimization Method Implemented in DSP Based on Genetic Algorithm for Non-Inverting Buck-Boost Converter. Journal of Power Electronics, vol. 20, no. 1, pp. 34-42.

A22. Ortatepe Z., KARAARSLAN AHMET (2020). DSP Based Comparison of PFC Control Techniques Applied on Bridgeless Converter. IET Power Electronics, vol. 13, no. 2, pp.317-323.

A21. KARAARSLAN AHMET (2019) The Simulation and Implementation of SEPIC Converter for Computer Systems. Bilişim Teknolojileri Dergisi, vol.12, no.2, pp. 111-117.

A20. KARAARSLAN AHMET, et al. (2019) Two New Impedance Source Network Topologies for InverterApplications. International Journal of Electronics, vol.106, no. 4, pp. 599-619.

A19. Ortatepe Z., KARAARSLAN AHMET (2018). The performance analysis of AC-DC bridgeless converterusing fuzzy self-tuning and comparing with PI control method. Journal of Intelligent and Fuzzy Systems, vol. 35, no. 4, pp. 4629-4642.

A18. KARAARSLAN AHMET, Şaban Çetin (2018). An Exploration of Student Misconceptions in Electrical andElectronics Engineering Department, International Scientific and Vocational Journal, vol. 2, no.2, pp.12-19.

A17. KARAARSLAN AHMET (2018). Modeling and Performance Analysis of Cuk Converter using PI and OCCMethod. International Journal on Technical and Physical Problems of Engineering, Issue. 36, Vol. 10, No. 3, 1-5.

A16. KARAARSLAN AHMET (2018). The Implementation of One CycleControl Method to Inverting Buck-Boost Converter. International Journal on Technical and Physical Problems of Engineering, Issue. 35, Vol. 10, No. 2, 14-19.

A15. KARAARSLAN AHMET (2016). The Application of Hardware in the Loop for Single Phase Converters Based on DSP Controller at Solar Energy Systems. *International Journal of Electrical Energy*, 4(2), 127-132.

A14. KARAARSLAN AHMET (2016). The implementation of bee colony optimization control method for interleaved converter. *Electrical Engineering*, 98(2), 109-119.

A13. Yıldırım Remzi, KARAARSLAN AHMET (2015). The detailed analysis of rate equation roots of BH laser diode using Volterra series. *Turkish Journal of Electrical Engineering & Computer Sciences*, vol. 23, pp. 539-547.

A12. Yıldırım Remzi, KARAARSLAN AHMET (2014). Harmonic analysis of GaN HEMTs at different temperatures and frequencies using Volterra power series. *International Journal of Electronics*, 102(2), 172-186.

A11. İres İskender, Fatih Karık, KARAARSLAN AHMET, Naci Genç (2014). Sarmaşık Yapılı Tek Faz Doğrultucunun Farklı Akım Kontrol Yöntemleriyle Performans Analizi. *Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi*, vol. 29, no. 3, pp. 443-450.

A10. KARAARSLAN AHMET, İskender İres (2013). Analysis and comparison of current control methods on bridgeless converter to improve power quality. *International Journal of Electrical Power & Energy Systems*, 51, 1-13.

A9. KARAARSLAN AHMET (2013). The Implementation of Bee Colony Optimization Algorithm to Sheppard Taylor PFC Converter. *IEEE Transactions on Industrial Electronics*, 60(9), 3711-3719.

A8. KARAARSLAN AHMET (2013). The analysis of average sliding control method applied on Sheppard Taylor power factor correction converter. *Electrical Engineering*, 95(3), 255-265.

A7. KARAARSLAN AHMET (2012). PFC Control Techniques Education for Electrical and Electronics Engineering Students Using Computer Software and Experimental Application. *Energy Education Science and Technology Part A-Energy Science and Research*, 29(1), 367-380.

A6. KARAARSLAN AHMET (2012). Obtaining Renewable Energy from Piezoelectric Ceramics Using Sheppard Taylor Converter. *International Review of Electrical Engineering*, 7(2), 3949-3956.

A5. KARAARSLAN AHMET, İskender İres (2012). Average sliding control method applied on power factor correction converter for decreasing input current total harmonic distortion using digital signal processor. *IET Power Electronics*, 5(5), 617-626.

A4. KARAARSLAN AHMET (2011). DSP Microprocessor Based on Power Factor Correction to Improve Power Quality of Converters using Predictive Control. *International Review of Electrical Engineering*(6:2), 512-521.

A3. KARAARSLAN AHMET, İskender İres (2011). Güç Katsayısı Düzeltim Devrelerinde Ortalama Akım Kontrol Tekniği ve Sayısal Sinyal İşlemcisi Kullanarak Yeni Bir Yöntemin Uygulanması. *Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi*, 26(1), 193-203.

A2. KARAARSLAN AHMET, İskender İres (2011). A DSP based power factor correction converter to reduce total harmonic distortion of input current for improvement of power quality. *Electrical Engineering*, 93(4), 247-257.

A1. KARAARSLAN AHMET, İskender İres (2011). The Analysis of AC DC Boost PFC Converter Based on Peak and Hysteresis Current Control Techniques. International Journal on Technical and Physical Problems of Engineering, 3(2), 100-105.

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitaplarında (proceedings) basılan bildiriler :

B43. Ö. Özkara, AHMET KARAARSLAN (28-30 November 2019). Modified Three Phase Quasi Z Source Inverter using Sliding Mode Control Method . 11th INTERNATIONAL CONFERENCE on ELECTRICAL and ELECTRONICS ENGINEERING, Bursa, Turkey (<https://ieeexplore.ieee.org/document/8990631>)

B42. M. Emrah Şeker, AHMET KARAARSLAN (December 2019). Cost Study of Microgrid Application in Turkey. IV. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS – ENGINEERING (BILMES EN 2019), Ankara, Turkey.

B41. Z. Ortatepe, AHMET KARAARSLAN (28-30 November 2019). A Reduced Order Observer Design for Sensorless DFIG. 11th INTERNATIONAL CONFERENCE on ELECTRICAL and ELECTRONICS ENGINEERING, Bursa, Turkey (<https://ieeexplore.ieee.org/document/8990513>)

B40. Ö. Özkara, AHMET KARAARSLAN (28-30 November 2019). Modified Packed U-Cell Active Filter using Fuzzy Self-Tuning Control Method for Power Systems. 11th INTERNATIONAL CONFERENCE on ELECTRICAL and ELECTRONICS ENGINEERING, Bursa, Turkey (<https://ieeexplore.ieee.org/abstract/document/8990512>)

B38. Z. Ortatepe, AHMET KARAARSLAN (28-30 November 2019). Extended Kalman Filter Design for Model Predictive Current Controlled DFIG. 11th INTERNATIONAL CONFERENCE on ELECTRICAL and ELECTRONICS ENGINEERING, Bursa, Turkey (<https://ieeexplore.ieee.org/document/8990466>)

B37. M. Özev, AHMET KARAARSLAN (19 September 2019). Brushless DC Motor Control on FPGA for Missiles. 5th International Conference on Engineering Sciences, pp. , Ankara, Turkey.

B36. M. Mol, AHMET KARAARSLAN (19 September 2019). Comparison of Machine Learning Techniques in Object Classification from Images. 5th International Conference on Engineering Sciences, pp. , Ankara, Turkey.

B35. Z. Ortatepe, AHMET KARAARSLAN (19 September 2019). Incremental Conduction Method Based on MPPT for DC-DC Boost Converter. 5th International Conference on Engineering Sciences, pp. , Ankara, Turkey.

B34. S.S. Yılmaz, AHMET KARAARSLAN (19 September 2019). The Comparison of PI and Sliding Mode Control Method for Interleaved Boost Converter. 5th International Conference on engineering Sciences, pp. , Ankara, Turkey.

B33. AHMET KARAARSLAN, Rasim Doğan (28-29 December 2018). Obtaining Optimum Piezoelectric Energy Harvesting with Non-Inverting Buck-Boost Converter. 1. Anadolu Uluslararası Multidisipliner Çalışmalar Kongresi, pp. 478-485, Diyarbakır, Turkey.

B32. AHMET KARAARSLAN, Özkan Özkara, Rasim Doğan (28-29 December 2018). MPPT and PI Control of a Buck-Boost Converter in Pv Systems for Battery Charging. 1. Anadolu Uluslararası Multidisipliner Çalışmalar Kongresi, pp. 471-477, Diyarbakır, Turkey.

B31. Rasim Doğan, AHMET KARAARSLAN (28-29 December 2018). Reconstruction of ALoad Composition with ZIP Coefficients. 1. Anadolu Uluslararası Multidisipliner Çalışmalar Kongresi, pp. 466-470, Diyarbakır, Turkey.

B30. AHMET KARAARSLAN, Emrah Şeker, Rasim Doğan (28-29 December 2018). LoadCompensation using D-STATCOM. 1. Anadolu Uluslararası Multidisipliner Çalışmalar Kongresi, pp. 486-494, Diyarbakır, Turkey.

B29. Zafer Ortatepe, Rasim Doğan, AHMET KARAARSLAN (28-29 December 2018). Model Predictive Based Rotor Current Control for Matrix Converter ControlledDFIG. 1. Anadolu Uluslararası Multidisipliner Çalışmalar Kongresi, pp. 458-465, Diyarbakır, Turkey.

B28. Rasim Doğan, AHMET KARAARSLAN (28-29 December 2018). Fuel Cell Application on Ac Pump Motors. 1. Anadolu Uluslararası Multidisipliner Çalışmalar Kongresi, pp. 454-457, Diyarbakır, Turkey.

B27. Bektaş Enes, KARAARSLAN AHMET (2017). The Comparison of PI Control Method and One Cycle Control Method forSEPIC Converter. 10th International Conference on Electrical and Electronics Engineering (ELECO 17), pp. 345-349, Bursa, Turkey.

B26. Doğan Rasim, KARAARSLAN AHMET (2017). The Hybrid Control Method of Compound DC Motor using Fuel-Cell andBattery. ISMSIT 20171st International Symposium on Multidisciplinary Studies and Innovative Technologies Proceedings, Tokat, Turkey

B25. Doğan Rasim, KARAARSLAN AHMET (2017). The Application of Battery Charging Circuit using PEM Fuel-Cell. ISMSIT 2017 International Symposium on Multidisciplinary Studies and Innovative Technologies, Tokat, Turkey.

B24. Ortatepe Zafer, KARAARSLAN AHMET (2017). The Strategy of Battery Voltage Control using Hybrid PIANFIS Structurein Non-Inverting Buck-Boost Converter. International Symposium on Electrical Railway Transportation Systems ERUSIS'2017, Eskişehir, Turkey.

B23. Şeker Emrah, Benli Murat, KARAARSLAN AHMET (2017). The Analysis of One Cycle Control Methodusing DC-DC Isolated Forward Converter. IATS'17 8th International Advanced Technologies Symposium, Elazığ, Turkey.

B22. Erel Mehmet Zahid, Özev Murat, KARAARSLAN AHMET (2017). The Comparison of OCC and PI Control Methodfor DC-DC Boost Converter. IATS'17 8th International Advanced Technologies Symposium, Elazığ, Turkey.

B21. Uysal Ziya, KARAARSLAN AHMET (2017). Comparison of One Cycle and PI Control Method using Buck-BoostConverter. 13th International Conference on, Technical and Physical Problems of Electrical Engineering, Van Turkey.

B20. Bildirici Merve, KARAARSLAN AHMET (2017). Analysis of Cuk Converter using PI and OCCControl Method. 13th International Conference on, Technical and Physical Problems of Electrical Engineering, Van, Turkey

B19. KARAARSLAN AHMET, Ortatepe Zafer (2016). The Application of ANFISControl Method to AC-DC Single Phase PFC Converter. 8th International Ege Energy Syposium, Afyonkarahisar, Turkey.

B18. KARAARSLAN AHMET, Ortatepe Zafer (2016). The Grid Side Control of DFIGBased on Wind Turbines. 8th International Ege Energy Syposium, Afyonkarahisar, Turkey.

B17. KARAARSLAN AHMET (2015). The Application of Hardware in the Loop for Single Phase Converters Based on DSP Controller at Solar Energy Systems. 4th International Conference on Power Science and Engineering (ICPSE 2015), Amsterdam, Netherlands.

B16. KARAARSLAN AHMET, Özer Tolga (2013). Implementation of Remote Control Device Using USB 1208LS. XI-th International Scientific Conference Education–Technology–Computer Science

B15. KARAARSLAN AHMET, Özer Tolga (2013). Application of Wireless Audio Transmission Circuit Using Laser Technology. XI-th International Scientific Conference Education–Technology–Computer Science

B14. KARAARSLAN AHMET, İskender İres (2011). Performance Evaluation of PI and Predictive Control Methods Applied on a Bridgeless PFC Converter Using the New Approach to Eliminate the AC Line Voltage Distortions. Proceedings of the International Conference on Electronics, Computers and Artificial Intelligence, vol. 4, no.1, pp. 117-130, Pitesti, Romania.

B13. KARAARSLAN AHMET, İres İskender (2010). The Comparison of Average and Hysteresis Current Mode Control Technique of Single Phase Boost Power Factor Correction Converter. International Conference on Technical and Physical Problems in Power Engineering, vol. 1, pp. 444-448, Tabriz, Iran.

B12. KARAARSLAN A., Iskender I (2009). Pure Sinusoidal Input Voltage Based Bridgeless PFC Converter Using TMS320F2812 Digital Signal Processor. 6th International Conference on Electrical and Electronics Engineering, vol. 1, pp. 234-238, Bursa, Turkey.

B11. KARAARSLAN AHMET (2008). Hysteresis control of power factor correction with a new approach of sampling technique. 2008 IEEE 25th Convention of Electrical and Electronics Engineers in Israel, 765-769., Doi: 10.1109/EEEI.2008.4736638

B10. KARAARSLAN AHMET, Iskender I (2008). The New Control Strategy of Power Factor Correction with Bridgeless Converter. Technical and Physical Problems of Power Engineering (TPE–2008)

B9. KARAARSLAN AHMET, et al. (2007). Teknoloji Eğitiminin Elektronik Alanına Yönelik Bilgisayar Destekli Ölçüm Deney Modülü Geliştirilmesi ve Örnek Laboratuvar Kurulumu. IV. International Educational Technology Conference (IETC'07), pp. 32-38. , Bucharest, Romania.

B8. et al., KARAARSLAN AHMET (2007). E Graduate System for Students of Technology Education. International Conference on E-Portfolio Process in Vocational Education (EPVET'07), pp. 93-98, Bucharest, Romania.

B7. KARAARSLAN AHMET, et al. (2007). The Program Design for Support to Education with Web Based Portfolio Management. International Conference on E-Portfolio Process in Vocational Education (EPVET'07), pp. 137-143, Bucharest, Romania.

B6. KARAARSLAN AHMET, et al. (2007). Çevrimiçi Öğrenci Takip Sistemi. IV. International Educational Technology Conference (IETC'07), pp. 509-516, Nicosia, North Cyprus.

B5. İskender İres, KARAARSLAN AHMET (2006). On The Comparison of Fuzzy Logic State Space Averaging based Sliding Control Methods Applied on an Arc Welding Machine. World Academy of Science, Engineering and Technology, 8(19), 100-105, Budapest, Hungary.

B4. KARAARSLAN AHMET, İskender İres (2006). PI Control of a 4 kW High Frequency Novel Flyback Converter. 3rd International Conference on Technical and Physical Problems in Power Engineering, vol. 2, pp. 944-948, Ankara, Turkey.

B3. et al., KARAARSLAN AHMET (2006). Uzaktan Eğitim ile Desteklenen Geliştirilebilir Eğitim Programı Modeli. IV. International Educational Technology Conference (IETC'06), 1(1), 1556-1561, Famagusta, North Cyprus.

B2. KARAARSLAN AHMET, İskender İres (2005). Application of Sliding Mode Control to An Arc Welding Machine and Comparing Its Performance with Conventional PI Method. 3th International Conference on Electrical and Electronics Engineering, pp. Power Electronics: 1-5, Bursa, December Turkey.

B1. KARAARSLAN AHMET, et al. (2005). Application of Sliding Mode Control to Buck Converter and Improving its Performance with a Proposed Control Method. 13th International Symposium on Power Electronics, pp. T1-1.1:1-5, Novi Sad, Serbia & Montenegro.

C. Yazılan ulusal/uluslararası kitaplar veya kitaplardaki bölümler :

C1. Yazılan ulusal/uluslararası kitaplar:

C1.1. Bilgi ve İletişim Teknolojisi (2008). KARAARSLAN AHMET, Gün Yayınevi, Sayfa Sayısı 150, Türkçe(Ders Kitabı), (Yayın No: 80230)

C2. Yazılan ulusal/uluslararası kitaplardaki bölümler :

C2.1. KARAARSLAN AHMET, M. Emrah Şeker (2019) "Part II: Microgrid Control Systems: Distributed Control of Microgrids", Book of Microgrid Architectures, Control and Protection Methods, Chapter 16, Accepted, Springer

C2.2. Eğitimciler için Bilişim Teknolojileri, KARAARSLAN AHMET, Bölüm adı:(Web) (Ekim 2014). Pegem Akademi, ISBN:978-605-364-723-2, Türkçe(Bilimsel Kitap)

D. Ulusal hakemli dergilerde yayımlanan makaleler :

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