

Dr.Öğr.Üyesi KORHAN KAYIŞLI



Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Fırat Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 2004 - 2012

Yüksek Lisans, Fırat Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 2001 - 2004

Biyografi

Dr.Korhan Kayisli received a BSc degree in electronics education from Sakarya University, Sakarya, Turkey, in 2001, and an MSc degree in Electronics and Computer Science from Fırat University, Elazığ, Turkey, in 2004. He received PhD degree at the area of power electronics in Electric and Electronics Engineering at Fırat University, Elazığ, Turkey, in 2012. He worked as a research assistant between 2002 and 2012. He has worked in Fırat University, Bitlis Eren University, Gelisim University, Nisantasi University, respectively. He is currently an assistant professor in the Department of Electrical Electronics Engineering, Engineering Faculty, Gazi University, Ankara, Turkey. He is an IEEE member and the co-editor of International Journal of Renewable Energy Research and International Journal of Engineering Science and Application. He also served as reviewer to many high ranked scientific journals. His fields of interest are power electronics, converter circuits, power factor correction, robust control, and educational technologies. He has published journal and conference papers on these areas. Additionally, he has worked as researcher in two EU mobility projects and other some projects.

Yaptığı Tezler

Doktora, Birim güç faktörlü dayanıklı dönüştürücü devresinin tasarlanması ve gerçekleştirilmesi, Fırat Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Elektronik Mühendisliği, 2012

Yüksek Lisans, Asenkron motorun kayma mod algılayıcısız hız kontrolü, Fırat Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik, 2004

Araştırma Alanları

Güç Elektroniği, Güç Çevirgeçleri, Güç Kalitesi, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, Gazi Üniversitesi, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 2021 - Devam Ediyor

Dr.Öğr.Üyesi, Nişantaşı Üniversitesi, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2016 - 2021

Yrd.Doç.Dr., İstanbul Gelişim Üniversitesi, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, 2013 - 2016

Dr.Öğr.Üyesi, Bitlis Eren Üniversitesi, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, 2012 - 2013

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A DIRECT ADAPTIVE SLIDING MODE HIGH VOLTAGE GAIN PEAK POWER TRACKER FOR THERMOELECTRIC APPLICATIONS**
BELKAID A., ÇOLAK İ., KAYIŞLI K.
Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique, cilt.66, sa.2, ss.131-136, 2021
(SCI Expanded İndekslerine Giren Dergi)
- II. **A Novel Approach of Perturb and Observe Technique Adapted to Rapid Change of Environmental Conditions and Load**
Belkaid A., Colak I., Kayisli K.
ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.48, ss.375-387, 2020 (SCI İndekslerine Giren Dergi)
- III. **Backstepping control of a separately excited DC motor**
Harrouz A., Becheri H., Colak I., Kayisli K.
ELECTRICAL ENGINEERING, cilt.100, sa.3, ss.1393-1403, 2018 (SCI İndekslerine Giren Dergi)
- IV. **Implementation of a modified P&O-MPPT algorithm adapted for varying solar radiation conditions**
Belkaid A., Colak I., Kayisli K.
ELECTRICAL ENGINEERING, cilt.99, sa.3, ss.839-846, 2017 (SCI İndekslerine Giren Dergi)
- V. **Closure to "Prediction of Discharge Capacity over Two-Cycle Labyrinth Side Weir Using ANFIS" by M. Cihan Aydin and Korhan Kayisli**
Aydin M. C. , Kayisli K.
JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING, cilt.143, sa.7, 2017 (SCI İndekslerine Giren Dergi)
- VI. **A Novel Power Factor Correction System Based on Sliding Mode Fuzzy Control**
Kayisli K., Tuncer S., Poyraz M.
ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.45, sa.4, ss.430-441, 2017 (SCI İndekslerine Giren Dergi)
- VII. **Prediction of Discharge Capacity over Two-Cycle Labyrinth Side Weir Using ANFIS**
Aydin M. C. , Kayisli K.
JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING, cilt.142, sa.5, 2016 (SCI İndekslerine Giren Dergi)
- VIII. **PMSM Drive Fed by Sliding Mode Controlled PFC Boost Converter**
Aydogmus O., Deniz E., Kayisli K.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.39, sa.6, ss.4765-4773, 2014 (SCI İndekslerine Giren Dergi)
- IX. **An educational tool for fundamental DC-DC converter circuits and active power factor correction applications**
Kayisli K., Tuncer S., Poyraz M.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, cilt.21, sa.1, ss.113-134, 2013 (SCI İndekslerine Giren Dergi)
- X. **Internet journalism in cyberculture and its effect on adult attitude**
Kayisli K.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL AND EDUCATIONAL STUDIES, cilt.4, sa.3, ss.1535-1546, 2012 (SCI İndekslerine Giren Dergi)
- XI. **Hidden Programme and Application Development in Web based Education**
SEVİNDİK T., GÜROL A., KAYIŞLI K., BAŞAL A.
Procedia - Social and Behavioral Sciences (Elsevier), cilt.2, sa.2, ss.5114-5119, 2010 (SSCI İndekslerine Giren Dergi)
- XII. **Semantic Web and Its Reflections in Distance Education**
SEVİNDİK T., KAYIŞLI K., ÜNLÜKAHRAMAN O.
Procedia - Social and Behavioral Sciences (Elsevier), cilt.2, sa.2, ss.5109-5113, 2010 (SSCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- I. **NON-LINEAR BACKSTEPPING SPEED CONTROL FOR ASIAN ELECTRIC SCOOTER USES**
Hicham C., Nasri A., KAYIŞLI K.
JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES, cilt.13, sa.1, ss.400-423, 2021 (Diğer Kurumların Hakemli Dergileri)
- II. **A Novel Method of Electric Scooter Torque Estimation Using the Space Vector Modulation Control**
Hicham C., Nasri A., KAYIŞLI K.
International Journal of Renewable Energy Development, cilt.10, sa.2, ss.355-364, 2021 (ESCI İndekslerine Giren Dergi)
- III. **Speed Control of Three-Wheel Electric Scooter with Fuzzy Logic Control**
Hicham C., Nasri A., KAYIŞLI K.
International Journal of Renewable Energy Research, cilt.9, sa.3, ss.1443-1452, 2019 (Diğer Kurumların Hakemli Dergileri)
- IV. **Design and Implementation of a Cuk Converter Controlled by a Direct Duty Cycle INC-MPPT in PV Battery System**
BELKAID A., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
International Journal of Smart Grid, cilt.3, sa.1, ss.18-24, 2019 (Diğer Kurumların Hakemli Dergileri)
- V. **Performance comparison of different maximum power point trackers for photovoltaic system under fast varying of environmental conditions**
BELKAID A., ÇOLAK İ., KAYIŞLI K.
Revue des Energies Renouvelables, cilt.21, sa.4, ss.601-621, 2018 (Diğer Kurumların Hakemli Dergileri)
- VI. **Modeling of a Permanent Magnet Synchronous Generator in a Power Wind Generation System with an Electrochemical Energy Storage**
BELKAID A., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
International Journal of Smart Grid, cilt.2, sa.4, ss.197-202, 2018 (Diğer Kurumların Hakemli Dergileri)
- VII. **3 Serbestlik Dereceli Bir Robot Kolun Bulanık Mantık ve PID ile Kontrolü**
KAYIŞLI K., UĞUR M.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, cilt.5, sa.4, ss.223-234, 2017 (Diğer Kurumların Hakemli Dergileri)
- VIII. **Implementation of a Humanoid Robotic Hand**
Tezel C., KAYIŞLI K., Günay O.
International Journal of Engineering Science and Application, cilt.1, sa.4, ss.137-141, 2017 (Diğer Kurumların Hakemli Dergileri)
- IX. **Sliding Mode Control of Vehicle Suspension System under Different Road Conditions**
KAYIŞLI K., KARAMAN V.
International Journal of Engineering Science and Application, cilt.1, sa.2, ss.72-77, 2017 (Diğer Kurumların Hakemli Dergileri)
- X. **Design and Implementation of a Tank Rescue Robot Controlled With Android Software**
KAYIŞLI K., Tezel C., Günay O., Demir E.
INTERNATIONAL JOURNAL of ENGINEERING SCIENCE AND APPLICATION, cilt.1, sa.1, ss.18-23, 2017 (Diğer Kurumların Hakemli Dergileri)
- XI. **Web Based Education for Power Electronics Supported with Animations**
KAYIŞLI K.
Technics Technologies Education Management, cilt.8, sa.4, ss.1780-1789, 2013 (Diğer Kurumların Hakemli Dergileri)
- XII. **Comparison of Reflective Thinking Profiles of Individuals using Social Networks for Education in terms of Time Variable**
KAYIŞLI K., SEVİNDİK T., HAZAR H.
The Online Journal of Distance Education and e-Learning, cilt.1, sa.1, ss.26-32, 2013 (Diğer Kurumların Hakemli Dergileri)

- XIII. **Web Tabanlı Eğitimde Veri Madenciliği**
SEVİNDİK T., KAYIŞLI K., ÜNLÜKAHRAMAN O.
Turkish Journal of Computer and Mathematics Education, cilt.3, sa.3, ss.183-193, 2012 (Diğer Kurumların Hakemli Dergileri)
- XIV. **Kayma Mod ile Asenkron Motorun Algılayıcısız Hız Kontrolü**
KAYIŞLI K., GÜLDEMİR H.
Bitlis Eren Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.1, sa.2, ss.92-106, 2012 (Diğer Kurumların Hakemli Dergileri)
- XV. **Kayma Mod Denetleyici Kullanılarak Aktif Güç Faktörü Düzeltimi**
KAYIŞLI K., TUNCER S., POYRAZ M.
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, cilt.14, sa.1, ss.253-260, 2008 (Diğer Kurumların Hakemli Dergileri)
- XVI. **Mesleki Eğitimde Uzaktan Eğitim Yoluyla Bilgisayar Destekli Tasarım ve Paylaşım**
SEVİNDİK T., KAYIŞLI K.
DAUM, cilt.5, sa.1, ss.27-29, 2006 (Diğer Kurumların Hakemli Dergileri)

Kitap & Kitap Bölümleri

- I. **Blockchain and smart charging infrastructure of electric vehicles**
Kayışlı K.
Holistic Approach for Decision Making Towards Designing Smart Cities, Lazaroiu George Cristian, Roscia Mariacristina, Dancu Vasile Sebastian, Editör, Springer, London/Berlin, London, ss.1-265, 2021

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **A Novel Control Approach of Multi Motor Electric Scooter Drive**
Hicham C., Nasri A., HARROUZ A., KAYIŞLI K.
2021 10th IEEE International Conference on Renewable Energy Research and Application (ICRERA), İstanbul, Türkiye, 26 - 29 Eylül 2021
- II. **Control Strategy of the Permanent Magnet Stepper Motor**
HARROUZ A., HACHEMI G., ÇOLAK İ., KAYIŞLI K., DUMBRAVA V.
2021 10th IEEE International Conference on Renewable Energy Research and Application (ICRERA), İstanbul, Türkiye, 26 - 29 Eylül 2021
- III. **Reducing Voltage and Frequency Fluctuations in Power Systems using Smart Power Electronics Technologies: A Review**
Çolak A. M., KAYIŞLI K.
2021 9th IEEE International Conference on Smart Grid (icSmartGrid), Setúbal, Portekiz, 29 Haziran 2021
- IV. **An Improved DTC Strategy for a DFIG using an Artificial Neural Network Controller**
İbrahim Y., HARROUZ A., BOUSSAID I., SEMMAH A., WIRA P., ÇOLAK İ., KAYIŞLI K.
2021 9th IEEE International Conference on Smart Grid (icSmartGrid), Setúbal, Portekiz, 29 Haziran 2021
- V. **Social Acceptance of Renewable Energy dedicated to Electric Production**
HARROUZ A., BELATRACHE D., KA B., ÇOLAK İ., KAYIŞLI K.
2020 9th International Conference on Renewable Energy Research and Application (ICRERA), Glasgow, United Kingdom, 27 - 30 Eylül 2020, ss.283-288
- VI. **Reliable Power Flow Control in Parallel Transmission Lines Based on UPFC**
HARROUZ A., BOULAL E., SAIDI A., ÇOLAK İ., KAYIŞLI K.
2020 9th International Conference on Renewable Energy Research and Application (ICRERA), Glasgow, United Kingdom, 27 - 30 Eylül 2020, ss.423-427
- VII. **Indirect Sliding Mode Voltage Control of Buck Converter**

- BELKAID A, ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
2020 8th International Conference on Smart Grid (icSmartGrid), Paris, France, 17 - 19 Haziran 2020
- VIII. **Improving PV System Performance using High Efficiency Fuzzy Logic Control**
BELKAID A, ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
2020 8th International Conference on Smart Grid (icSmartGrid), Paris, France, 17 - 19 Haziran 2020
- IX. **Performance Enhancement of Hybrid Solar PV-Wind System Based on Fuzzy Power Management Strategy: A Case Study**
HARROUZ A., Saidi A., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
2019 7th International Conference on Smart Grid (icSmartGrid), Newcastle, Australia, 9 - 11 Aralık 2019
- X. **A Comparative Study Between Robust Control Sliding Mode and Backstepping of a DFIG Integrated to Wind Power System**
HARROUZ A., Saihi L., Bakou Y., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
2019 7th International Conference on Smart Grid (icSmartGrid), Newcastle, Australia, 9 - 11 Aralık 2019
- XI. **Robust Controller Based on Sliding Mode Technique of DFIG Integrated to Wind Energy System**
HARROUZ A., Bakou Y., ÇOLAK İ., Aissaoui A. G. , KAYIŞLI K., BAYINDIR R.
2019 7th International Conference on Smart Grid (icSmartGrid), Newcastle, Australia, 9 - 11 Aralık 2019
- XII. **Modeling and Simulation of Polycrystalline Silicon Photovoltaic Cells**
BELKAID A, ÇOLAK İ., KAYIŞLI K.
2019 7th International Conference on Smart Grid (icSmartGrid), Newcastle, Australia, 9 - 11 Aralık 2019
- XIII. **Energy Modeling Output of Wind System based on Wind Speed**
HARROUZ A., ÇOLAK İ., KAYIŞLI K.
2019 8th International Conference on Renewable Energy Research and Applications (ICRERA), Brasov, Romania, 3 - 06 Kasım 2019
- XIV. **DTC Control of the DFIG, Application to the Production of Electrical Energy**
Bakou Y., Mohamed A., HARROUZ A., Ibrahim Y., ÇOLAK İ., KAYIŞLI K., Aissaoui A. G.
2019 8th International Conference on Renewable Energy Research and Applications (ICRERA), Brasov, Romania, 3 - 06 Kasım 2019
- XV. **Performance Comparison of Different Machine Learning Algorithms on the Prediction of Wind Turbine Power Generation**
EYECİOĞLU Ö., HANGÜN B., KAYIŞLI K., YEŞİLBUDAK M.
2019 8th International Conference on Renewable Energy Research and Applications (ICRERA), Brasov, Romania, 3 - 06 Kasım 2019
- XVI. **Information Systems and Renewable Energy in Algeria**
HARROUZ A., ABBES M., ÇOLAK İ., KAYIŞLI K.
2019 Algerian Large Electrical Network Conference (CAGRE), Algiers, Algeria, 26 - 28 Şubat 2019, cilt.1, ss.1-5
- XVII. **Maximum Power Extraction from a Photovoltaic Panel and a Thermoelectric Generator Constituting a Hybrid Electrical Generation System**
Kayışlı K.
2018 IEEE International Conference on Smart Grid (icSmartGrid), Nagasaki, Japonya, 4 - 06 Aralık 2018, ss.276-282
- XVIII. **A Fuzzy Controller for Stabilization of Asynchronous Machine**
Kayışlı K.
2018 IEEE 7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, Fransa, 14 - 17 Ekim 2018, ss.1369-1373
- XIX. **The ANFIS as a Prediction Method of Efficiency of PV Cells**
BEKEN M., KAYIŞLI K., EYECİOĞLU Ö., yağcı ö., İÇELLİ O.
2018 7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, Fransa, 14 - 17 Ekim 2018
- XX. **Design of an Intelligent Peak Power Converter for Solar Plants with Lead–acid Battery**
Kayışlı K.
2018 IEEE 7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, Fransa,

14 - 17 Ekim 2018, ss.1400-1406

- XXI. **Sensorless Control of Wind Turbine Conversion Equipped with a DFIG Using MPPT Strategy**
Becheri H, Bousserhane I. K. , HARROUZ A., ÇOLAK İ., KAYIŞLI K.
2018 IEEE 18th International Power Electronics and Motion Control Conference (PEMC), Budapest, Macaristan, 26 - 30 Ağustos 2018
- XXII. **Smart grid and renewable energy in Algeria**
HARROUZ A., ABBES M., ÇOLAK İ., KAYIŞLI K.
2017 IEEE 6th International Conference on Renewable Energy Research and Applications (ICRERA), San Diego, CA, USA, 5 - 08 Kasım 2017
- XXIII. **A comprehensive study of different photovoltaic peak power tracking methods**
BELKAID A., ÇOLAK İ., KAYIŞLI K.
2017 IEEE 6th International Conference on Renewable Energy Research and Applications (ICRERA), San Diego, CA, USA, 5 - 08 Kasım 2017
- XXIV. **Modeling and simulation of thermo electrical generator with MPPT**
BELKAID A., ÇOLAK İ., KAYIŞLI K.
2017 IEEE 6th International Conference on Renewable Energy Research and Applications (ICRERA), San Diego, CA, USA, 5 - 08 Kasım 2017
- XXV. **Control of a small wind turbine system application**
HARROUZ A., ÇOLAK İ., KAYIŞLI K.
2016 IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, United Kingdom, 20 - 23 Kasım 2016
- XXVI. **Optimum control strategy based on an equivalent sliding mode for solar systems with battery storage**
Belkaid A., ÇOLAK İ., KAYIŞLI K.
2016 IEEE International Power Electronics and Motion Control Conference (PEMC), Varna, Bulgaria, Bulgaristan, 25 - 28 Eylül 2016, ss.1262-1268
- XXVII. **Uzaktan Eğitim ve Sosyal Ağlar**
SEVİNDİK T., KAYIŞLI K., GENÇ Z., BAŞAL A.
International Computer Instructional Technology Symposium, 22 - 24 Eylül 2011, cilt.1, ss.100-101
- XXVIII. **The effect of social network on student attitudes**
KAYIŞLI K., HAZAR H., ÖZTÜRK U.
International Congress of Educational Research, 4 - 07 Mayıs 2011, cilt.1, ss.1085-1094
- XXIX. **Çoklu zeka tespitinde yapay sinir ağları kullanımı**
SEVİNDİK T., KAYIŞLI K.
3. Uluslararası Bilgisayar ve Öğretim Teknolojileri Eğitimi Sempozyumu, 7 - 09 Ekim 2009, cilt.1, ss.367-371
- XXX. **Hysteresis Control of a Boost PFC Converter Circuit**
KAYIŞLI K., TUNCER S., POYRAZ M.
4nd FAE International Symposium, 4 - 06 Mayıs 2006, cilt.1, ss.587-590

Desteklenen Projeler

Kayışlı K., 2. Çerçeve Programı Projesi, E Commerce in Marble TR/06/A/F/EX1-1585 the Leonardo Da Vinci Pilot Project Topluluk Mesleki Eğitim Eylem Programı İKİNCİ AŞAMA : 2000 – 2006 HAREKETLİLİK, 2006 - 2006
Kayışlı K., 2. Çerçeve Programı Projesi, Computer Aided Design Sharing via The Distance Education in Vocational Schools, 2005 - 2005

Bilimsel Dergilerdeki Faaliyetler

International Journal of Engineering Science and Application, Yardımcı Editör, 2017 - Devam Ediyor

Atıflar

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