

Assoc. Prof. Serap Karagöl

Personal Information

Office Phone: [+90 0362 312 1919](tel:+9003623121919) Extension: 1065

Email: serap.karagol@omu.edu.tr

Web: <https://avesis.omu.edu.tr/serap.karagol>

International Researcher IDs

ScholarID: f_wW1goAAAAJ

ORCID: 0000-0002-5750-1143

Publons / Web Of Science ResearcherID: FYM-9376-2022

ScopusID: 35791875600

Yoksis Researcher ID: 14758

Education Information

Doctorate, North Carolina Agricultural and Technical State University, Elektrik Mühendisliği , United States Of America
2006 - 2011

Postgraduate, North Carolina Agricultural and Technical State University, Elektrik Mühendisliği, United States Of America
2004 - 2006

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 1997 -
2002

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, REDUCED-ORDER EQUIVALENT-CIRCUIT MODELS OF THERMAL SYSTEMS INCLUDING THERMAL
RADIATION, North Carolina A & T State University, 2011

Postgraduate, REDUCED-ORDER MODELING OF THERMAL BEHAVIOR USING MESH PARTITIONING, North Carolina
Agricultural And Technical State University {North Carolina}, 2006

Research Areas

Electrical and Electronics Engineering, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Ondokuz Mayıs University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2021 -
Continues

Assistant Professor, Ondokuz Mayıs University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2012 -
2021

Research Assistant, North Carolina Agricultural and Technical State University, College Of Engineering, Department Of Electrical And Computer Engineering, 2004 - 2011

Academic and Administrative Experience

Ondokuz Mayıs University, 2020 - Continues

Ondokuz Mayıs University, 2014 - Continues

Ondokuz Mayıs University, 2014 - 2018

Ondokuz Mayıs University, 2012 - 2015

Ondokuz Mayıs University, 2012 - 2015

Courses

EEM713 Tıbbi Görüntüleme Teknikleri, Doctorate, 2020 - 2021, 2019 - 2020, 2018 - 2019

EEM207 Devre Kuramı, Undergraduate, 2020 - 2021, 2019 - 2020

EEM711 Bulanık Mantık Dizgeleri, Doctorate, 2020 - 2021, 2019 - 2020

EEM103 Bilgisayar Temelleri, Undergraduate, 2020 - 2021, 2019 - 2020

EEM438 İletişim Ağları, Undergraduate, 2019 - 2020, 2012 - 2013

EEM621 Yerel İletişim Ağları I, Postgraduate, 2019 - 2020, 2018 - 2019

EEM108 Bilgisayar Programlama, Undergraduate, 2019 - 2020

EEEM301 Signals and Systems, Undergraduate, 2019 - 2020, 2018 - 2019

EEM202 Devre Kuramı II, Undergraduate, 2018 - 2019

EEEM202 Circuit Theory II, Undergraduate, 2018 - 2019

EEM201 Devre Kuramı I, Undergraduate, 2018 - 2019, 2015 - 2016

EEEM201 Circuit Theory I, Undergraduate, 2018 - 2019

EEM708 Doktora Proje I, Doctorate, 2018 - 2019

EEM107 Bilgisayar Temelleri, Undergraduate, 2015 - 2016, 2013 - 2014, 2012 - 2013

EEM301 Sinyaller ve Sistemler, Undergraduate, 2015 - 2016

EEM622 Yerel İletişim Ağları II, Postgraduate, 2013 - 2014

EEM636 İletişim Kuramı, Postgraduate, 2013 - 2014

TASARIM VE UYGULAMA ÇALIŞMASI, Undergraduate, 2013 - 2014, 2012 - 2013

EEM443 Mikro işlemciler Lab. (SUBE A), Undergraduate, 2013 - 2014, 2012 - 2013

EEM443 Mikro işlemciler Lab. (SUBE B), Undergraduate, 2013 - 2014, 2012 - 2013

END305 Sistem Analiz, Undergraduate, 2013 - 2014

EEM441 Mikro işlemciler, Undergraduate, 2013 - 2014, 2012 - 2013

EEM431 İletişim Dizgeleri, Undergraduate, 2013 - 2014, 2012 - 2013

UZMANLIK ALAN DERSİ, Postgraduate, 2013 - 2014, 2012 - 2013

EEM332 İletişim Tekniği, Undergraduate, 2012 - 2013

END305 sistem Analizi, Undergraduate, 2012 - 2013

EEM108 Bilgisayar Programlama (SUBE B), Undergraduate, 2012 - 2013

EEM108 Bilgisayar Programlama (SUBE A), Undergraduate, 2012 - 2013

END308 Benzetim, Undergraduate, 2012 - 2013

EEM308 Benzetim, Undergraduate, 2011 - 2012

EEM108 Bilgisayar Programlama, Undergraduate, 2011 - 2012

TASARIM VE UYGULAMA ÇALIŞMASI, Undergraduate, 2011 - 2012

EEM332 İletişim Tekniği, Undergraduate, 2011 - 2012

EEM438 İletişim Ağları, Undergraduate, 2011 - 2012

UZMANLIK ALAN DERSİ, Postgraduate, 2011 - 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Statistical elimination based approach to jaw and tooth separation on panoramic radiographs for dental human identification**
BOZKURT M. H., Karagöl S.
MULTIMEDIA TOOLS AND APPLICATIONS, vol.82, no.21, pp.32117-32150, 2023 (SCI-Expanded)
- II. **A Novel Path Planning Model Based on Nested Regular Hexagons for Mobile Anchor-Assisted Localization in Wireless Sensor Networks**
Karagöl S., Yıldız D.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.47, no.8, pp.9833-9848, 2022 (SCI-Expanded)
- III. **Mutual Inductance Calculation for Planar Square and Hexagonal Coils**
Durmuş F., Karagöl S.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.47, no.3, pp.3409-3420, 2022 (SCI-Expanded)
- IV. **A path planning model based on nested regular hexagons using weighted centroid localization**
Karagöl S., Yıldız D.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.35, no.1, 2022 (SCI-Expanded)
- V. **Path Planning for Mobile-Anchor Based Wireless Sensor Networks Localization: Obstacle-Presence Schemes**
Yıldız D., Karagöl S.
SENSORS, vol.21, no.11, 2021 (SCI-Expanded)
- VI. **Jaw and Teeth Segmentation on the Panoramic X-Ray Images for Dental Human Identification**
BOZKURT M. H., Karagöl S.
JOURNAL OF DIGITAL IMAGING, vol.33, no.6, pp.1410-1427, 2020 (SCI-Expanded)
- VII. **Comparison of communication performance of block coding methods in different channels using DWT**
Yıldız D., Karagöl S.
IET COMMUNICATIONS, vol.14, no.12, pp.1997-2006, 2020 (SCI-Expanded)
- VIII. **Assessment of short/long term electric field strength measurements for a pilot district**
Kurnaz Ç., Yıldız D., Karagöl S.
OPEN PHYSICS, vol.16, no.1, pp.69-74, 2018 (SCI-Expanded)
- IX. **Biomechanical Comparison of Transoral and Transbuccal Lateral Cortical Plate Fixation for the Management of Mandibular Angle Fractures**
Omezli M. M., Ayranci F., Polat M. E., Dayi E., Ghahramanzadehasl H., Karagöl S.
NIGERIAN JOURNAL OF CLINICAL PRACTICE, vol.20, no.11, pp.1434-1438, 2017 (SCI-Expanded)
- X. **A novel generation and capacitor integration technique for today's distribution systems**
Özgönenel O., Karagöl S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.3, pp.2434-2443, 2017 (SCI-Expanded)
- XI. **Transformer differential protection using wavelet transform**
Özgönenel O., Karagöl S.
ELECTRIC POWER SYSTEMS RESEARCH, vol.114, pp.60-67, 2014 (SCI-Expanded)
- XII. **Power transformer protection based on decision tree approach**
Özgönenel O., Karagöl S.
IET ELECTRIC POWER APPLICATIONS, vol.8, no.7, pp.251-256, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Comparison of Some Static Path Planning Models Localization Performance in Obstacle-Presence Environment**
YILDIZ D., KARAGÖL S.

- Avrupa Bilim ve Teknoloji Dergisi, vol.0, no.26, pp.438-446, 2021 (Peer-Reviewed Journal)
- II. **A New Jaw Segmentation Method on Panoramic X-Ray Images for Dental Human Identification**
BOZKURT M. H., KARAGÖL S.
Avrupa Bilim ve Teknoloji Dergisi, vol.0, no.26, pp.78-84, 2021 (Peer-Reviewed Journal)
- III. **The Effect of the Wireless Power Transfer for Electric Vehicles on State of Charge**
DURMUS F., KARAGÖL S.
Avrupa Bilim ve Teknoloji Dergisi, vol.0, no.26, pp.447-455, 2021 (Peer-Reviewed Journal)
- IV. **Bilişsel Radyo Uygulamaları için Uzun Süreli Spektrum Doluluk Ölçümleri: Samsun Şehir Merkezi Örneği**
ALBAYRAK Z. E., KURNAZ Ç., KARAGÖL S.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.8, no.3, pp.1840-1851, 2020 (Peer-Reviewed Journal)
- V. **A Comparative Real-Time Speed Control of PMSM with Fuzzy Logic and ANN Based Vector Controller**
GÜNEY E., KARAGÖL S., DEMİR M.
Şırnak Üniversitesi Fen Bilimleri Dergisi, vol.1, no.1, pp.123-143, 2019 (Peer-Reviewed Journal)
- VI. **Linear Block Coding and Discrete Wavelet Transform Based Audio Signal Transmission over AWGN and Rician Fading Channels**
KARAGÖL S., YILDIZ D.
Balkan Journal of Electrical and Computer Engineering, vol.7, no.2, pp.104-114, 2019 (Peer-Reviewed Journal)
- VII. **Yazılı Metni Şifreleyip LSB Yöntemi ile Gizleme**
ÖZBİLGİN F., DURMUŞ F., KARAGÖL S.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.6, no.3, pp.678-685, 2018 (Peer-Reviewed Journal)
- VIII. **Encrypting Written Text and Hiding it with LSB Method**
ÖZBİLGİN F., DURMUŞ F., KARAGÖL S.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.6, no.3, pp.676-685, 2018 (Peer-Reviewed Journal)
- IX. **KİNECT ALGILAYICI İLE GÖMÜLÜ SİSTEM TABANLI ROBOT KOLONUN MATLAB SİMULİNK DESTEKLİ GERÇEK ZAMANLI KONTROLÜ**
BOYACI Ö., KARAGÖL S., AKMEŞE Ö. F.
Anka e-Dergi, vol.2, no.2, pp.10-18, 2017 (Peer-Reviewed Journal)
- X. **Two Dimensional Sensor Localization Using mN/2 Algorithm in Different Types of Distributed Fields**
KARAGÖL S., YILDIZ D.
International Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems, vol.6, no.2, pp.52-60, 2017 (Peer-Reviewed Journal)
- XI. **Islanding Detection in Photo-Voltaic Systems Based on Instantaneous Power Measurements**
Özgönenel O., Karagöl S.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.7, no.4, pp.1723-1730, 2017 (ESCI)
- XII. **Sensor Localization Using Fixed and Dynamic Communication Ranges in Different Types of Distributed Sensor Networks**
YILDIZ D., KARAGÖL S., PATHAK P. R.
International Journal of Applied Mathematics, Electronics and Computers, pp.16-23, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Electro-Thermal Equivalent Circuit of Lithium-Ion Battery Using COMSOL**
Durmüş F., Karagöl S.
15th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2023, Bucharest, Romania, 29 - 30 June 2023
- II. **An Experimental Study of the Effect of Different Genetic Algorithm Operators on Coverage Using Heterogeneous Nodes**
Aspiro S., Karagöl S.
6th International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2022, Ankara,

Turkey, 20 - 22 October 2022, pp.619-623

- III. **Comparison of Static Path Planning Models by Time Requirement**
KARAGÖL S., KÖKSAL M. E.
5th International Online Conference on Mathematics, İstanbul, Turkey, 01 December 2021, pp.494-500
- IV. **Commutativity and Wangerin Differential Equation**
KÖKSAL M. E., KARAGÖL S.
5th International Online Conference on Mathematics, Turkey, 01 December 2021, pp.378-386
- V. **Chest X-Ray Abnormality Detection Based on SqueezeNet**
Akpınar K. N., Genç S., Karagöl S.
2nd International Conference on Electrical, Communication and Computer Engineering, ICECCE 2020, İstanbul, Turkey, 12 - 13 June 2020
- VI. **Fuzzy Logic Application in DGA Methods to Classify Fault Type in Power Transformer**
Genç S., Karagöl S.
2nd International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), Turkey, 26 - 27 June 2020, pp.672-675
- VII. **Automated Abnormality Classification of Chest Radiographs using MobileNetV2**
Genç S., Akpınar K. N., Karagöl S.
2nd International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), Turkey, 26 - 27 June 2020, pp.676-679
- VIII. **FUZZY LOGIC BASED LOCALIZATION IN WIRELESS SENSOR NETWORKS**
AGHCHEHLI E., KARAGÖL S.
2. Uluslararası 19 Mayıs Yenilikçi Bilimsel Yaklaşımlar Kongresi, 27 - 29 December 2019, pp.381-389
- IX. **FUZZY LOGIC DIRECT TORQUE CONTROL OF PERMANENT MAGNET SYNCHRONOUS MOTOR WITH SLIDING MODE OBSERVER**
ÇAVUŞ B., KARAGÖL S.
2. Uluslararası 19 Mayıs Yenilikçi Bilimsel Yaklaşımlar Kongresi, 27 - 29 December 2019, pp.372-380
- X. **Bilişsel Radyo Uygulamaları için Uzun süreli Spektrum Doluluk Ölçümleri: Samsun Şehir Merkezi Örneği**
ALBAYRAK Z. E., KURNAZ Ç., KARAGÖL S.
3rd International Engineering Research Symposium (INERS), Düzce Turkey, Turkey, 5 - 07 September 2019, pp.113
- XI. **KABLOSUZ ALGILAYICI AĞLARDA YÖNLENDİRME PROBLEMİ İÇİN YAPAY ARI KOLONİ ALGORİTMASININ KULLANIMI**
HAKHVERDİEV E., KARAGÖL S.
Uluslararası 19 Mayıs Multidisipliner Çalışmalar Kongresi, Turkey, 17 - 19 May 2019, pp.806-811
- XII. **KABLOSUZ ALGILAYICI AĞLARDA KARINCA KOLONİSİ ALGORİTMASI İLE AĞ YAŞAM SÜRESİNİN UZATILMASI**
ALİYEYEV N., KARAGÖL S.
Uluslararası 19 Mayıs Multidisipliner Çalışmalar Kongresi, Samsun, Turkey, 17 - 19 May 2019, pp.798-805
- XIII. **Fuzzy Logic Based Low Cost Smart Home Application**
Gozuoglu A., Özgönel O., Karagöl S.
11th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2019, pp.64-68
- XIV. **MİKROİŞLEMCİ DENETİMLİ BEŞ SERBESTLİK DERECEŚİNE SAHİP ROBOT İLE YÜZEY ÖLÇÜMÜ**
AYAZ K., SANCAKTAR İ., KARAGÖL S.
III. Uluslararası Mesleki ve Teknik Bilimler Kongresi (UMTEB), Gaziantep, Türkiye, 21 - 22 June 2018, pp.2211-2218
- XV. **Mikroişlemci Denetimli Beş Serbestlik Derecesine Sahip Robot İle Yüzey Ölçümü**
Ayaz K., SANCAKTAR İ., KARAGÖL S.
3. Uluslararası Mesleki Ve Teknik Bilimler Kongresi, Gaziantep, Turkey, 21 - 22 June 2018, vol.3, pp.2211-2218
- XVI. **Hiding an Encrypted Picture in an Image with LSB Method**

DURMUŞ F., ÖZBİLGİN F., KARAGÖL S.

1. International Technological Sciences and Design Symposium, Giresun, Turkey, 27 - 29 June 2018

XVII. Mutual Inductance Calculation Formula for Planar Square Coils

Durmuş F., Karagöl S.

2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Kizilcahamam, Turkey, 19 - 21 October 2018, pp.531-535

XVIII. Comparison of Error Performance of Discrete Wavelet Transform Based Cyclic Coding Method in Different Type Channels

Yıldız D., Karagöl S.

2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Kizilcahamam, Turkey, 19 - 21 October 2018, pp.536-542

XIX. Cyclic Coding and Discrete Wavelet Transform Based Audio Signal Processing

Yıldız D., Karagöl S.

International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018

XX. Assessment of short/long term electric field strength measurements for a pilot district

Kurnaz Ç., Yıldız D., Karagöl S.

18th International Symposium on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering, ISEF 2017, Lodz, Poland, 14 - 16 September 2017

XXI. A Reliable and Energy-Efficient Routing Protocol for Wireless Sensor Networks in Large Scale

AKLEYLEK S., KARAGÖL S., KUTUCU H., MOHAMMADI R.

8 th International Advanced Technologies Symposium, Elazığ, Turkey, 19 - 22 October 2017, pp.3733-3738

XXII. Determining the effect of establishment of 4G systems on electromagnetic radiation levels in a pilot district

Kurnaz Ç., Yıldız D., Karagöl S.

5th International Conference on Radiation and Applications in Various Fields of Research, RAD 2017, Budva, Montenegro, 12 - 16 June 2017, vol.2, pp.90-94

XXIII. Ses İşaretinin Doğrusal Blok Kodlanmış EBGK Kanalından Farklı Kipleme Teknikleri ve Dalgacık Dönüşümü Aileleri Kullanılarak İletilmesi

YILDIZ D., KARAGÖL S.

The International Conference on Artificial Intelligence and Data Processing (IDAP 2017), Malatya, Turkey, 16 - 17 September 2017

XXIV. TRANSMISSION OF AUDIO SIGNAL FROM REED-SOLOMON AWGN CHANNEL USING WAVELET TRANSFORM FAMILIES

YILDIZ D., KARAGÖL S., ÖZGÖNENEL O.

International Engineering Research Symposium (UMAS 2017), Düzce, Turkey, 11 - 13 September 2017

XXV. YAZILI METNİ ŞİFRELEYİP LSB YÖNTEMİ İLE GİZLEME

ÖZBİLGİN F., DURMUŞ F., KARAGÖL S.

International Engineering Research Symposium (UMAS 2017), Düzce, Turkey, 11 - 13 September 2017

XXVI. Position Estimation of Sensors using Parametric Equation of a Hyperbola with Static and Dynamic Communication Range

YILDIZ D., KARAGÖL S.

5th International Conference on Advanced Technology Sciences (ICAT'2017), İstanbul, Turkey, 9 - 12 May 2017

XXVII. Reducing CBR Dropping in QoSbox Using GreenCloud Simulation in Cloud Computing

MALEKZAI S., YILDIZ D., KARAGÖL S.

5th International Conference on Advanced Technology Sciences (ICAT'2017), İstanbul, Turkey, 9 - 12 May 2017

XXVIII. Localization in Different Types of Distributed Sensor Networks using Parametric Equation based Hyperbolic Localization algorithm

YILDIZ D., KARAGÖL S.

IEEE World Electro Mobility Conference (WELMO 2017), İzmir, Turkey, 4 - 05 May 2017

XXIX. Power Differential Method Based Islanding in PV Systems

ÖZGÖNENEL O., KARAGÖL S.

5th International Conference on Renewable Energy Research and Applications, Birmingham, England, 20 - 23 November 2016

- XXX. **Ana Dalgacığın Dalgacık Sinir Ağının Başarımına Bağlı Transformatör Korumasına Etkisi**Impact of mother wavelet on the performance of wavelet-neural network (WNN) based transformer protection

YILMAZ S., ÖZGÖNENEL O., KARAGÖL S.

Elektrik – Elektronik ve Bilgisayar Mühendisliği Konferansı, Bursa, Turkey, 1 - 03 December 2016, pp.16-20

- XXXI. **Yapay Sinir Ağı Kullanarak Trafo Sağlık Endeksi Tahmini**Transformer health index estimation using artificial neural network

Birlik K. N., ÖZGÖNENEL O., KARAGÖL S.

Elektrik – Elektronik ve Bilgisayar Mühendisliği Konferansı, Bursa, Turkey, 1 - 03 December 2016, pp.1-5

- XXXII. **Transmission of Audio Signal From Linear Block Coded AWGN Channel Using Different Modulation Techniques and Wavelet Transform Families**

Yıldız D., Karagöl S.

2017 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 16 - 17 September 2017

- XXXIII. **A Hyperbolic Location Algorithm for Various Distributions of a Wireless Sensor Network**

Yıldız D., Karagöl S., Özgönenel O.

5th International Istanbul Smart Grid and Cities Congress and Fair (ICSG), İstanbul, Turkey, 19 - 21 April 2017, pp.75-79

- XXXIV. **Two-Dimensional Sensor Localization Using Different Types of Distributed Sensor Networks**

YILDIZ D., KARAGÖL S.

3rd International Conference on Advanced Technology Sciences (ICAT'16), Konya, Turkey, 1 - 03 September 2016, pp.1038-1042

- XXXV. **GreenCloud Simulation QoSbox in Cloud Computing**

Malekzai S., Yıldız D., Karagöl S.

24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1997-2000

- XXXVI. **Impact of Mother Wavelet On The Performance of Wavelet-Neural Network (WNN) Based Transformer Protection**

Yilmaz S., Özgönenel O., Karagöl S.

National Conference on Electrical, Electronics and Biomedical Engineering (ELECO), Bursa, Turkey, 1 - 03 December 2016, pp.16-20

- XXXVII. **Three-Dimensional Sensor Localization Using Modified 3N Algorithm**

Yıldız D., Karagöl S., Özgönenel O., Tadiparthi S., Bikdash M.

30th IEEE International Conference on Advanced Information Networking and Applications (IEEE AINA), Crans-Montana, Switzerland, 23 - 25 March 2016, pp.334-338

- XXXVIII. **mN/2 Algorithm to Resolve Uncertainty of Sensors Localization**

Yıldız D., Karagöl S., Özgönenel O., Tadiparthi S., Bikdash M.

39th International Conference on Telecommunications and Signal Processing (TSP), Vienna, Austria, 27 - 29 June 2016, pp.112-115

- XXXIX. **Transformer Health Index Estimation Using Artificial Neural Network**

Birlik K. N., Özgönenel O., Karagöl S.

National Conference on Electrical, Electronics and Biomedical Engineering (ELECO), Bursa, Turkey, 1 - 03 December 2016, pp.1-5

- XL. **Power Differential Method Based Islanding Detection in PV Systems**

Özgönenel O., Karagöl S.

5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, England, 20 - 23 November 2016, pp.789-793

- XLI. **Samsun Atakum İlçesine ait Elektromanyetik Kirlilik Ölçümleri ve Değerlendirmeler**

YILDIZ D., KURNAZ Ç., KARAGÖL S.

3. Elektromanyetik Alanlar ve Etkileri Sempozyumu (EMANET), Mersin, Türkiye, Turkey, 11 - 13 November 2015

- XLII. **Çevrim İçi İletim Hattı Parametrelerinin ve Arıza Yerinin Hesaplanması Amacıyla Farklı Diferansiyel Eşitlik Algoritmalarının Kullanımı**
YILDIZ D., KARAGÖL S., ÖZGÖNENEL O.
2015 23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015
- XLIII. **A Novel Self Localization Approach for Sensors**
Yıldız D., Karagöl S., Özgönenel O., Tadiparthi S., Bikdash M.
Sensor Signal Processing for Defence SSPD, Edinburgh, Saint Helena, 9 - 10 September 2015, pp.94-98
- XLIV. **Estimation of Online Transmission Line Parameters and Fault Location by Using Different Differential Equation Algorithms**
Yıldız D., Karagöl S., Özgönenel O.
9th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 - 28 November 2015, pp.1034-1038
- XLV. **The Use of Different Differential Equation Algorithms to Calculate Online Transmission Line Parameters and Fault Location**
Yıldız D., Karagöl S., Özgönenel O.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.284-287
- XLVI. **Algılayıcı Yerleşim Belirsizliğinin Çözümünde Graf-Kuramsal Algoritmasının Kullanılması**
YILDIZ D., KARAGÖL S., ÖZGÖNENEL O., Tadiparthi S., Bikdash M.
Elektrik - Elektronik, Bilgisayar Ve Biyomedikal Mühendisliği Sempozyumu (ELECO 2014), Bursa, Turkey, 27 - 29 November 2014, pp.533-537
- XLVII. **A Novel Approach For Distributed Renewable Generation and Shunt Capacitor Placing in Smart-Grid**
Özgönenel O., Karagöl S., TERZİ Ü. K.
5th IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe), İstanbul, Turkey, 12 - 15 October 2014
- XLVIII. **A Novel Transformer Protection Method Based on Hilbert Huang Transform and Artificial Neural Network**
Özgönenel O., Karagöl S.
8th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2013, pp.225-228
- XLIX. **Novel Smart Grid and SCADA System Interdependency Networks for Future's Clean, Sustainable and Green Energy**
Chopade P., Karagöl S., Bikdash M., Kateeb I., Dogan N.
10th International Conference and Expo on Emerging Technologies for a Smarter World (CEWIT), New York, United States Of America, 21 - 22 October 2013
- L. **Steady-State Thermal Response Using Equivalent-Circuit Models From Simulation Data of a 2D Thermal System with Radiation**
KARAGÖL S., BIKDASH M.
2011 IEEE 43rd Southeastern Symposium on System Theory, Auburn, AL, USA, United States Of America, 14 - 16 March 2011, pp.92-97
- LI. **Improved Reduced-Order Modeling of Thermal Behavior Using METIS Graph Decomposition with Applications**
KARAGÖL S., Bikdash M.
CPES Annual Power Electronics Conference 2007 (CPES 2008), Blackaburg, USA, United States Of America, 20 - 22 April 2008, pp.47-51
- LII. **Mesh Analysis with Applications in Reduced Order Modeling and Collision Avoidance**
BIKDASH M., KARAGÖL S., CHARIFA S. M.
COMSOL Users Conference (COMSOL 2006), Boston, USA, United States Of America, 22 - 24 October 2006, pp.1-7

- LIII. **Software for FEMLAB Based Reduced-Order Modeling of Thermal Behavior Using Mesh Partitioning**
KARAGÖL S., BIKDASH M.
CPES Annual Power Electronics Conference 2006 (CPES 2006), Blacksburg, USA, United States Of America, 23 April
- 25 June 2006

Supported Projects

Karagöl S., Project Supported by Higher Education Institutions, OMÜ IEEE TEKNOFEST 2023 SABİT KANAT İHA TAKIMI, 2023 - 2023
Karagöl S., Project Supported by Higher Education Institutions, Döner Kanat İHA, 2022 - 2023
Karagöl S., Project Supported by Higher Education Institutions, Asimetrik İndüktörlerin Endüktans Değerlerinin Sayısal Yaklaşımlar Kullanılarak Hesaplanması, 2017 - 2023
Karagöl S., Project Supported by Higher Education Institutions, Sensor Signal Processing for Defence Conference 2015, 2015 - 2015