

Assoc. Prof. Suat İlhan

Personal Information

Office Phone: [+90 212 252 222](tel:+90212252222) Extension: 0

Fax Phone: [+90 212 285 670](tel:+90212285670)

Email: ilhansu@itu.edu.tr

Web: <http://akademi.itu.edu.tr/ilhansu/>

Address: İTÜ Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, 34469 Maslak, İstanbul

International Researcher IDs

ORCID: 0000-0002-0633-316X

ScopusID: 8564023800

Yoksis Researcher ID: 149520

Biography

Suat İlhan was born in Malatya, Turkey in 1979. He received B.Sc., M.Sc., and Ph.D. degrees in electrical engineering from Istanbul Technical University, Istanbul, Turkey in 2001, 2004, and 2012, respectively. He is currently an associate professor at the same university. His main research interests are numerical analysis of electrical fields, insulation design of electric power systems, measurement of partial discharge and electromagnetic interferences.

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Elektrik Mühendisliği (Dr), Turkey 2005 - 2012

Foreign Languages

English

Dissertations

Doctorate, Corona ring design and parameter optimization for 380 kV V-insulator strings used in Turkish national power transmission system, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Mühendisliği (Dr), 2012

Research Areas

Electrical and Electronics Engineering, Energy, Electric Power Transmission, Distribution and Protection, High Voltage Technique, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliği, 2020 - Continues

Assistant Professor, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliği, 2018 - Continues

Courses

Aşırı Gerilimler ve Yalıtım Koordinasyonu, Undergraduate, 2015 - 2016

Jury Memberships

Post Graduate, Suat İlhan, İTÜ Elektrik Mühendisliği Bölümü, June, 2017

Competition, Suat İlhan, Elektrik Mühendisleri Odası-İstanbul Şubesi, June, 2017

Post Graduate, Suat İlhan, İTÜ Elektrik Mühendisliği Bölümü, June, 2017

Competition, Suat İlhan, Elektrik Mühendisleri Odası-İstanbul Şubesi, June, 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Identification of corona discharges based on wavelet scalogram images with deep convolutional neural networks**
Üçkol H. İ., İlhan S.
Electric Power Systems Research, vol.224, 2023 (SCI-Expanded)
- II. **Characterization of DC corona discharge current pulses using high-frequency measurement techniques**
Üçkol H. İ., İlhan S.
Measurement: Journal of the International Measurement Confederation, vol.218, 2023 (SCI-Expanded)
- III. **Experimental performance analysis of conventional and non-conventional lightning protection systems – preliminary results**
Özdemir A., İlhan S.
Electric Power Systems Research, vol.216, 2023 (SCI-Expanded)
- IV. **High impedance fault localization: A comprehensive review**
Baharozu E., İlhan S., Soykan G.
Electric Power Systems Research, vol.214, 2023 (SCI-Expanded)
- V. **Viability of Fillers in HTV Silicone Rubber in the AC and DC Inclined Plane Tests**
Ghunem R. A., İlhan S., Üçkol H. İ., Tuzun D., Hadjadj Y.
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, vol.28, no.6, pp.2144-2151, 2021 (SCI-Expanded)
- VI. **Workmanship defect classification in medium voltage cable terminations with convolutional neural network**
Üçkol H. İ., İlhan S., Özdemir A.
Electric Power Systems Research, vol.194, 2021 (SCI-Expanded)
- VII. **Comparative Properties of HTV Silicone Rubber for Composite Insulators - ATH and Silica Fillers**
İlhan S., Tuzun D., Ozdemir A.
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, vol.28, no.2, pp.414-422, 2021 (SCI-Expanded)
- VIII. **Simulations and Experimental Studies towards Thermal Performance Improvement of 36 kV Bushings**
İlhan S., Erden I., Özdemir A.
ELECTRIC POWER SYSTEMS RESEARCH, vol.187, 2020 (SCI-Expanded)
- IX. **DC and AC electric field analysis and experimental verification of a silicone rubber insulator**
Üçkol H. İ., Karaca B., İlhan S.

ELECTRICAL ENGINEERING, vol.102, no.1, pp.503-514, 2020 (SCI-Expanded)

- X. **Investigation on leakage current, erosion, and hydrophobic performance of high-voltage insulator coatings of different thicknesses**
İlhan S., Aslan Z.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.2, pp.1197-1207, 2020 (SCI-Expanded)
- XI. **DC corona characteristics derived from corona cage tests and simulations**
Font A., Solak Y. T., İlhan S., Özdemir A., İSMAİLOĞLU H., Espino Cortes F.
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, vol.26, no.6, pp.1867-1875, 2019 (SCI-Expanded)
- XII. **Optimization of Radio Interference Levels for 500 and 600 kV Bipolar HVDC Transmission Lines**
Tejada-Martinez C., Espino-Cortes F. P., İlhan S., Özdemir A.
ENERGIES, vol.12, no.16, 2019 (SCI-Expanded)
- XIII. **Numerical and Experimental Investigation of the Effects of Pollution on Glass Suspension-type Insulators**
İlhan S., Özdemir A., Jayaram S. H., Cherney E. A.
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, vol.22, no.5, pp.2987-2994, 2015 (SCI-Expanded)
- XIV. **Impacts of Corona Rings on the Insulation Performance of Composite Polymer Insulator Strings**
İlhan S., Özdemir A., Ismailoglu H.
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, vol.22, no.3, pp.1605-1612, 2015 (SCI-Expanded)
- XV. **Effects of Corona Ring Design upon Impulse Voltage Withstand Level of 380 kV V-Strings**
İlhan S., Özdemir A.
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, vol.18, no.5, pp.1638-1646, 2011 (SCI-Expanded)
- XVI. **380 kV Corona Ring Optimization for ac Voltages**
İlhan S., Özdemir A.
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, vol.18, no.2, pp.408-417, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effects of RTV Coating on the Discharge Characteristics of A Suspension Glass Insulator**
İlhan S.
ELECTRICA, vol.19, no.2, pp.173-181, 2019 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigations of Corona Discharge Images for Rod-Rod Electrode System Under HVDC**
Uckol H. İ., Ozdemir I., İlhan S.
58th International Universities Power Engineering Conference, UPEC 2023, Dublin, Ireland, 30 August - 01 September 2023
- II. **Evaluation of the Effects of Noise and Sampling Rate on Detection of High Impedance Fault with Machine Learning Methods on the Distribution System**
Baharozu E., İlhan S., Soykan G.
2023 IEEE PES Generation, Transmission and Distribution International Conference and Exposition, GTD 2023, İstanbul, Turkey, 22 - 25 May 2023, pp.55-59
- III. **Corona Discharge Degradation and Dynamic Drop Tests for Hydrophobicity Evaluation of High-**

Temperature Vulcanizing Silicone Rubber Samples

Bilgiç T. Ö., Üçkol H. İ., İlhan S., Kalenderli Ö.

2022 IEEE International Conference on High Voltage Engineering and Applications, ICHVE 2022, Chongqing, China, 25 - 29 September 2022

- IV. **The Hydrophobicity Class Identification of Silicone-Rubber Samples using Deep Learning Algorithms**
Demiroglu N., Özdemir İ., Üçkol H. İ., İlhan S.
57th International Universities Power Engineering Conference (UPEC) - Big Data and Smart Grids, İstanbul, Turkey, 30 August - 02 September 2022
- V. **Comparative Investigation of Corona Pulse Characteristics under DC and AC Voltages**
Üçkol H. İ., Bilgiç T. Ö., İlhan S.
2022 IEEE International Conference on High Voltage Engineering and Applications, ICHVE 2022, Chongqing, China, 25 - 29 September 2022
- VI. **Hydrophobicity Loss of HTV Silicone Rubbers with different ATH Filler Types under AC Corona Discharges**
Akkoyun T., Üçkol H. İ., Bilgiç T. Ö., İlhan S.
13th International Conference on Electrical and Electronics Engineering, ELECO 2021, Virtual, Bursa, Turkey, 25 - 27 November 2021, pp.134-137
- VII. **Influence of ATH Filler on Tracking and Erosion Resistance of HTV Silicone Rubbers under DC Voltages**
Gur C., Elmas M. V., Üçkol H. İ., İlhan S.
13th International Conference on Electrical and Electronics Engineering, ELECO 2021, Virtual, Bursa, Turkey, 25 - 27 November 2021, pp.138-141
- VIII. **Defect classification in MV cable terminations based on residual neural network OG Kablo Başlıklarında Rezidüel Sinir Ağları Temelli Kusur Sınıflandırılması**
Üçkol H. İ., İlhan S.
12th International Conference on Electrical and Electronics Engineering, ELECO 2020, Bursa, Turkey, 26 - 28 November 2020, pp.6-9
- IX. **Investigation of correlation between temperature and leakage current in HTV silicone rubber by inclined plane tests HTV Silikon Yalıtkanlarda Sıcaklık ve Kaçak Akım Arasındaki Korelasyonun Eğik Düzlem Deneyi ile İncelenmesi**
Tüzün D., Üçkol H. İ., İlhan S.
12th International Conference on Electrical and Electronics Engineering, ELECO 2020, Bursa, Turkey, 26 - 28 November 2020, pp.10-14
- X. **Partial Discharge Pattern Classification based on Deep Learning for Defect Identification in MV Cable Terminations**
Üçkol H. İ., İlhan S., Özdemir A.
7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020, Beijing, China, 6 - 10 September 2020
- XI. **AC and DC field distributions in glass, RTV-coated glass and composite insulators**
Uckol H. İ., İLHAN S., ÖZDEMİR A.
11th International Conference on Electrical and Electronics Engineering, ELECO 2019, Bursa, Turkey, 28 - 30 November 2019, pp.336-340
- XII. **Minimization of Radio Interference Levels in a Hybrid Transmission Line**
Martinez C. T., cortes F. E., ÖZDEMİR A., İLHAN S.
2019 IEEE Milan PowerTech, Milan, Italy, Italy, 23 - 27 June 2019
- XIII. **Corona Inception and Breakdown Voltages of Rod-Plane Electrode for Severe Ambient Conditions**
Gharaaghaji S. S., Fadil H., İLHAN S., ÖZDEMİR A., İSMAİLOĞLU H., cortes F. E.
2019 IEEE Milan PowerTech, Milan, Italy, Italy, 23 - 27 June 2019
- XIV. **Electrical Performance of HTV Silicone Rubber under Different Fillers and Filler Loadings**
İLHAN S., Tuzun D., ÖZDEMİR A.
2019 Electrical Insulation Conference, Calgary, Canada, 16 - 19 June 2019

- XV. **Computation Of the Corona Onset Voltage For DC at Two Different Altitudes**
cortes F. E., cortes R. V., miranda R. L., ÖZDEMİR A., İLHAN S.
2019 Electrical Insulation Conference, Calgary, Canada, 16 - 19 June 2019
- XVI. **Optimization of Corona Radio Interference Levels in HVDC Transmission Lines**
MARTÍNEZ C. T., CORTES F. E., İLHAN S., ÖZDEMİR A.
2018 International Conference on High Voltage Engineering and Application, ICHVE 2018, 10 - 13 September 2018
- XVII. **Determination of Corona Inception Voltages of Rod-Plane Electrode Systems**
İLHAN S., ÖZDEMİR A., AYTUG f., ESPINOCORTES F.
International Conference on High Voltage Engineering (ICHVE 2018), 10 - 13 September 2018
- XVIII. **Surface Discharge Characteristics of Epoxy Resin Insulation Under Non-Uniform Electric Field Distribution**
İLHAN S., FONT A., YILDIZ İ., KÖSEOĞLU K., ÖZDEMİR A.
20th International Symposium on High Voltage Engineering-ISH 2017, Buenos Aires, Argentina, 28 August - 01 September 2017
- XIX. **AC/DC Corona Characteristics of the Conductors in an Indoor Corona Cage**
FONT A., ersoy s., İLHAN S., ÖZDEMİR A., cortes F. E.
20th International Symposium on High Voltage Engineering-ISH 2017, Boines Aires, Argentina, 28 August - 01 September 2017
- XX. **Design and Technical Analysis of 500-600 kV HVDC Transmission System for Turkey**
Font A., İlhan S., İSMAİLOĞLU H., Cortes F. E., Özdemir A.
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.201-205
- XXI. **Computation of Corona Radio Interference Levels in HVDC Transmission Lines**
Tejada-Martinez C., Espino-Cortes F. P., İlhan S., Özdemir A.
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.206-210
- XXII. **SF6 Gaz Yalıtımlı Dağıtım Transformatörünün Elektrostatik Alan Analizi**
ÖZGÖNENEL O., FONT A., İLHAN S.
Elektrik, Elektronik ve Biyomedikal Mühendisliği Konferansı (Eleco2016), Bursa, Turkey, 1 - 03 December 2016
- XXIII. **Electrostatic Analysis of SF6 Gas Insulated Distribution Transformer**
Ozgonenel O., Font A., İlhan S.
National Conference on Electrical, Electronics and Biomedical Engineering (ELECO), Bursa, Turkey, 1 - 03 December 2016, pp.359-362
- XXIV. **Line surge arrester application for a 380 kV power transmission line**
Font A., İlhan S., Özdemir A.
5th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2016, Chengdu, China, 19 - 22 September 2016
- XXV. **Numerical Analysis of a Metal-Oxide Surge Arrester by using Finite Element Method**
İlhan S., Font A., Kalenderli Ö.
IEEE International Conference on High Voltage Engineering and Application (ICHVE), Chengdu, China, 19 - 22 September 2016
- XXVI. **Design Considerations of A 36 kV Silicone Rubber Wall Type Bushing**
İlhan S., Özdemir A.
19th International Symposium on High Voltage Engineering-ISH 2015, Pilsen, Czech Republic, 23 - 28 August 2015, pp.1-5
- XXVII. **Techno-Economic Analysis of Using 477 MCM ACSS/TW Conductors in Turkish 154 kV Power Transmission System**
Özdemir A., İlhan S.
19th International Symposium on High Voltage Engineering-ISH 2015, Pilsen, Czech Republic, 23 - 28 August 2015, pp.1-5
- XXVIII. **Matlab gui based data acquisition and processing of lightning impulse voltages**

Dokur E., Özdemir A., İlhan S.

2014 4th International Conference on High Voltage Engineering and Application, ICHVE 2014, Poznan, Poland, 8 - 11 September 2014

XXIX. Improvement of thermal performance of 36 kV DAF-30 type bushing

ERDEN I., Özdemir A., İlhan S.

2013 3rd International Conference on Electric Power and Energy Conversion Systems, EPECS 2013, İstanbul, Turkey, 2 - 04 October 2013

XXX. LINE SURGE ARRESTER PROTECTION DESIGN FOR A 380 KV POWER TRANSMISSION LINE

ÖZDEMİR A., ÖZTÜRK H. C., İLHAN S.

International Symposium on High Voltage Engineering (ISH2013), Seoul, South Korea, 25 - 30 August 2013

XXXI. Line Surge Arrester Protection Design for An 380 kV Power Transmission Line

Özdemir A., Ozturk C., İlhan S.

18th International Symposium on High Voltage Engineering-ISH 2013, Seoul, South Korea, 25 - 30 August 2013, pp.1-5

XXXII. Improvement of Heat Distribution in DAF-30 Type Bushings

Özdemir A., Erden İ., İlhan S.

18th International Symposium on High Voltage Engineering-ISH 2013, Seoul, South Korea, 25 - 30 August 2013, pp.1-5

XXXIII. Design of Corona Rings For 380 kV nonceramic V-Insulator String

İlhan S., Özdemir A., Ismailoglu H.

18th International Symposium on High Voltage Engineering-ISH 2013, Seoul, South Korea, 25 - 30 August 2013, pp.1-5

XXXIV. Simulation-based optimum high voltage bushing design

Dokur E., Özdemir A., İlhan S.

2013 IEEE Grenoble Conference PowerTech, POWERTECH 2013, Grenoble, France, 16 - 20 June 2013

XXXV. Simulations of Pollution and their effects on the Electrical Performance of Glass Suspension Insulators

İlhan S., Özdemir A., JAYARAM S. H., CHERNEY E. A.

IEEE Conference On Electrical Insulation and Dielectric Phenomena, 2012 IEEE CEIDP, Montreal, Canada, 14 - 17 October 2012, pp.803-806

XXXVI. Ac and transient electric field distributions along a 380 kV V-string insulator

İlhan S., Özdemir A., JAYARAM S. H., CHERNEY E. A.

2012 19th IEEE International Symposium on Electrical Insulation, ISEI 2012, San Juan, PR, United States Of America, 10 - 13 June 2012, pp.399-403

XXXVII. AC and Transient Electric Field Distributions along a 380 kV V Insulator String

İLHAN S., ÖZDEMİR A., Jayaram S. H., Cherney E. A.

IEEE - ISEI 2012, International Symposium on Electrical Insulation, San Juan, Argentina, 10 - 13 June 2012, pp.399-403

XXXVIII. Simulations of Pollution and their effects on the Electrical Performance of Glass Suspension Insulators

İlhan S., Özdemir A., Jayaram S. H., Cherney E. A.

IEEE Conference on Electrical Insulation and Dielectric Phenomena (CEIDP), Montreal, Canada, 14 - 17 October 2012, pp.803-806

XXXIX. Flashover performance of 380 kV V-string with uniform surface pollution

İlhan S., Özdemir A.

2011 IEEE PES Trondheim PowerTech: The Power of Technology for a Sustainable Society, POWERTECH 2011, Trondheim, Norway, 19 - 23 June 2011

XL. Corona Onset Voltage and Corona Power Losses in an Indoor Corona Cage

Eroncel C., İlhan S., Özdemir A., Kaypmaz A.

Fourteenth International Middle East Power Systems Conference MEPCON'10, Cairo, Egypt, 19 - 21 December 2010, pp.791-794

- XLI. Corona Onset Voltage and Corona Power Losses an in Indoor Corona Cage**
ERÖNCEL C., İLHAN S., ÖZDEMİR A., KAYPMAS A.
International Middle East Power Systems Conference (MEPCON'10), Kahire, Egypt, 19 - 21 December 2010, pp.791-794
- XLII. OG Kablo Dielektrik Özelliklerin Sıcaklık ve Gerilimle Değişimi**
Akata H., ÖZDEMİR A., İLHAN S.
Elektrik-Elektronik Ve Bilgisayar Mühendisliği Sempozyumu ELECO 2010, Bursa, Turkey, 2 - 05 December 2010
- XLIII. Corona ring optimization for V-insulator string on the point of RIV and AC flashover performance**
İlhan S., Özdemir A.
2010 International Conference on High Voltage Engineering and Application, ICHVE 2010, New Orleans, LA, United States Of America, 11 - 14 October 2010, pp.268-271
- XLIV. Electric field distributions around composite insulators under AC and impulse voltages**
YILDIZ C., Özdemir A., İlhan S.
International Symposium on Modern Electric Power Systems, MEPS'10, Wroclaw, Poland, 20 - 22 September 2010
- XLV. Flashover Performance Of 380 Kv V-Strings With Cap And Pin Type Insulators Under Lightning And Switching Impulses,**
İlhan S., Özdemir A.
16th International Symposium on High Voltage Engineering-ISH 2009, Cape Town, South Africa, 24 August 2009, pp.1-5
- XLVI. Flashover performance of 380 kV V-strings with composite insulators under lightning and switching impulses**
İlhan S., Özdemir A.
2009 IEEE Bucharest PowerTech: Innovative Ideas Toward the Electrical Grid of the Future, Bucharest, Romania, 28 June - 02 July 2009
- XLVII. Load flow analyzes of power system of petk-m petrochemical aliaga complex**
SERRICAN A. C., Özdemir A., İlhan S.
IEEE EUROCON 2009, EUROCON 2009, St. Petersburg, Russia, 18 - 23 May 2009, pp.470-474
- XLVIII. 380 kV V - Askı Takımlarının Alternatif Gerilim Performansına Korona Halkalarının Etkisinin İncelenmesi**
İLHAN S., ÖZDEMİR A.
Elektrik-Elektronik Ve Bilgisayar Mühendisliği Sempozyumu ELECO 2008, Bursa, Turkey, 26 - 30 November 2008
- XLIX. Study on Potential and Electrical Field Distribution along 380 kV V-Insulator String Using Boundary Element Method**
İlhan S., Özdemir A.
7th Balkan Power Conference - BPC 2008, Sibenik, Croatia, 10 - 12 September 2008, pp.1-4
- L. Protection Performance Of Lightning Protection Systems Under Switching Surge Voltages**
Faydalı Z., Özdemir A., İlhan S.
16th International Symposium on High Voltage Engineering-ISH 2009, Cape Town, South Africa, 24 August 2009 - 28 August 2008, pp.1-5
- LI. Effects of corona ring design on electric field intensity and potential distribution along an insulator string**
İLHAN S., ÖZDEMİR A.
5th International Conference on Electrical and Electronics Engineering (Eleco2007), Bursa, Turkey, 5 - 09 December 2007
- LII. Effects Of Corona Ring Design On Electrical Field And Potential Distribution Along An Insulator String**
İlhan S., Özdemir A.
7th International Conference on Electrical and Electronics Engineering ELECO'07, Bursa, Turkey, 5 - 09 December 2007, pp.142-146
- LIII. Effects Of Corona Ring Design On Electrical Field And Potential Distribution Along An Insulator String, 5- 9 December 2007, Bursa/TURKEY, pp:142-146.**

İLHAN S., ÖZDEMİR A.

7th International Conference on Electrical and Electronics Engineering ELECO'07, Bursa, Turkey, 5 - 09 December 2007

LIV. Voltage distribution effects of non-uniform units in suspension strings

İlhan S., Ozdemir A.

2007 IEEE Lausanne POWERTECH, Lausanne, Switzerland, 1 - 05 July 2007, pp.801-806

LV. İzolatör Zincirindeki Gerilim Dağılışının İzolatör Yüzeyinin Temiz Ve Kirli Olması Durumları İçin PSPICE Yardımıyla İncelenmesi,

İLHAN S., ÖZDEMİR A.

Elektrik-Elektronik Ve Bilgisayar Mühendisliği Sempozyumu ELECO 2006, Bursa, Turkey, 6 - 10 December 2006

LVI. Partial Discharge Amplitude Distribution For The Evaluation Of Insulation Ageing

İlhan S., Özdemir A.

5th International Conference on Electrical and Electronics Engineering ELECO'05, Bursa, Turkey, 7 - 11 December 2005, pp.251-254

LVII. Yalıtkan Malzeme Kalitesine İçindeki Boşlukların Etkisinin Sayısal Analizi

İLHAN S., BOLAT S., KALENDERLİ Ö.

1. Enerji Verimliliği ve Kalitesi Sempozyumu (EVK2005), Kocaeli, Turkey, 17 - 18 May 2005

LVIII. Elektriksel Yalıtım Sistemlerinde Yaşlanma, Yaşlanma Modelleri Ve İstatistiksel Veri Analizi

İLHAN S., ÖZDEMİR A.

Elektrik-Elektronik Ve Bilgisayar Mühendisliği Sempozyumu ELECO 2004, Bursa, Turkey, 8 - 12 December 2004

LIX. ELEKTRİKSEL YALITIM SİSTEMLERİ'NDE YAŞLANMA, YAŞLANMAMODELLERİ VE İSTATİSTİKSEL VERİ ANALİZİ

İLHAN S., ÖZDEMİR A.

Elektrik, Elektronik ve Bilgisayar Mühendisliği Sempozyumu (Eleco2004), Bursa, Turkey, 8 - 12 December 2004

LX. Simulation Of Chopping Current Effects Upon Capacitive Switching Transients

Tusalıu P., Özdemir A., İlhan S.

International Conference on Power System Technology, PowerCon 2004, Singapur, Singapore, 21 - 24 November 2004, pp.436-441

Supported Projects

İlhan S., Üçkol H. İ., Project Supported by Higher Education Institutions, Elektriksel Boşalmaların Makine Öğrenme Algoritmalarıyla İncelenmesi ve Sınıflandırılması, 2022 - Continues

İlhan S., TUBİTAK Project, Uzun ömürlü silikon izolatör için optimum katkı kompozisyonu belirlenmesi ve ömür kestirimi, 2017 - Continues

İlhan S., TUBİTAK Project, Yüksek Doğru Gerilim (HVDC) Enerji İletimi İçin Çinko Borat Katkılı HTV Silikon Yalıtkanların Geliştirilmesi, 2021 - 2023

İlhan S., Özdemir A., Project Supported by Higher Education Institutions, Silikon Kaplı İzolatörlerin Elektriksel ve Isıl Özelliklerinin İyileştirilmesi, 2018 - 2020

Özdemir A., İlhan S., Project Supported by Higher Education Institutions, Yıldırıma Karşı Koruma Düzeneklerinin Değerlendirilmesi ve Karşılaştırılması, 2017 - 2020

İlhan S., TUBİTAK Project, Uzun Ömürlü Silikon İzolatör İçin Optimum Katkı Kompozisyonu Belirlenmesi Ve Ömür Kestirimi, 2017 - 2019

İlhan S., Özdemir A., Cortes F. E., TÜBİTAK International Bilateral Joint Cooperation Program Project, Corona discharge characterization and electromagnetic effects of HVDC transmission lines, 2017 - 2019

Özdemir A., İlhan S., TUBİTAK Project, Uzun Ömürlü Silikon İzolatör İçin Optimum Katkı Kompozisyonu Belirlenmesi Ve Ömür Kestirimi, 2017 - 2019

İlhan S., Project Supported by Higher Education Institutions, 380 kV'luk Bir İletim Hattı İçin Hat Parafudru Uygulaması, 2016 - 2018

İlhan S., Project Supported by Higher Education Institutions, SİLİKON YALITKANLI 36 KV'LUK BİRDUVAR TİPİ GEÇİT

İZOLATÖRÜ TASARIMI, 2015 - 2018

İlhan S., Project Supported by Higher Education Institutions, 380 KV Silikon İzolatörlü V- Askı Takımı İçin Korona Halkası Tasarımı, 2013 - 2018

İlhan S., TUBITAK Project, Dünyanın İlk 72 kV Nominal İşletme Gerilimine Sahip, Dökme Reçineli Kuru Tip Transformatörünün Tasarımı, Prototip İmalatı ve Prototip Testler, 2015 - 2017

Özdemir A., İlhan S., Industrial Thesis Project, Bakır Giydirilmiş Alüminyum İletkenli Geçit izolatörü Geliştirme Projesi, 2013 - 2014

İlhan S., TUBITAK Project, Hoban Kompozit İzolatör ve Konsol Donanımı Geliştirilmesi, 2010 - 2012

Memberships / Tasks in Scientific Organizations

Dielectrics and Electrical Insulation, Member, 2010 - Continues

Scientific Refereeing

International Journal of Electrical Engineering, SCI Journal, July 2016

IEEE Transaction on Dielectrics and Electrical Insulation, SCI Journal, January 2016

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, January 2016

IEEE Transaction on Power Delivery, SCI Journal, July 2015

Scientific Consultations

BEST Transformatör A.Ş., Project Consultancy, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliği, Turkey, 2015 - 2017

Metrics

Publication: 81

Citation (WoS): 117

Citation (Scopus): 248

H-Index (WoS): 7

H-Index (Scopus): 10

Congress and Symposium Activities

ELECO2017 International Conference on Electrical and Electronics Engineering, Session Moderator, Bursa, Turkey, 2017

ELECO 2017 International Conference on Electrical and Electronics Engineering, Session Moderator, Bursa, Turkey, 2017

ELECO 2017 International Conference on Electrical and Electronics, Attendee, Bursa, Turkey, 2017

ISH 2017 Interntional Symposium on High Voltage Engineering, Attendee, Buenos Aires, Argentina, 2017

ICHVE 2016-International Conference on High Voltage Engineering, Attendee, Chengdu, China, 2016

International Symposium on High Voltage Engineering (ISH 2015), Attendee, Plzen, Czech Republic, 2015

International conference on Electric Power and Energy Conversion Systems, EPECS-2013, Attendee, İstanbul, Turkey, 2013

International Symposium on High Voltage Engineering (ISH 2013), Attendee, Seoul, South Korea, 2013

IEEE - CEIDP 2012, Conference on Electrical Insulation and Dielectric Phenomena, Attendee, Montréal, Canada, 2012

IEEE - ISEI 2012, International Symposium on Electrical Insulation, Attendee, San Juan, Puerto Rico, 2012

International Conference on High Voltage Engineering (ICHVE 2010), Attendee, Louisiana, United States Of America,

2010

International Symposium on High Voltage Engineering (ISH 2009), Attendee, Cape Town, South Africa, 2009

Eleco'2008 Elektrik-Elektronik-Bilgisayar Mühendisliği Sempozyumu, Attendee, Turkey, 2008

Eleco'2007 5th International Conference on Electrical and Electronics Engineering, Attendee, Bursa, Turkey, 2007

Eleco'2006 Elektrik-Elektronik Bilgisayar Mühendisliği Sempozyumu, Attendee, Turkey, 2006

Eleco'2005 4th International Conference on Electrical and Electronics Engineering, Attendee, Bursa, Turkey, 2005

Eleco'2004 Elektrik-Elektronik-Bilgisayar Mühendisliği Sempozyumu, Attendee, Bursa, Turkey, 2004

Scholarships

KOÇ Vakfı Bursu, Foundation, 2001 - Continues

Non Academic Experience

University of Waterloo / Kanada