

Prof. AYŞEN BASA ARSOY

Personal Information

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Address: Kocaeli Üniversitesi Umuttepe Yerleşkesi Mühendislik Fakültesi Elektrik Mühendisliği Bölümü İzmit/KOCAELİ

International Researcher IDs

ScholarID: C2ooQvMAAAAJ

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Publons / Web Of Science ResearcherID: F-5374-2018

ScopusID: 6505785502

Yoksis Researcher ID: 153707

Education Information

Doctorate, Virginia Polytechnic Institute and State University, College Of Engineering , Bradley Department Of Electrical And Computer Engineering, United States Of America 1996 - 2000

Postgraduate, University of Missouri-Rolla, College Of Engineering And Computing, Electrical And Computer Engineering, United States Of America 1994 - 1996

Undergraduate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, Turkey 1988 - 1992

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Electromagnetic Transient and Dynamic Modeling and Simulations of a StatCom-SMES Compensator in Power Systems, Virginia Polytechnic Institute And State University, 2000

Postgraduate, Steady State Voltage Security Assessment, University Of Missouri-Rolla, 1996

Research Areas

Power System Analysis, Generating Stations and Plants, Electric Power Transmission, Distribution and Protection, Protection Systems, Renewable energy

Academic Titles / Tasks

Professor, Kocaeli University, Mühendislik Fakültesi, Elektrik Mühendisliği, 2018 - Continues

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Elektrik Mühendisliği, 2013 - 2018

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Elektrik Mühendisliği, 2001 - 2012

Research Assistant, Kocaeli University, Mühendislik Fakültesi, Elektrik Mühendisliği, 1993 - 2001

Academic and Administrative Experience

Rektörlük Stratejik Plan Komisyonu Üyesi, Kocaeli University, REKTÖRLÜK, 2022 - Continues
Ethics Committee Member, Kocaeli University, REKTÖRLÜK, 2021 - Continues
Member of the Senate, Kocaeli University, Mühendislik Fakültesi, 2020 - Continues
Rektörlük Kalite Komisyonu Üyesi, Kocaeli University, REKTÖRLÜK, 2019 - Continues
Fakülte Kurulu Üyesi, Kocaeli University, Mühendislik Fakültesi, 2018 - Continues
Head of Department, Kocaeli University, Mühendislik Fakültesi, Elektrik Mühendisliği, 2018 - 2021
Erasmus Program Department Coordinator, Kocaeli University, Mühendislik Fakültesi, Elektrik Mühendisliği, 2006 - 2021
Vice Dean, Kocaeli University, Mühendislik Fakültesi, 2017 - 2020
Deputy Head of Department, Kocaeli University, Mühendislik Fakültesi, Elektrik Mühendisliği, 2008 - 2010

Courses

Power Transmission, Undergraduate, 2022 - 2023
POWER SYSTEM ANALYSIS, Undergraduate, 2023 - 2024
POWER SYSTEM ANALYSIS, Undergraduate, 2023 - 2024
GRADUATION PROJECT, Undergraduate, 2022 - 2023
POWER TRANSMISSION, Undergraduate, 2022 - 2023
POWER SYSTEM CONTROL, Undergraduate, 2023 - 2024
ELECTRICAL ENGINEERING PROJECT, Undergraduate, 2023 - 2024
CIRCUIT ANALYSIS, Undergraduate, 2022 - 2023
POWER SYSTEM CONTROL, Undergraduate, 2023 - 2024
DIGITAL PROTECTION OF POWER SYSTEMS, Postgraduate, 2022 - 2023

Advising Theses

Basa Arsoy A., Güç kalitesi indisleri ile dağıtılmış üretim sistemlerinin değerlendirilmesi, Postgraduate, B.EKİNCİ(Student), 2021
Basa Arsoy A., IEEE 1584 Standardına Göre Ark Flaş Analizi Ve Uygulamaları, Postgraduate, V.AYDOĞAN(Student), 2020
Basa Arsoy A., Dağıtılmış üretim kaynakları bağlı şebekelerde koruma koordinasyonu yaklaşımlarının incelenmesi, Postgraduate, S.CEM(Student), 2018
Basa Arsoy A., Elektrik şebekelerinde telekoruma olarak IEC 61850 uygulaması, Postgraduate, İ.ALTUN(Student), 2018
Basa Arsoy A., İletim hatlarında empedans tabanlı arıza yeri tespiti için yeni bir yaklaşım, Postgraduate, A.ÇAPAR(Student), 2015
Basa Arsoy A., Dağıtılmış üretim kaynakları ile istemli ada çalışma, Postgraduate, M.CANSEVER(Student), 2015
Basa Arsoy A., Trakya bölgesindeki özel bir santralin geçici durum kararlılık kriterlerinin belirlenmesi, Doctorate, L.KILIÇ(Student), 2015
Basa Arsoy A., Rüzgar santrallerinin dinamik modellemesi ve analizi, Doctorate, M.KENAN(Student), 2014
Basa Arsoy A., Dağıtılmış üretim içeren dağıtım şebekelerinde merkezi koordinasyon rölesi tasarımı, Doctorate, F.MEHMET(Student), 2011
Basa Arsoy A., Dağıtılmış üretim kaynaklarının elektrik dağıtım sistemlerine etkileri, Postgraduate, K.KARAARSLAN(Student), 2010

Jury Memberships

Associate Professor Exam, Associate Professor Exam, YÖK, December, 2023
Associate Professor Exam, Associate Professor Exam, YÖK, June, 2023

Post Graduate, Post Graduate, Kocaeli Üniversitesi, June, 2023
Associate Professor Exam, Associate Professor Exam, UAK, December, 2022
Doctorate, Doctorate, Kocaeli Üniversitesi, December, 2022
Doctorate, Doctorate, İstanbul Teknik Üniversitesi, September, 2022
Post Graduate, Post Graduate, Kocaeli Üniversitesi, September, 2022
Administrative Staff Examination, Administrative Staff Examination, Kocaeli Üniversitesi, August, 2022
Post Graduate, Post Graduate, Kocaeli Üniversitesi, June, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, January, 2022
Associate Professor Exam, Associate Professor Exam, UAK, January, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Kocaeli Üniversitesi, January, 2022
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kırklareli Üniversitesi, November, 2021
Doctorate, Doctorate, Gebze Teknik Üniversitesi, August, 2021
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, January, 2021
Doctorate, Doctorate, Kocaeli Üniversitesi, January, 2021
Post Graduate, Post Graduate, Kocaeli Üniversitesi, August, 2020
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul, March, 2020
Doctoral Examination, Doctoral Examination, İstanbul Teknik Üniversitesi, December, 2019
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, May, 2019
Appointment to Academic Staff-Professorship, Appointment Academic Staff, İstanbul Teknik Üniversitesi, January, 2019
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, November, 2018
Doctorate, Doktora Tez Jürisi, İstanbul Teknik Üniversitesi, July, 2018
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, June, 2018
Doctorate, Doctorate, Kocaeli Üniversitesi, June, 2017
Post Graduate, Yüksek Lisans Tez Jürisi, İstanbul Teknik Üniversitesi, May, 2015
Doctorate, Doktora Tez Jürisi, İstanbul Teknik Üniversitesi, March, 2015
Doctorate, Doktora Tez Jürisi, Sakarya Üniversitesi, November, 2013
Doctorate, Doctorate, Sakarya Üniversitesi, February, 2013
Doctorate, Doctorate, Kocaeli Üniversitesi, May, 2007
Doctorate, Doctorate, Kocaeli Üniversitesi, May, 2006
Doctorate, Doctorate, Kocaeli Üniversitesi, May, 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Envelope based symmetrical fault detection during power swing for series compensated lines**
Çapar A., Basa Arsoy A.
ELECTRICAL ENGINEERING, 2024 (SCI-Expanded)
- II. **Signal Envelope-Based Adaptive Power Swing Blocking**
Çapar A., Basa Arsoy A.
ELECTRIC POWER COMPONENTS AND SYSTEMS, 2024 (SCI-Expanded)
- III. **The random varying loads and their impacts on the performance of smart grids**
Iqteit N. A., BASA ARSOY A., ÇAKIR B.
ELECTRIC POWER SYSTEMS RESEARCH, vol.209, 2022 (SCI-Expanded)
- IV. **A time-varying load-based analytical approach for DG optimization in the distribution network**
Iqteit N. A., Basa Arsoy A., Çakır B.
INTERNATIONAL TRANSACTIONS ON ELECTRICAL ENERGY SYSTEMS, vol.29, 2019 (SCI-Expanded)

- V. **Application of STATCOM-supercapacitor for low-voltage ride-through capability in DFIG-based wind farm**
 Dosoglu M. K., Arsoy A., Guvenc U.
 NEURAL COMPUTING & APPLICATIONS, vol.28, pp.2665-2674, 2017 (SCI-Expanded)
- VI. **Transient modeling and analysis of a DFIG based wind farm with supercapacitor energy storage**
 Döşoğlu M. K., Basa Arsoy A.
 International Journal Of Electrical Power & Energy Systems, vol.78, pp.414-422, 2016 (SCI-Expanded)
- VII. **Enhancement of a reduced order doubly fed induction generator model for wind farm transient stability analyses**
 Dosoglu M. K., Basa Arsoy A.
 TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.4, pp.2124-2134, 2016 (SCI-Expanded)
- VIII. **A performance oriented impedance based fault location algorithm for series compensated transmission lines**
 Capar A., Arsoy Basa A.
 INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, pp.209-214, 2015 (SCI-Expanded)
- IX. **Evaluation of frequency control application for distributed generation in Turkey**
 KILIÇ L., Arsoy A.
 INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.67, pp.501-509, 2015 (SCI-Expanded)
- X. **Central coordination relay for distribution systems with distributed generation**
 NUROĞLU F. M., Arsoy A.
 TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.23, pp.2150-2160, 2015 (SCI-Expanded)
- XI. **Modeling and simulation of static loads for wind power applications**
 Dosoglu M. K., Arsoy A.
 NEURAL COMPUTING & APPLICATIONS, vol.25, no.5, pp.997-1006, 2014 (SCI-Expanded)
- XII. **Transient Stability Investigation of a Power System with multiple SVC and TCSC**
 DÖŞOĞLU M. K., BASA ARSOY A.
 Energy Education Science And Technology Part A-Energy Science And Research, vol.29, pp.1437-1448, 2012 (SCI-Expanded)
- XIII. **A New Approach for Protection and Control of Distribution Systems with DG**
 NUROĞLU F. M., BASA ARSOY A.
 International Review Of Electrical Engineering-Iree, vol.5, pp.2350-2356, 2010 (SCI-Expanded)
- XIV. **Detailed Modeling of Superconducting Magnetic Energy Storage SMES System**
 CHEN L., BASA ARSOY A., LIU Y., PAULO F R.
 Ieee Transactions On Power Delivery, vol.21, pp.699-710, 2006 (SCI-Expanded)
- XV. **StatCom SMES**
 BASA ARSOY A., LIU Y., RİBERİO P. F., WANG F.
 Ieee Industry Applications Magazine, vol.9, pp.21-28, 2003 (SCI-Expanded)
- XVI. **Energy Storage Systems for Advanced Power Systems**
 Riberio P. F., Johnson B., Crow M., Basa Arsoy A., Liu Y.
 Proceedings Of The Ieee, vol.89, pp.1744-1757, 2001 (SCI-Expanded)
- XVII. **Transient Modeling and Simulation of a SMES Coil and the Power Electronics Interface**
 BASA ARSOY A., WANG Z., LIU Y., RİBERİO P. F.
 Ieee Transactions On Applied Superconductivity, vol.9, pp.4715-4724, 1999 (SCI-Expanded)

Articles Published in Other Journals

- I. **Power Quality Evaluation of Distributed Generation Systems**

- Basa Arsoy A., Ekinci B.
Turkish Journal of Electrical Power and Energy Systems, vol.1, no.1, pp.12-18, 2021 (Peer-Reviewed Journal)
- II. **Stability analysis of medium sized power plants subjected to grid events**
KILIÇ L., BASA ARSOY A.
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.11, no.2, pp.491-498, 2020 (Peer-Reviewed Journal)
- III. **Load Profile-Based Power Loss Estimation for Distribution Networks**
IQTEIT N., Arsoy A., ÇAKIR B.
ELECTRICA, vol.18, no.2, pp.275-283, 2018 (ESCI)
- IV. **Dağıtım Sisteminde Harmonik Analizi ve Etkilerinin Dağıtılmış Üretim Kullanılarak Azaltılması**
PEKER A., YÖRÜKEREN N., BASA ARSOY A.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.5, pp.23-33, 2017 (Peer-Reviewed Journal)
- V. **Dağıtılmış Üretim Kaynağı İçeren Dağıtım Sistemlerinde Sürekli Durum ve Kısa Devre Analizi**
NUROĞLU F. M., BASA ARSOY A.
Electrotech 3e, pp.104, 2009 (Non Peer-Reviewed Journal)
- VI. **Enerji Kalitesinin İyileştirilmesinde Kojenerasyon Katkısı**
KILIÇ L., BASA ARSOY A.
Electrotech 3e, pp.158-164, 2008 (Non Peer-Reviewed Journal)
- VII. **Simulation of the effects of SMES on FACTS performance**
Arsoy A., Liu Y., Ribeiro P. F.
Proceedings of the IEEE Power Engineering Society Transmission and Distribution Conference, vol.1, pp.502-505, 2002 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Power Quality Assessment of Distributed Generation**
Ekinci B., Basa Arsoy A.
Elektrik Elektronik ve Biyomedikal Mühendisliği Konferansı 2020, Bursa, Turkey, 26 - 28 November 2020, pp.1-5
- II. **IEEE 1584 Standardının Eski ve Güncel Versiyonuna Göre Karşılaştırmalı Ark Flaş Analizi**
AYDOĞAN V., BASA ARSOY A.
III. Uluslararası Mühendislik Fen Bilimleri ve Mimarlık Sempozyumu, Kocaeli, Turkey, 16 April 2020
- III. **Performance Evaluation of Power Swing Blocking in Compensated Transmission Lines**
Çapar A., Ünverdi E., Basa Arsoy A.
12th International Conference on Computer and Electrical Engineering (ICCEE), Delft, Netherlands, 6 - 08 November 2019
- IV. **Statistical analysis of power quality events in the connection point of industrial plants: An outlook to power quality intensity of Turkish grid system**
Kılıç L., Basa Arsoy A., Özcan M., Nuroğlu F. M.
Şişecam International Glass Conference combined with 34th Şişecam Glass Symposium, İstanbul, Turkey, 21 - 22 November 2019
- V. **Performance Evaluation of Power Swing Blocking in Compensated Transmission Lines**
Çapar A., Ünverdi E., Basa Arsoy A.
The 12th International Conference on Computer and Electrical Engineering (ICCEE 2019), Amsterdam, Netherlands, 6 - 08 November 2019
- VI. **Özdeğer Analiz Tekniği ile Güç sistemlerindeki Senkronaltı Rezonansın İncelenmesi**
ÜNVERDİ E., ÇAPAR A., BASA ARSOY A.
ELECO 2018, Turkey, 30 November - 01 December 2018
- VII. **İletim Hattı Modellerinin Güç Salınımları Benzetiminde Etkileri**
ÇAPAR A., ÜNVERDİ E., BASA ARSOY A.
ELECO 2018, Turkey, 30 November - 01 December 2018

- VIII. **Evaluating conventional power swing blocking methods**
Çapar A., Unverdi Aglar E., Basa Arsoy A.
2nd International Symposium on Computer Science and Intelligent Control, ISCSIC 2018, Stockholm, Sweden, 21 - 23 September 2018
- IX. **Assessment of sub-synchronous resonance analysis techniques in series compensated line**
Unverdi Aglar E., Çapar A., Basa Arsoy A.
2nd International Symposium on Computer Science and Intelligent Control, ISCSIC 2018, Stockholm, Sweden, 21 - 23 September 2018
- X. **A Simple Method to Estimate Power Losses in Distribution Networks**
IQTEIT N., BASA ARSOY A., ÇAKIR B.
ELECO 2017, Bursa, Turkey, 30 November - 02 December 2017, pp.135-140
- XI. **ANN Fault Location Algorithms with High Speed Training**
Çapar A., Basa Arsoy A.
ELECO 2017, Bursa, Turkey, 30 November - 02 December 2017
- XII. **Effects of Distributed Generation on Overcurrent Relay Coordination and An Adaptive Protection Scheme**
İLİK S. C., BASA ARSOY A.
2017 International Conference on Substantial Energy Engineering (ICSEE 2017), Perth, Australia, 12 - 14 June 2017
- XIII. **Şebeke Olaylarının Orta güçteki Santrallerin Devrede Kalma Durumlarına Etkisinin İncelenmesi**
KILIÇ L., BASA ARSOY A.
2016 Güç Sistemleri Konferansı, İstanbul, Turkey, 15 - 16 November 2016
- XIV. **Assessment of Integral Based Fault Detection Methods for Power System Relaying**
ÜNVERDİ E., TEKDEMİR İ. G., BASA ARSOY A.
9th International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 26 - 28 November 2015
- XV. **Evaluating Accuracy of Fault Location Algorithms Based on Terminal Current and Voltage Data**
ÇAPAR A., BASA ARSOY A.
2014 International Conference on Electrical and Electronics Engineering, Antalya, Turkey, 21 - 23 April 2014
- XVI. **Transient Behaviors of Full and Reduced Order Doubly Fed Induction Generator Models in a Grid Integrated Wind Farm**
DÖŞOĞLU M. K., BASA ARSOY A.
3rd International Symposium on Innovative Technologies in Engineering and Science, Valencia, Spain, 3 June - 05 November 2015
- XVII. **Kojenerasyon Santrallerinde Yük Atma Uygulamaları**
KILIÇ L., BASA ARSOY A., NUROĞLU F. M.
21. Uluslararası Enerji ve Çevre Konferansı ve Fuarı, İstanbul, Turkey, 6 May - 08 June 2015, pp.95-98
- XVIII. **Özel Sektör Elektrik Santrallerinde 154kV Şalt Bakımlarının Standartlaştırılması**
KILIÇ L., BASA ARSOY A., NUROĞLU F. M.
21. Uluslararası Enerji ve Çevre Konferansı ve Fuarı, İstanbul, Turkey, 6 - 08 May 2015, pp.99-102
- XIX. **Orta Gerilim Şebeke Olaylarının Tüketici Noktasında Karşılaştırmalı İncelenmesi**
KILIÇ L., BASA ARSOY A.
2015 Enerji Verimliliği ve Kalitesi Sempozyumu, Sakarya, Turkey, 4 - 06 June 2015
- XX. **Orta Gerilimden Bağlanan Özel Sektör Elektrik Santrallerinin Şebeke Güvenilirliğinin Arttırılmasındaki Rolünün İncelenmesi**
KILIÇ L., BASA ARSOY A.
2015 Enerji Verimliliği ve Kalitesi Sempozyumu, Sakarya, Turkey, 4 - 06 June 2015
- XXI. **GERİLİM ÇÖKMESİ KAYNAĞININ YERİNİ BELİRLEMEDE KULLANILAN YÖNTEMLERİN İNCELENMESİ**
KESKİN Y. E., ÇAKIR B., BASA ARSOY A., TEKDEMİR İ. G.
ENERJİ VERİMLİLİĞİ VE KALİTESİ SEMPOZYUMU, Turkey, 23 May 2015
- XXII. **Dağıtılmış Üretim ile İstemli Ada Çalışması**
CANSEVER M., BASA ARSOY A.

- 2014 Elektrik, Elektronik, Bilgisayar ve Biyomedikal Mühendisliği Sempozyumu, Bursa, Turkey, 27 - 29 November 2014
- XXIII. **Analysis of Reduced Order Model Based on Doubly Fed Induction Generators during Different Fault Times**
DÖŞOĞLU M. K., BASA ARSOY A.
8th International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 28 - 30 November 2013, pp.215-219
- XXIV. **Impact of Coupling Breakers in a Power Plant Fault Analysis**
KILIÇ L., BASA ARSOY A.
8th International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 28 - 30 November 2013, pp.581-585
- XXV. **Provision Ancillary Services by Connection of Power Plants at Medium Voltage**
KILIÇ L., BASA ARSOY A.
7th Gas Turbine Conference, London, Canada, 5 - 06 November 2013
- XXVI. **A Reliability Study of Medium Voltage Grid with Private Sector Power Plants**
KILIÇ L., BASA ARSOY A.
The 3rd International Conference on Electric Power and Energy Conversion System, İstanbul, Turkey, 2 - 04 October 2013
- XXVII. **Uyarlamalı Medyan Filtresi ve Birikimli Toplam Yöntemleri ile Bir Güç Sisteminde Arıza Tespitinin İncelenmesi**
TEKDEMİR İ. G., BASA ARSOY A., ALBOYACI B., KESKİN Y. E.
2013 Enerji Verimliliği ve Kalitesi Sempozyumu, Kocaeli, Turkey, 23 - 24 May 2013
- XXVIII. **Tam ve Azaltılmış Derece Modelli Rüzgar Santrallerinin Geçici Durum Davranışı**
DÖŞOĞLU M. K., BASA ARSOY A.
2013 Enerji Verimliliği ve Kalitesi Sempozyumu, Kocaeli, Turkey, 23 - 24 May 2013
- XXIX. **Gerilim Çökmesi Kaynağının Yerini Belirlemede Kullanılan Yöntemlerin İncelenmesi**
KESKİN Y. E., BASA ARSOY A., ÇAKIR B., TEKDEMİR İ. G.
2013 Enerji Verimliliği ve Kalitesi Sempozyumu, Kocaeli, Turkey, 23 - 24 May 2013
- XXX. **Dengesiz Güç Sistemlerinde Dağıtılmış Üretim**
SEZGİN M. S., BASA ARSOY A.
2012 Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Bursa, Turkey, 29 November - 01 December 2012
- XXXI. **Transformatör Enerjilendirme Akımının Etkilerini Azaltıcı Yöntemlerin İncelenmesi**
YALÇIN K., BASA ARSOY A.
2012 Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Bursa, Turkey, 29 November - 01 December 2012
- XXXII. **Load Frequency Control of a Single Area Power System using Gravitational Search Algorithm**
DUMAN S., BASA ARSOY A., YÖRÜKEREN N.
IEEE Conferences, INISTA 2012, International Symposium on INnovations in Intelligent Systems and Applications, 2-4 July Trabzon, (2012), 2 - 04 July 2012
- XXXIII. **Solution of Economic Dispatch Problem using Gravitational Search Algorithm Bursa**
DUMAN S., BASA ARSOY A., YÖRÜKEREN N.
7th International Conference on Electrical and Electronics Engineering (ELECO 2011), 1 - 04 December 2011, pp.54-59
- XXXIV. **Solution of Economic Dispatch Problem using Gravitational Search Algorithm**
DUMAN S., BASA ARSOY A., YÖRÜKEREN N.
7th International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 1 - 04 December 2011
- XXXV. **Investigation of Transient Stability of Multi Machine Power Systems with Multiple UPFC**
DÖŞOĞLU M. K., BASA ARSOY A.
7th International Conference on Electrical and Electronics Engineering, ELECO 2011, Bursa, Turkey, 1 - 04 December 2011

- XXXVI. **Investigation of Various Voltage Sag Analyses in Wind Farm through SVC**
DÖŞOĞLU M. K., BASA ARSOY A.
7th International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 1 - 04 December 2011
- XXXVII. **Şebekede Yaşanan Bozucu Elektriksel Olayların Dağıtılmış Üretim Sistemleri Üzerindeki Etkilerinin İncelenmesi**
KILIÇ L., BASA ARSOY A.
2011 Enerji Verimliliği ve Kalitesi Sempozyumu-EVK 2011, Kocaeli, Turkey, 12 - 13 May 2011
- XXXVIII. **Rüzgar Santralinde Geçici Durum Etkilerinin İncelenmesi**
DÖŞOĞLU M. K., BASA ARSOY A.
2011 Enerji Verimliliği ve Kalitesi Sempozyumu, Kocaeli, Turkey, 12 - 13 May 2011
- XXXIX. **Dağıtılmış Üretim Sistemlerinin Verimli Çalışmasına Yönelik Bir Yaklaşım**
NUROĞLU F. M., BASA ARSOY A.
2009 Enerji Verimliliği ve Kalitesi Sempozyumu, Kocaeli, Turkey, 21 - 22 May 2009
- XL. **Dağıtılmış Üretim Kaynağı İçeren Dağıtım Sistemlerinde Sürekli Durum ve Kısa Devre Analizi**
NUROĞLU F. M., BASA ARSOY A.
2008 Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Bursa, Turkey, 26 - 30 November 2008
- XLI. **Voltage Profile and Short Circuit Analysis in Distribution Systems with DG**
NUROĞLU F. M., BASA ARSOY A.
"EPEC 2008, Electric Power and Energy Conference, Vancouver, Canada, 6 - 07 October 2008
- XLII. **Kısa Süreli Gerilim Azalmaları için Stokastik Yaklaşımlar**
ALBOYACI B., BASA ARSOY A., İNAN E.
2007 Enerji Verimliliği ve Kalitesi Sempozyumu, Kocaeli, Turkey, 17 - 18 May 2007
- XLIII. **Dağıtılmış Üretim Sistemlerinin Güvenilirlik İndisleri Üzerindeki Etkisi**
KAZDALOĞLU A., BASA ARSOY A.
2006 Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Bursa, Turkey, 6 - 10 December 2006
- XLIV. **Gerilim Düşmesi Süresinin Transformatör Mıknatıslanma Akım Üzerindeki Etkileri**
Şengül M., Öztürk F. S., Basa Arsoy A., Gencer Ö. Ö., İnan E., Karaarslan K.
Enerji Verimliliği ve Kalitesi Sempozyumu, EVK, Kocaeli, Turkey, 17 - 18 May 2005, pp.102-105
- XLV. **Enerji İletim Hatlarındaki Enerji Kalitesini Düzenleyen Klasik ve Modern Kontrol Yapıları**
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Enerji Verimliliği ve Kalitesi Sempozyumu, Kocaeli, Turkey, 17 - 18 May 2005
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