

Assoc. Prof. Fatma KESKİN ARABUL

Personal Information

Office Phone: [+90 212 383 5848](tel:+902123835848)

Email: fkeskin@yildiz.edu.tr

Web: <http://avesis.yildiz.edu.tr/fkeskin/>

International Researcher IDs

ScholarID: Ud-YHPQAAAAJ

ORCID: 0000-0002-9573-8440

Publons / Web Of Science ResearcherID: AAZ-6244-2020

ScopusID: 57196248309

Yoksis Researcher ID: 23580

Education

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektrik Mühendisliği, Turkey
2014 - 2020

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektrik Mühendisliği, Turkey
2011 - 2014

Undergraduate, Yildiz Technical University, Faculty of Electrical & Electronics, Elektrik Mühendisliği, Turkey 2007 - 2011

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Düşük Moment Dalgalanmasına Sahip Yüksek Verimli Tek Stator Tek Rotorlu Eksenel Aklı Asenkron Motor Tasarımı, Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department, 2020

Postgraduate, Yakıt pilli-bataryalı hibrid bir elektrikli araçta enerji yönetiminin sağlanması, Yıldız Teknik Üniversitesi, Faculty of Electrical & Electronics, Elektrik Mühendisliği, 2014

Research Areas

Avesis Research Areas: Electrical and Electronics Engineering, Electrical Machine Theory and Design, Power Apparatus (transformers,reactors,switchgear,etc.), Engineering and Technology

WoS Research Areas: Engineering Computing & Technology (Eng), Engineering, Engineering Electrical & Electronic

Scopus Research Areas: General Engineering, Signal Processing

Academic Positions

Associate Professor, Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department,
2025 - Present

Assistant Professor, Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department, 2021 - 2025

Assistant Professor, University of Waterloo, Faculty of Engineering, Electrical & Computer Engineering, 2022 - 2023

Research Assistant, Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department, 2013 - 2020

Academic and Administrative Experience

Deputy Head of Department, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2023 - 2025

Deputy Head of Department, Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department, 2021 - 2022

Courses

Postgraduate

Özel Elektrik Makinaları, Postgraduate, 2024 - 2025, 2023 - 2024

Seminer, Postgraduate, 2021 - 2022

Undergraduate

Elektrik Makinaları 2, Undergraduate, 2024 - 2025, 2023 - 2024, 2021 - 2022

Elektrik Makinaları Laboratuvarı 1 , Undergraduate, 2025 - 2026, 2024 - 2025, 2023 - 2024, 2021 - 2022, 2020 - 2021

Çok Disiplinli Tasarım Projesi, Undergraduate, 2025 - 2026, 2024 - 2025, 2023 - 2024, 2021 - 2022

Bitirme Çalışması, Undergraduate, 2024 - 2025, 2023 - 2024, 2021 - 2022

Electric Machinery Laboratory 2 , Undergraduate, 2024 - 2025, 2023 - 2024, 2021 - 2022, 2020 - 2021

Mühendislik Tasarımı, Undergraduate, 2025 - 2026, 2024 - 2025, 2023 - 2024

Elektrik Makinaları 1, Undergraduate, 2025 - 2026, 2024 - 2025, 2023 - 2024, 2021 - 2022

Electric Machinery and Applications, Undergraduate, 2024 - 2025, 2023 - 2024, 2021 - 2022

Supervised Theses

Keskin Arabul F., Elektrikli Araç Uygulamalarında Kullanılan Asenkron Motor ile Aynı Stator Geometrisine Sahip Sürekli Mıknatıslı Senkron Motorun Tasarımı, Analizi ve Karşılaştırılması, Postgraduate, E.Tarık(Student), 2022

Articles

- I. **The scientific outputs of earthquakes in Türkiye: A bibliometric analysis**
Yılmaz S., Acar U., Akbaba M. F., Akbulut T., Akgün C., Akın O., Akpınar B., Akyıldız Alçura G., Aladağ H., Alp S., et al.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, vol.43, no.2, pp.513-522, 2025 (ESCI, Scopus)
- II. **Electric Machine Design and Integration for an Electric Propulsion System in Medium-Altitude Long-Endurance Unmanned Aerial Vehicles**
Kurt E., Arabul A. Y., Keskin Arabul F., Şenol İ.
APPLIED SCIENCES, vol.15, no.7, pp.3438, 2025 (SCI-Expanded, Scopus)
- III. **Parallel hybrid propulsion system with integration of designed electric machine for medium altitude long endurance UAV**
Kurt E., ARABUL A. Y., KESKİN ARABUL F., ŞENOL İ.
Heliyon, vol.11, no.4, 2025 (SCI-Expanded, Scopus)
- IV. **EFFECTS OF ASYMMETRICAL STATOR STRUCTURE ON BLDC MOTOR PERFORMANCE FOR HOUSEHOLD**

APPLIANCES

Kartal E. T., Keskin Arabul F.

Mühendislik Bilimleri ve Tasarım Dergisi, vol.12, no.4, pp.663-675, 2024 (TRDizin)

- V. **A Multi-Phase Brushless Direct Current Motor Design and Its Implementation in Medium-Altitude Long-Endurance Unmanned Aerial Vehicles**
Kurt E., Arabul A. Y., Keskin Arabul F., Şenol İ.
APPLIED SCIENCES, vol.14, no.14, pp.11550-11563, 2024 (SCI-Expanded, Scopus)
- VI. **Effects of air gap eccentricity on different rotor structures for PMSM in electric vehicles**
Kartal E. T., Keskin Arabul F.
Scientific Reports, vol.14, no.1, 2024 (SCI-Expanded, Scopus)
- VII. **PERFORMANCE COMPARISON OF WINDING TYPES AND ROTOR STRUCTURE IN SYNCHRONOUS RELUCTANCE MOTOR**
Kartal E. T., Keskin Arabul F.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.12, no.4, pp.835-847, 2024 (TRDizin)
- VIII. **Comprehensive Multidisciplinary Electric Vehicle Modeling: Investigating the Effect of Vehicle Design on Energy Consumption and Efficiency**
Aslan E., Yaşa Y., Meseci Y., Keskin Arabul F., Arabul A. Y.
SUSTAINABILITY, vol.16, no.12, pp.4928, 2024 (SCI-Expanded, SSCI, Scopus)
- IX. **A Comparison between IM and IPMSM with Same Stator Core for EV and Performance Analysis of IPMSM**
Kartal E. T., Keskin Arabul F.
Avrupa Bilim ve Teknoloji Dergisi, no.38, pp.165-172, 2022 (Peer-Reviewed Journal)
- X. **Induction Traction Motor Design and Performance Analysis for Railways**
Ulu E., Bekiroğlu K. N., Keskin Arabul F., Arabul A. Y.
Avrupa Bilim ve Teknoloji Dergisi, no.35, pp.243-251, 2022 (Peer-Reviewed Journal)
- XI. **Design Improvements for Upgrading an IE3 Efficiency Class 5.5 kW Induction Motor to IE4 Efficiency Class**
AYBENİZ Y., BEKİROĞLU K. N., KESKİN ARABUL F., OBDAN A. H., ARABUL A. Y.
Avrupa Bilim ve Teknoloji Dergisi, no.35, pp.133-141, 2022 (Peer-Reviewed Journal)
- XII. **Perspectives and Development of Electrical Systems in More Electric Aircraft**
ARABUL A. Y., Kurt E., Arabul F. K., ŞENOL İ., Schrotter M., Breda R., Megyesi D.
INTERNATIONAL JOURNAL OF AEROSPACE ENGINEERING, vol.2021, 2021 (SCI-Expanded, Scopus)
- XIII. **Experimental investigation on creep characteristic of the spacer between winding turns of power transformers**
Arabul A. Y., Kumru C. F., Keskin Arabul F., Şenol İ.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.43, no.5, pp.1019-1027, 2021 (SCI-Expanded, Scopus)
- XIV. **Determination of transformer board creep parameters under high-mechanical and thermal stresses**
ARABUL A. Y., KUMRU C. F., KESKİN ARABUL F.
IET SCIENCE MEASUREMENT & TECHNOLOGY, vol.15, no.1, pp.94-100, 2021 (SCI-Expanded, Scopus)
- XV. **Performance Analysis of Axial-Flux Induction Motor with Skewed Rotor**
KESKİN ARABUL F., ŞENOL İ., ÖNER Y.
ENERGIES, vol.13, no.19, 2020 (SCI-Expanded, Scopus)
- XVI. **Modelling of the equally distributed air gapped shunt reactor**
Arabul A. Y., Kurt E., Keskin Arabul F., Şenol İ.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.26, no.2, pp.286-294, 2020 (ESCI, TRDizin)
- XVII. **Experimental thermal investigation of an ONAN distribution transformer by fiber optic sensors**
Arabul A. Y., Keskin Arabul F., Şenol İ.
ELECTRIC POWER SYSTEMS RESEARCH, vol.155, pp.320-330, 2018 (SCI-Expanded, Scopus)
- XVIII. **Providing energy management of a fuel cell-battery-wind turbine-solar panel hybrid off grid smart**

home system

Keskin Arabul F., Arabul A. Y., Kumru C. F., Boynueğri A. R.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.43, pp.26906-26913, 2017 (SCI-Expanded, Scopus)

XIX. **An Investigation on Hot-Spot Temperature Calculation Methods of Power Transformers**

Arabul A. Y., Şenol İ., Keskin Arabul F., Aydeniz M. G., Öner Y., Kalkan G.

World Academy of Science, Engineering and Technology International Journal of Energy and Power Engineering, no.9, pp.1036-1040, 2015 (Peer-Reviewed Journal)

XX. **Providing Energy Management of a Fuel Cell-Battery Hybrid Electric Vehicle**

Keskin Arabul F., Şenol İ., Arabul A. Y., Boynueğri A. R.

World Academy of Science, Engineering and Technology International Journal of Energy and Power Engineering, no.9, pp.975-979, 2015 (Peer-Reviewed Journal)

Books

I. **Electric Machinery Experiments**

Şenol İ., Bekiroğlu K. N., Zorlu Partal S., Aydeniz M. G., Ayçiçek E., Özçira S., Öner Y., Arabul A. Y., Ağçal A., Keskin Arabul F.

Birsen Yayınevi, İstanbul, 2016

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Analytical Design, Simulation and Optimization of a 500 kW Doubly Fed Induction Generator**

Ebrahim M. H. A., Kartal E. T., Keskin Arabul F., Arabul A. Y.

2025 14th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucuresti, Romania, 9 - 11 October 2025, pp.1-6, (Full Text)

II. **Design and Implementation of a High-Efficiency Motor Driver for PMSMs in Electric Vehicle Applications**

Abdullah O., Kartal E. T., Keskin Arabul F., Arabul A. Y.

2025 17th Electrical Engineering Faculty Conference - Energetics and Efficiency (BuleF), Varna, Bulgaria, 10 - 13 September 2025, pp.1-5, (Full Text)

III. **Geometric and Magnetic Enhancements in IPMSM Design for Electric Vehicles and Industrial Applications**

Kahraman H. İ., Kartal E. T., Keskin Arabul F., Arabul A. Y.

2025 17th Electrical Engineering Faculty Conference - Energetics and Efficiency (BuleF), Varna, Bulgaria, 10 - 13 September 2025, pp.1-5, (Full Text)

IV. **An Analysis of Magnet Materials and Arrangements on PMSynRM**

Kartal E. T., Keskin Arabul F.

6th INTERNATIONAL ISTANBUL CURRENT SCIENTIFIC RESEARCH CONGRESS, İstanbul, Turkey, 4 - 05 February 2025, pp.739-740, (Summary Text)

V. **Examination of Two Different Types of Auxiliary Slot Structures in the Rotor of an Induction Motor**

Kartal E. T., Keskin Arabul F.

4th International Congress on Scientific Advances, Balıkesir, Turkey, 25 - 28 December 2024, pp.119-126, (Full Text)

VI. **Investigation of The Impact of Slot Geometry on Brushless DC Motors**

Güldal Z. Z., Kartal E. T., Keskin Arabul F.

IV International Symposium on Applied Geoinformatics, Wroclaw, Poland, 9 - 10 May 2024, pp.142-146, (Full Text)

VII. **The Changing Landscape of the Automotive Industry: Impacts on Vehicle Wiring Harnesses**

Özkanoglu H. S., Keskin Arabul F., Kartal E. T.

- IV International Symposium on Applied Geoinformatics , Wroclaw, Poland, 9 - 10 May 2024, pp.64, (Summary Text)
- VIII. **Şubat 2023 Depremlerinin Bölgede Oluşturduğu Etkiler ve Yapay Zeka ile Afet Yönetim Planlaması**
Doğan U., Yüzer N., Acar U., Akbaba M. F., Akbulut M. T., Akgün C., Akın O., Akkaya H. C., Akpınar B., Aktaş Z., et al.
Türkiye Ulusal Jeodezi Komisyonu (TUJK) XXII. Sempozyumu 2023, Trabzon, Turkey, 29 November - 01 December 2023, pp.5-6, (Summary Text)
- IX. **Investigation of temperature effects on the ageing of paper-oil insulation under repetitive transient voltages**
Arabul A. Y., Keskin Arabul F., Jayaram S.
2023 IEEE Electrical Insulation Conference (EIC), Quebec, Canada, 18 - 21 June 2023, pp.183-186, (Full Text)
- X. **A study on the use of zinc oxide micro-varistor based field grading materials for composite line insulators**
Keskin Arabul F., Arabul A. Y., Cherney E., Jayaram S.
2023 IEEE Electrical Insulation Conference (EIC), Quebec, Canada, 18 - 21 June 2023, pp.117-120, (Full Text)
- XI. **Evaluation of the Stress Grading System of Medium Voltage Motors Fed by Adjustable Speed Drives under Elevated Ambient Temperatures**
KESKİN ARABUL F., ARABUL A. Y., Naeini A., Jayaram S., Cherney E.
2023 IEEE Conference on Electrical Insulation and Dielectric Phenomena, CEIDP 2023, New Jersey, United States Of America, 15 - 19 October 2023, (Full Text)
- XII. **EFFECTS OF STATOR WINDING TYPES AND ROTOR SLOT GEOMETRIES ON MOTOR PERFORMANCE OF AN INDUCTION MOTOR FOR AN ELECTRIC VEHICLE**
Kartal E. T., Keskin Arabul F.
9th International Congress on Engineering, Architecture and Design, İstanbul, Turkey, 14 - 16 May 2022, pp.269-276, (Full Text)
- XIII. **SÜREKLİ MIKNATISLI SENKRON GENERATÖRÜN RÜZGAR TÜRBİNLERİNDE KULLANILAN DİĞER GENERATÖR TİPLERİYLE KARŞILAŞTIRILMASI VE VERİMİNİN İYİLEŞTİRİLMESİ**
Arıncı B., Bekiroğlu K. N., Keskin Arabul F.
8. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 6 - 07 December 2021, pp.360-367, (Full Text)
- XIV. **ASENKRON CER MOTORLARINDA KULLANILAN ÇELİK SACLARIN MOTOR VERİM DEĞERİNE OLAN ETKİLERİ**
Ulu E., Bekiroğlu K. N., Keskin Arabul F.
7. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 21 - 22 May 2021, pp.189-198, (Full Text)
- XV. **Electrode Design to Simulate Electrical Stress on Spacer Used In Creep Test Set-Up**
Arabul A. Y., Kumru C. F., Keskin Arabul F., Şenol İ.
Euroasia 5th. International Congress on Applied Sciences, Adana, Turkey, 15 - 17 November 2019, pp.712-718, (Full Text)
- XVI. **An experimental test set-up design for acquiring creep curve of the spacer between the winding turns of power transformers**
ARABUL A. Y., KESKİN ARABUL F., KUMRU C. F., ŞENOL İ.
6th International Conference on Control Engineering and Information Technology, CEIT 2018, İstanbul, Turkey, 25 - 27 October 2018, (Full Text)
- XVII. **Providing Energy Management of a Fuel Cell-Battery-Wind Turbine-Solar Panel Hybrid Grid Independent Smart Home System**
Keskin Arabul F., Arabul A. Y., Kumru C. F., Boynueğri A. R.
International Green Energy Conference & Euro-Mediterranean Hydrogen Technologies Conference 2016. ETRERA 2020, Tunis, Tunisia, 10 May 2016, pp.1, (Unpublished)
- XVIII. **An Investigation On Flux Density Of Three Phase Distrubuted Air-Gap 3-5 Legged Shunt Reactor**
Kurt E., ARABUL A. Y., ŞENOL İ., KESKİN ARABUL F.
Proceedings of The IRES 21st International Conference, Amsterdam, Netherlands, 23 December 2015, pp.91-95,

(Full Text)

- XIX. **An Experimental Study For Comparing The Effect Of The Magnetic Field On Human Health Around Transformers In Sinusoidal And Non-Sinusoidal Current Conditions**
Arabul A. Y., Senol I., Kumru C. F., Boynuegri A. R., Keskin Arabul F.
The 5th International Symposium on Sustainable Development (ISSD2014), Sarajevo, Bosnia And Herzegovina, 15 May 2014, pp.129-136, (Full Text)

Funded Projects

- BAYRAM B., OĞURLU M., BAKIRMAN T., VARANK G., İLHAN H. O., YAZICI GÜVENÇ S., ARABUL A. Y., CAN GÜVEN E., KESKİN ARABUL F., KULAVUZ B., Project Supported by Higher Education Institutions, BAP Other, Atksu Sistemlerinin Robotik ve Yapay Zeka Teknolojileri ile Sürdürülebilir İzlenmesi, 2025 - Present
- KESKİN ARABUL F., KARTAL E. T., YAŞA Y., ARABUL A. Y., BEKİROĞLU K. N., Project Supported by Higher Education Institutions, BAP Other, Elektrikli Araçlar için Sürekli Mıknatıs Destekli Senkron Relüktans Motor Tasarımı ve Uygulaması, 2024 - Present
- İlhan S., Keskin Arabul F., Polat A., TUBITAK Project, 2209-B - Sanayiye Yönelik Lisans Araştırma Projeleri Destekleme Programı, Hafif Segment Elektrikli Araçlar için Sürekli Mıknatıs Destekli Senkron Relüktans Motor Tasarımı, 2025 - 2026
- YÜZER N., ARABUL A. Y., ERSOY Ş., KILIÇ H., SELÇUK M. E., TONAROĞLU M., DEMİR A., GÜLGEN F., ACAR U., ÇAKMAKCI M., et al., Project Supported by Higher Education Institutions, BAP Guided, Şubat 2023 Depremlerinin Bölgede Oluşturduğu Etkiler ve Yapay Zeka ile Afet Yönetim Planlaması, 2023 - 2024
- YAVUZ S., ARABUL A. Y., BEKİROĞLU K. N., KESKİN ARABUL F., OBDAN A. H., Kaya Ö. F., ÖZÇİRA ÖZKILIÇ S., Güzel S., USLU E., Arıtürk M., et al., Project Supported by Higher Education Institutions, BAP Guided, Otonom Karşılama ve Güvenlik Robotu, 2022 - 2024
- Aksu M., Keskin Arabul F., Gürses Y. Ç., Kahraman B., Tezcan A., TUBITAK Project, 2209-B - Sanayiye Yönelik Lisans Araştırma Projeleri Destekleme Programı, Yenilenebilir Enerji Santralleri ve Enerji Dağıtım Şebekelerinde Termal Kamera ile Arıza Tespiti ve Giderilmesi, 2022 - 2024
- Keskin Arabul F., TUBITAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, Alana Bağlı Doğrusal Olmayan Stres Derecelendirme Malzemeleri Kullanılan Orta Gerilim Motorları için Yalıtım Sistemi İyileştirmesi, 2022 - 2023
- Arabul A. Y., Şenol I., Kumru C. F., TUBITAK Project, 1002 - Quick Support Program, Experimental Investigation of Creep Characteristic of Spacer Insulation Component between Winding Turns in Power Transformers under Different Operating Conditions, 2019 - 2020

Activities in Scientific Journals

Power System Engineering Research, Assistant Editor/Section Editor, 2023 - Present

Memberships and Roles in Scientific Organizations

IEEE, Member, 2023 - Present, Turkey

Peer Reviews in Scientific Publications

- IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, Journal Indexed in SCI-E, January 2025
- Seventh International Conference on Electric Power and Energy Conversion Systems (EPECS 2024) , Conference Paper (Full Text), September 2024
- POWER SYSTEM ENGINEERING RESEARCH, Other journals, November 2023
- ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, July 2023

ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, December 2022
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, April 2022
IEEE ACCESS, Journal Indexed in SCI-E, August 2021
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, June 2021
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, May 2021
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, May 2021
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, May 2021
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, April 2021
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, December 2020
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, December 2020
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, December 2020
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, December 2020
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, December 2020
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, August 2020
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, May 2020
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, May 2020
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, April 2020
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, March 2020
ELECTRICAL ENGINEERING, Journal Indexed in SCI-E, February 2020
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, SCI Journal, January 2018
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, December 2017
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, October 2017

Metrics

Publication: 42
Citation (WoS): 157
Citation (Scopus): 202
H-Index (WoS): 5
H-Index (Scopus): 6

Congress and Symposium Activities

IV International Symposium on Applied Geoinformatics , Attendee, Wroclaw, Poland, 2024
2023 IEEE Electrical Insulation Conference (EIC), Attendee, Quebec, Canada, 2023
The IRES-27th International Conference on Innovative Engineering Technologies (ICIET), Session Moderator, Amsterdam, Netherlands, 2015
ICPCE 2015 : 17th International Conference on Power and Control Engineering, Attendee, Paris, France, 2015

Awards

KESKİN ARABUL F., Elektrik Mühendisliği Bölüm İkinciliği, YILDIZ TEKNİK ÜNİVERSİTESİ, June 2011