

## Lect. ALİ KÖSE



### Personal Information

**Office Phone:** [+90 312 354 8401](tel:+903123548401) Extension: 1017

**Fax Phone:** [+90 312 354 3835](tel:+903123543835)

**Email:** [alikose@gazi.edu.tr](mailto:alikose@gazi.edu.tr)

**Web:** <https://abs.gazi.edu.tr/alikose>

**Address:** Teknik Bilimler MYO, Ostim Mahallesi, Cevat Dünder Caddesi, No:19, Ostim / ANKARA



### International Researcher IDs

ScholarID: 6QDkvqYAAAAJ

ORCID: 0000-0002-2107-4338

Publons / Web Of Science ResearcherID: I-7514-2019

ScopusID: 50123456789

Yoksis Researcher ID: 46935

### Education Information

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (YI) (Tezli), Turkey  
2010 - 2014

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Elektrik Eğitimi, Turkey 2005 -  
2009

### Biography

Ali Köse received the B.Sc. and M.Sc. degrees in Electrical Teaching department from Gazi University in 2009 and 2014, respectively. He continues PhD education in Electrical and Electronic Engineering Department in Gazi University. He works as a Lecturer at the Technical Sciences Vocational School in Gazi University since 2012.

He conducts research on control and applications of power electronics converters, renewable energy sources and power conversion. He also gives programmable logic controller based automation lectures / courses.

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

IT, ÜNİVERSİTELER İLE KOBİ'LER ARASI İŞBİRLİĞİNİN GELİŞTİRİLMESİ (Mesleki Eğitim Kursları-WEB Programcısı Yetiştirme), Meridyen Bilgisayar, 2009

IT, Visual Studio (.NET) Eğitimi, PRESTIGE EDUCATION, 2009

## Dissertations

Postgraduate, Sabit kondansatörlü tristör kontrollü reaktör ile güç katsayısının düzeltilmesi, Gazi University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (YI) (Tezli), 2014

## Research Areas

Electrical and Electronics Engineering, Energy, Renewable energy, Power Electronics, Electric Motor Drivers, Power Converters, Power Quality, Engineering and Technology

## Academic Titles / Tasks

Lecturer, Gazi University, Teknik Bilimler Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2014 - Continues

Lecturer, Gazi University, Ostim Meslek Yüksekokulu, Elektrik ve Enerji, 2012 - 2014

Lecturer, Gazi University, Gazi Meslek Yüksekokulu, Elektrik ve Enerji, 2010 - 2012

## Academic and Administrative Experience

Head of Department, Gazi University, Teknik Bilimler Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2022 - Continues

Internship Committee Member, Gazi University, Teknik Bilimler Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2021 - Continues

Bölüm Kalite Komisyonu Başkanı, Gazi University, Teknik Bilimler Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2021 - Continues

Birim Stratejik Plan Komisyonu Üyesi, Gazi University, Teknik Bilimler Meslek Yüksekokulu, Elektrik Ve Enerji Bölümü, 2021 - Continues

Program Koordinatörü, Gazi University, Teknik Bilimler Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2021 - 2022

Deputy Head of Department, Gazi University, Teknik Bilimler Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2014 - 2018

## Courses

Görsel Programlama, Associate Degree, 2022 - 2023

ELEKTRİK PROJESİ, Associate Degree, 2022 - 2023

ELEKTRİK ELEKTRONİK ÖLÇME, Associate Degree, 2022 - 2023

PROGRAMLANABİLİR MANTIK DENETLEYİCİLER, Associate Degree, 2022 - 2023

Mikrodenetleyiciler-II, Associate Degree, 2021 - 2022

Elektrik Enerji Santralleri, Associate Degree, 2022 - 2023

ELEKTROMEKANİK KUMANDA SİSTEMLERİ, Associate Degree, 2020 - 2021

EET-131 MİKRODENETLEYİCİLER, Associate Degree, 2017 - 2018

EET-225 SCADA SİSTEMLERİ, Associate Degree, 2017 - 2018

EET-222 PROGRAMLANABİLİR DENETLEYİCİLER, Associate Degree, 2017 - 2018

ELK-137 GÜÇ ELEKTRONİĞİ, Associate Degree, 2017 - 2018

ELK-2002 PROGRAMLANABİLİR DENETLEYİCİLER, Associate Degree, 2017 - 2018

ENR-205 HİDROELEKTRİK SANTRALLER, Associate Degree, 2017 - 2018

EET-206 PROGRAMLANABİLİR MANTIK DENETLEYİCİLERİ, Associate Degree, 2017 - 2018

ELK-220 ELEKTRİK PROJESİ, Associate Degree, 2017 - 2018

EET-207 KUMANDA DEVRELERİ, Associate Degree, 2017 - 2018

ELK-201 ASENKRON VE SENKRON MAKİNALAR, Associate Degree, 2017 - 2018

ELK-111 ELEKTRİK ENERJİ SANTRALLERİ, Associate Degree, 2017 - 2018  
ENR-101 ENERJİ ÜRETİMİNİN TEMELLERİ, Associate Degree, 2017 - 2018  
ENDÜSTRİ STAJI-II, Associate Degree, 2016 - 2017  
ENDÜSTRİ STAJI-I, Associate Degree, 2016 - 2017  
PROGRAMLANABİLİR DENETLEYİCİLER, Associate Degree, 2016 - 2017  
GÜÇ SİSTEM ANALİZİ, Associate Degree, 2016 - 2017  
ENERJİ SİSTEMLERİ LAB.1, Undergraduate, 2016 - 2017  
SENSÖRLER VE TRANSDÜSERLER, Associate Degree, 2016 - 2017  
ENERJİ İLETİM VE DAĞITIMI, Associate Degree, 2016 - 2017  
ELEKTRİK MAKİNALARI I, Associate Degree, 2016 - 2017  
BİLGİSAYAR DESTEKLİ PROJE I, Associate Degree, 2016 - 2017  
DOĞRU AKIM DEVRE ANALİZİ, Associate Degree, 2016 - 2017  
HİDROELEKTRİK SANTRALLER, Associate Degree, 2016 - 2017

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Design and experimental analysis of an advanced static VAR compensator with computer aided control**  
Irmak E., Bayındır R., Köse A.  
ISA TRANSACTIONS, vol.64, pp.384-393, 2016 (SCI-Expanded)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Optimization of PID Parameters Using Ant Colony Algorithm for Position Control of DC Motor**  
Şimşek E. C., Köse A., Şahin M., Irmak E.  
8th International Conference on Renewable Energy Research and Applications, Brasov, Romania, 3 - 06 November 2019
- II. **Effects of Change in Wind Energy Generation on the Power Grid Angle**  
YEŞİL M., KÖSE A., IRMAK E.  
IEEE Global Power, Energy and Communication Conference, Nevşehir, Turkey, 12 - 15 June 2019
- III. **A NEW APPROACH FOR ELECTRICITY ENERGY GENERATION FROM WASTE HEAT ENERGY: BATTERY CHARGER WITH THERMOELECTRIC GENERATOR**  
IRMAK E., KÖSE A., TEKİNCAN E. B.  
6th European Conference on Renewable Energy Systems (ECRES 2018), İstanbul, Turkey, 25 - 27 June 2018
- IV. **MEYVE-SEBZE KURUTMA MAKİNELERİ İÇİN ARDUİNO TABANLI NEME DUYARLI FAN KONTROL TASARIMI**  
KILIÇ F., KÖSE A.  
1st International Turkish World Engineering and Science Congress, Antalya, Turkey, 7 - 10 December 2017, pp.176-180
- V. **A Smart Home Application Based on Wireless Sensor Networks**  
IRMAK E., GÖÇMEN G., KÖSE A.  
V. European Conference on Renewable Energy Systems (ECRES'xx2017), 27 - 30 August 2017
- VI. **ÜÇ DÖNEM 3 3 EĞİTİM MODELİNİN UYGULANMASINDA KARŞILAŞILAN SORUNLAR VE ÇÖZÜM ÖNERİLERİ**  
AYYILDIZ Ö., KÖSE A., GÜLDAŞ A.  
Uluslararası Yükseköğretimde Mesleki Eğitim ve Öğretim Sempozyumu, Çorum, Turkey, 12 - 15 October 2016, pp.190-195
- VII. **Simulation and ZigBee Based Wireless Monitoring of the Amount of Consumed Energy at Smart Homes**

Irmak E., Köse A., Gocmen G.

5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, United Kingdom, 20 - 23 November 2016, pp.1019-1023

**VIII. Modeling and Simulation of a Static VAR Compensator based on FC-TCR**

KÖSE A., IRMAK E.

5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, United Kingdom, 20 - 23 November 2016, pp.924-927

**IX. A Web Based Real Time Industrial Energy Monitoring System**

IRMAK E., BÜLBÜL H. İ., KÖSE A., CALPBİNİCİ A.

Fourth International Conference on Power Engineering, Energy and Electrical Drives (POWERENG), İstanbul, Turkey, 13 - 17 May 2013, pp.1713-1716

**X. Monitoring the quality of electrical energy and improving it using thyristor controlled reactor**

IRMAK E., Colak I., Sagioglu Ş., KÖSE A., Kabalci E.

1st International Conference on Renewable Energy Research and Applications, ICRERA 2012, Nagasaki, Japan, 11 - 14 November 2012

**XI. Güneş Enerjisiyle Led li Aydınlatma Sistemi ve Operatör Panel Üzerinden İzleme ve Kontrol Uygulaması**

IRMAK E., KÖSE A.

Ulusal Meslek Yüksekokulları Çalıştayı ve Öğrenci Sempozyumu, Nevşehir, Turkey, 13 - 15 June 2012, pp.34-41

**XII. Implementation of an Interactive Remote Laboratory Platform for Stepper Motor Experiments**

Irmak E., Çolak İ., Kabalci E., Köse A.

15th International Power Electronics and Motion Control Conference and Exposition (EPE-PEMC ECCE Europe), Novi-Sad, Serbia, 4 - 06 September 2012

**XIII. Development of a Real Time Monitoring and Control System for PLC Based Elevator**

Irmak E., Colak I., Kaplan O., Köse A.

14th European Conference on Power Electronics and Applications (EPE)/ECCE Europe Conference on Power Electronics and Adjustable Speed Drives - Towards the 20-20-20 Target, Birmingham, United Kingdom, 30 August - 01 September 2011

**XIV. Design and Implementation of a Computer Interacted Smart Home System Based on PLC**

Irmak E., Kabalci E., Köse A.

4th International Conference of Application of Information and Communication Technologies (AICT), Toskent, Uzbekistan, 12 - 14 October 2010, pp.1-5

## Supported Projects

Irmak E., Köse A., Project Supported by Higher Education Institutions, Elektrik Enerji Kalitesinin İzlenmesi ve İyileştirilmesi, 2011 - 2013

Irmak E., Güler N., Köse A., Project Supported by Higher Education Institutions, Endüstriyel İşletmelerde Elektrik Güç Parametrelerinin İnternet Üzerinden Takibi ve Analizi, 2011 - 2012

## Scientific Refereeing

ISA TRANSACTIONS, Journal Indexed in SCI-E, September 2018

ISA TRANSACTIONS, Journal Indexed in SCI-E, December 2017

ISA TRANSACTIONS, Journal Indexed in SCI-E, July 2016

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, National Scientific Refreed Journal, May 2016

## **Metrics**

Publication: 15

Citation (WoS): 15

Citation (Scopus): 43

H-Index (WoS): 3

H-Index (Scopus): 5