

## Res. Asst. PhD KASIM ZOR

### Personal Information

**Other Email:** kzor@atu.edu.tr

**Web:** <https://www.kasimzor.com.tr>

**Address:** Adana Alparslan Türkeş Bilim ve Teknoloji Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Balcalı Mah. Çatalan Cad. No:201/2 01250 Sarıçam/Adana

### Biography

Kasim Zor holds a Doctor of Philosophy degree in Electrical and Electronic Engineering from Çukurova University.

He has been working at Electrical and Electronic Engineering Department of Adana Alparslan Türkeş Science and Technology University since February 2013.

His research interests include energy analytics, energy forecasting, distributed generation, energy economics, and energy efficiency.

He is a member of UCTEA Chamber of Electrical Engineers.

### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 2015 - 2019

Post Graduate, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 2012 - 2015

Under Graduate, Cukurova University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2004 - 2010

Under Graduate, Linköpings Universitet (Linköping University), Institute Of Technology, Electrical And Electronics Engineering, Sweden 2007 - 2008

### Foreign Languages

English, C1 Advanced

German, B1 Intermediate

Swedish, B1 Intermediate

### Certificates, Courses and Trainings

Other, Biyogaz Sistemlerinin Tasarımı ve Projelendirmesi Eğitimi, Biyokütle Enerji Sistemleri ve Teknolojileri Merkezi (Ege Üni. Güneş En. Ens.), 2015

Other, Solar Expert Photovoltaics, Deutsche Gesellschaft für Sonnenenergie e.V., 2014

Other, Yüksek Gerilim Tesislerinde İşletme Sorumluluğu Eğitimi, EMO Adana, 2012

### Dissertations

Doctorate, Research and application of real-time short-term electrical energy consumption forecasting using artificial

intelligence based techniques, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, 2019  
Post Graduate, DEVELOPING A SOFTWARE PROGRAM TO DETERMINE THE OPTIMAL CAPACITY RATING OF  
COGENERATION AND TRIGENERATION PLANTS DRIVEN BY GAS ENGINES FOR UNLICENSED GENERATION OF  
ELECTRICITY, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, 2015

## Research Areas

Electrical and Electronics Engineering, Energy, Power System Analysis, Generating Stations and Plants, Renewable energy, Engineering and Technology

## Academic Titles / Tasks

Research Assistant PhD, Adana Science And Technology University, Faculty Of Engineering, Department Of Electrical And Electronic Engineering, 2019 - Continues

Research Assistant, Adana Science And Technology University, Faculty Of Engineering, Department Of Electrical And Electronic Engineering, 2017 - 2019

Research Assistant, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, 2013 - 2017

Research Assistant, Adana Science And Technology University, Mühendislik Ve Doğa Bilimleri Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2013 - 2013

## Professional Experience

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Short-Term Building Electrical Energy Consumption Forecasting by Employing Gene Expression Programming and GMDH Networks**  
Zor K., Celik O., TİMUR O., TEKE A.  
ENERGIES, vol.13, 2020 (Journal Indexed in SCI)
- II. **A simple methodology for capacity sizing of cogeneration and trigeneration plants in hospitals: A case study for a university hospital**  
TEKE A., ZOR K., TİMUR O.  
JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, vol.7, 2015 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Application of Statistical and Artificial Intelligence Techniques for Medium-Term Electrical Energy Forecasting: A Case Study for a Regional Hospital**  
TEKE A., ÇELİK Ö., ZOR K., TİMUR O., İBRİKÇİ T.  
Journal of Sustainable Development of Energy, Water and Environment Systems, 2020 (Refereed Journals of Other Institutions)
- II. **ENHANCEMENT OF A LOW-COST INTELLIGENT DEVICE FOR IMPROVING ENERGY EFFICIENCY IN BUILDINGS**  
TİMUR O., ZOR K., ÇELİK Ö., TEKE A.  
Communications Faculty of Sciences University of Ankara Series A2-A3 Physical Sciences and Engineering, vol.60, pp.103-128, 2018 (Other Refereed National Journals)
- III. **Calculating Payback Periods for Energy Efficiency Improvement Applications at a University Hospital**  
TEKE A., TİMUR O., ZOR K.

## Refereed Congress / Symposium Publications in Proceedings

- I. **Very Short-Term Electrical Energy Consumption Forecasting of a Household for the Integration of Smart Grids**  
ZOR K., Timur O., ÇELİK Ö., YILDIRIM H. B. , TEKE A.  
The European Conference on Sustainability, Energy the Environment, ECSEE2018, Brighton, England, 6 - 07 July 2018
- II. **Optimal Design and Analysis of Single-Stage Flyback P<sub>v</sub> Microinverter**  
ÇELİK Ö., TAN A., ZOR K., TEKE A.  
The European Conference on Sustainability, Energy the Environment, ECSEE2018, Brighton, England, 6 - 07 July 2018
- III. **VERY SHORT-TERM INTERNET OF THINGS BASED FORECASTING OF AIR CONDITIONING LOADS: A CASE STUDY FOR A SERVER ROOM IN A HOSPITAL**  
OĞUZHAN T., ZOR K., ÇELİK Ö., TEKE A.  
II. International Conference on Theoretical and Applied Computer Science and Engineering, ICTACSE, İstanbul, Turkey, 29 - 30 June 2018
- IV. **DEVELOPMENT OF AN INTELLIGENT ENERGY MEASUREMENT DEVICE FOR BUILDINGS**  
OĞUZHAN T., ZOR K., ÇELİK Ö., TEKE A.  
II. International Conference on Theoretical and Applied Computer Science and Engineering, ICTACSE, İstanbul, Turkey, 29 - 30 June 2018
- V. **SIMPLE APPROACHES TO MISSING DATA FOR ENERGY FORECASTING APPLICATIONS**  
ZOR K., ÇELİK Ö., TİMUR O., YILDIRIM H. B. , TEKE A.  
16th International Conference on Clean Energy, ICCE-2018, Gazimagusa, Cyprus (Kktc), 9 - 11 May 2018
- VI. **Interpretation of Error Calculation Methods in the Context of Energy Forecasting**  
ZOR K., TİMUR O., ÇELİK Ö., YILDIRIM H. B. , TEKE A.  
12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES 2017), Dubrovnik, Croatia, 4 - 08 October 2017, pp.1-9
- VII. **Comparative Investigation of Single-Stage and Multi-Stage Grid- Tie Micro-Inverters**  
ÇELİK Ö., TAN A., ZOR K., TİMUR O., YILDIRIM H. B. , TEKE A.  
12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES 2017), Dubrovnik, Croatia, 4 - 08 October 2017, pp.1-6
- VIII. **Design and Implementation of Smart Energy Measurement Plug in Smart Buildings**  
TİMUR O., ZOR K., ÇELİK Ö., YILDIRIM H. B. , TEKE A.  
12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES 2017), Dubrovnik, Croatia, 4 - 08 October 2017, pp.1-12
- IX. **A State-of-the-Art Review of Artificial Intelligence Techniques for Short-Term Electric Load Forecasting**  
Zor K., TİMUR O., TEKE A.  
6th International Youth Conference on Energy (IYCE), Budapest, Hungary, 21 - 24 June 2017
- X. **Techno Economic Analysis of a Grid Connected Hybrid Biogas Photovoltaic Power Generation System in the Mediterranean Region**  
ZOR K., ÇELİK Ö., TEKE A.  
European Conference on Sustainability, Energy the Environment 2016 (ECSEE2016), Brighton, England, 7 - 10 July 2016, pp.1-10
- XI. **Akıllı Eviriciler ile Yenilenebilir Enerji Tabanlı Dağıtık Üretim Sistemlerinin Akıllı Şebekelere Entegrasyonu**  
Latran M. B. , TEKE A., ZOR K.

- IV. Elektrik Tesisat Ulusal Kongre ve Sergisi, İzmir, Turkey, 21 - 24 October 2015, vol.2015/612, pp.246-255
- XII. **Türkiye de Gaz Motorlu Kojenerasyon ve Trijenerasyon Santralleri ile Elektrik Enerjisi Üretimi**  
ZOR K., TEKE A., ÇELİK Ö., LATRAN M. B.  
IV. Elektrik Tesisat Ulusal Kongre ve Sergisi, İzmir, Turkey, 21 - 24 October 2015, vol.2015, pp.189-195
- XIII. **Biyokütle ve Katı Atıkların Yakıt Olarak Kullanıldığı Gaz Motorlu Kojenerasyon Santralleri ile Yenilenebilir Enerji Üretimi**  
ZOR K., TEKE A., TÜMAY M.  
VIII. Yenilenebilir Enerji Kaynakları Sempozyumu (YEKSEM 2015), Adana, Turkey, 15 - 16 October 2015, vol.2015/610, pp.91-95
- XIV. **Developing a Software Program to Determine the Optimal Capacity Rating of Gas Engine Based Cogeneration and Trigeration Plants for Unlicensed Generation of Electricity**  
ZOR K., TEKE A., TİMUR O.  
10th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES 2015), Dubrovnik, Croatia, 27 September - 02 October 2015, vol.20150695, pp.1-12
- XV. **Current Status and Operation Modes of Cogeneration and Trigeration Plants Driven by Gas Engines**  
ZOR K., TEKE A.  
21th International Energy and Environment Fair and Conference (ICCI 2015), İstanbul, Turkey, 6 - 08 May 2015, pp.91-94
- XVI. **Onsite Energy Production with Cogeneration Plants Driven by Reciprocating Gas Engines**  
ZOR K., TEKE A.  
1st South East European Conference on Sustainable Development of Energy, Water and Environment Systems - 1st SEE SDEWES, Ohrid, Macedonia, 29 June - 03 July 2014, vol.20140237, pp.1-9

## Supported Projects

TEKE A., ZOR K., ÇELİK Ö., Project Supported by Higher Education Institutions, Electric Demand Prediction: Data Acquisition, Implementation of ANN and User Interface Design, 2017 - 2019

TEKE A., ZOR K., Project Supported by Higher Education Institutions, DEVELOPING A SOFTWARE TO DETERMINE THE OPTIMUM CAPACITY RATING OF COGENERATION AND TRIGENERATION PLANTS DRIVEN BY GAS ENGINES, 2014 - 2015

TEKE A., TUBITAK Project, Gaz Motoru Tahrikli Kojenerasyon Ve Trijenerasyon Güç Santrallerinin Lisanssız Elektrik Üretimi İçin Optimum Kapasite Degerini Belirleyen Yazılımın Gelistirilmesi, 2014 - 2015

## Activities in Scientific Journals

Journal of World's Electrical Engineering and Technology, Committee Member, 2015 - Continues

## Memberships / Tasks in Scientific Organizations

Elektrik Mühendisleri Odası, Member, 2010 - Continues

IEEE, Member, 2008 - Continues

## Scientific Refereeing

IEEE International Conference on Intelligent Energy and Power Systems (IEPS 2014), Other journals, June 2014

IEEE International Energy Conference (ENERGYCON 2014), Other journals, May 2014

Majlesi Journal of Electrical Engineering, Other Indexed Journal, May 2013

## **Invited Congress and Symposium Activities**

The European Conference on Sustainability, Energy & the Environment 2016, Attendee, Brighton, United Kingdom, 2016

IV. Elektrik Tesisat Ulusal Kongre ve Sergisi, Attendee, İzmir, Turkey, 2015

10th Conference on Sustainable Development of Energy, Water and Environment Systems - SDEWES 2015, Session Moderator, Dubrovnik, Croatia, 2015

VIII. Yenilenebilir Enerji Kaynakları Sempozyumu (YEKSEM 2015), Attendee, Adana, Turkey, 2015

10th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES 2015), Attendee, Dubrovnik, Croatia, 2015

21th International Energy and Environment Fair and Conference (ICCI 2015), Attendee, İstanbul, Turkey, 2015

1st South East European Conference on Sustainable Development of Energy, Water and Environment Systems - SEE SDEWES 2014, Session Moderator, Ohrid, Macedonia, 2014

1st South East European Conference on Sustainable Development of Energy, Water and Environment Systems - SEE SDEWES Ohrid 2014, Attendee, Ohrid, Macedonia, 2014

## **Citations**

Total Citations (WOS):6

h-index (WOS):2

## **Scholarships**

Erasmus Lisans Öğrenimi Bursu (Linköping, İsveç), European Commission, 2007 - Continues

## **Awards**

ZOR K., EEEAG-113E769 nolu proje bursu, TÜBİTAK EEEAG, April 2014