

Asst. Prof. KASIM ZOR

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-4743-2018

Yoksis Researcher ID: 33169

Biography

Kasım Zor holds a PhD degree in Electrical and Electronic Engineering from Çukurova University. He is currently working as an Assistant Professor of Energy and Power Systems at the Department of Electrical and Electronic Engineering in Adana Alparslan Türkeş Science and Technology University and as an Adjunct Assistant Professor at the Department of Electrical and Electronic Engineering in Çukurova University.

In the past, he was an exchange student within the scope of Erasmus Exchange Programme at the Institute of Technology at Linköping University in Sweden, and participated in Erasmus+ Staff Training Mobility Programme at the University of Strathclyde in the UK and at Aalborg University in Denmark.

After graduating from Konya Air Defence School, he worked for Military Engineering Branch of Turkish Land Forces' 4th Mechanised Infantry Brigade as a third and second lieutenant, Energy Division of Sanko Textile as an electrical maintenance engineer, MTU Onsite Energy of Rolls-Royce Solutions Energy, Marine, and Defence Inc. as a service and commissioning engineer, and Electrical and Electronic Engineering Department of both Çukurova University and Adana Alparslan Türkeş Science and Technology University as a research assistant.

His research interests include electric load forecasting, energy analytics and informatics, renewable energy, distributed generation, electrical energy and power systems, and machine learning. He is a member of the International Institute of Forecasters.

Education Information

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

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

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

Undergraduate, Linköpings Universitet (Linköping University), Institute Of Technology, Electrical And Electronics

Engineering, Sweden 2007 - 2008

Foreign Languages

German, B1 Intermediate

English, C1 Advanced

Swedish, B1 Intermediate

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

Postgraduate, 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

Assistant Professor, Cukurova University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2023 - Continues

Assistant Professor, Adana Alparslan Türkeş Science And Technology University, Faculty of Engineering, Department of Electrical and Electronic Engineering, 2021 - Continues

Research Assistant PhD, Adana Alparslan Türkeş Science And Technology University, Faculty Of Engineering, Department Of Electrical And Electronic Engineering, 2019 - 2021

Research Assistant, Adana Alparslan Türkeş 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 Alparslan Türkeş Science And Technology University, Faculty Of Engineering And Natural Sciences, Department Of Electrical And Electronics Engineering, 2013 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

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, no.5, 2020 (SCI-Expanded)

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, no.5, 2015 (SCI-Expanded)

Articles Published in Other Journals

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**
Timur O., Zor K., Çelik Ö., Teke A., İbrikçi T.
JOURNAL OF SUSTAINABLE DEVELOPMENT OF ENERGY, WATER AND ENVIRONMENT SYSTEMS, vol.8, no.3, pp.520-536, 2020 (ESCI)
- 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, no.2, pp.103-128, 2018 (Peer-Reviewed Journal)
- III. **Calculating Payback Periods for Energy Efficiency Improvement Applications at a University Hospital**
Teke A., Timur O., Zor K.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.30, no.1, pp.41-56, 2015 (Peer-Reviewed Journal)
- IV. **Calculating Payback Periods for Energy Efficiency Improvement Applications at University Hospital**
TEKE A., TİMUR O., ZOR K.
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.30, no.1, pp.41-56, 2015 (Peer-Reviewed Journal)

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, United Kingdom, 6 - 07 July 2018
- II. **Optimal Design and Analysis of Single-Stage Flyback P_v Microinverter**
ÇELİK Ö., TAN A., ZOR K., TEKE A.
The European Conference on Sustainability, Energy the Environment, ECSEE2018, Brighton, United Kingdom, 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, United Kingdom, 7 - 10 July 2016, pp.1-10
- XI. **Akıllı Eviriciler ile Yenilenebilir Enerji Tabanlı Dağılık Üretim Sistemlerinin Akıllı Şebekelere Entegrasyonu**
BARGHI LATRAN M., TEKE A., ZOR K.
IV. Elektrik Tesisat Ulusal Kongre ve Sergisi, İzmir, TÜRKİYE., Turkey, 23 - 24 October 2015
- 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), Adana, TÜRKİYE., Turkey, 15 - 16 October 2015
- XIV. **Developing a Software Program to Determine the Optimal Capacity Rating of Gas Engine Based Cogeneration and Trigenation 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 Trigenation 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

Metrics

Publication: 22

Citation (WoS): 8

Citation (Scopus): 46

H-Index (WoS): 2

H-Index (Scopus): 3

Congress and Symposium Activities

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

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

Moderator, Dubrovnik, Croatia, 2015

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

Scholarships

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

Awards

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

Non Academic Experience

Business Establishment Private, Mtu Motor Türbin San. Tic. A.Ş.; Güney Anadolu Bölge Müdürlüğü

MTU ONSITE ENERGY, ROLLS-ROYCE SOLUTIONS ENERJİ DENİZ VE SAVUNMA A.Ş. (ROLLS-ROYCE SOLUTIONS TÜRKİYE)

Business Establishment Private, Sanko Tekstil İşletmeleri Ve San.Tic. A.Ş.

SANKO TEKSTİL İŞLETMELERİ SAN. VE TİC. A.Ş. (SANKO HOLDİNG)

Other Public Institution, Tsk Kkk 4. Mekanize Piyade Tugay Komutanlığı

4. MEKANİZE PİYADE TUGAYI HAVA SAVUNMA BATARYA KOMUTANLIĞI VE İSTİHKAM ŞUBESİ