

Asst. Prof. KEMAL KESKİN

Personal Information

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International Researcher IDs

ScholarID: MISEUUUAAAAJ

ORCID: 0000-0002-3969-2396

Publons / Web Of Science ResearcherID: R-6015-2016

ScopusID: 55382604600

Yoksis Researcher ID: 18402

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Tren dinamiğinin enerji-optimal denetimi, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Elektrik-Elektronik Mühendisliği Bölümü, 2016

Postgraduate, Specification and Formal Verification of Fuzzy Information Processing for the Case of Edge Detection, Northeastern University, Electrical And Computer Engineering, 2009

Research Areas

Electrical and Electronics Engineering

Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, 2017 - Continues

Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, 2010 - 2017

Academic and Administrative Experience

Head of Department, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, 2019 - Continues

Courses

Postgraduate

Introduction to Linear Transformations, Postgraduate, 2020 - 2021, 2018 - 2019, 2017 - 2018

Optimizasyon ve Kontrol, Postgraduate, 2017 - 2018

Undergraduate

Linear Algebra, Undergraduate, 2020 - 2021

Fundamentals of Control Systems, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

Fundamentals of Control Systems, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

Introduction to Electrical Electronics Engineering, Undergraduate, 2017 - 2018

Linear Algebra, Undergraduate, 2017 - 2018

Circuit Analysis II, Undergraduate, 2018 - 2019, 2017 - 2018

Engineering Graphics, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Energy-Efficient Train Operation Optimization in Istanbul Metro Network Considering Variable Passenger Numbers**
Yildiz A., ARIKAN O., KESKİN K.
Transportation Research Record, vol.2678, no.7, pp.224-244, 2024 (SCI-Expanded)
- II. **Fuel constrained combined heat and power dispatch problem using marine predators algorithm**
KESKİN K., URAZEL B.
Electrical Engineering, vol.105, no.6, pp.4011-4023, 2023 (SCI-Expanded)
- III. **A gradient boosting-based mortality prediction model for COVID-19 patients**
Keser S., KESKİN K.
Neural Computing and Applications, vol.35, no.33, pp.23997-24013, 2023 (SCI-Expanded)
- IV. **A new solution approach for non-convex combined heat and power economic dispatch problem considering power loss**
URAZEL B., KESKİN K.
Energy, vol.278, 2023 (SCI-Expanded)
- V. **Traction energy optimization considering comfort parameter: A case study in Istanbul metro line**
Yildiz A., ARIKAN O., KESKİN K.
Electric Power Systems Research, vol.218, 2023 (SCI-Expanded)
- VI. **Energy-Efficient Train Operation Using Nature-Inspired Algorithms**
KESKİN K., KARAMANCIOĞLU A.
JOURNAL OF ADVANCED TRANSPORTATION, pp.1-12, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Prediction of Survival of Heart Failure Patients: An Application of Classification-Based Machine Learning Algorithms**
BOZKURT KESER S., KESKİN K.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.23, no.2, pp.362-369, 2023 (Peer-Reviewed Journal)
- II. **Early stage diabetes prediction using decision tree-based ensemble learning model**
SEN KAYA Ö., BOZKURT KESER S., KESKİN K.
International Advanced Researches and Engineering Journal, vol.7, no.1, pp.62-71, 2023 (Peer-Reviewed Journal)
- III. **Modeling of an electrically driven train motion in a simulation environment and validation of the model on a real line**
Yıldız A., KESKİN K.
Akıllı Ulaşım Sistemleri ve Uygulamaları Dergisi (Online), vol.6, no.1, pp.62-74, 2023 (Peer-Reviewed Journal)
- IV. **SOC ESTIMATION FOR BATTERY OF ELECTRIC VEHICLES**

- Keskin B., SORA GUNAL E., urazel b., Keskin K.
Nicel bilimler dergisi (Online), vol.4, no.2, pp.161-175, 2022 (Peer-Reviewed Journal)
- V. **Breast Cancer Diagnosis with Weighted Vote Based Ensemble Classification Algorithm**
BOZKURT KESER S., KESKİN K.
Mühendislik bilimleri ve arařtırmaları dergisi (Online), vol.4, no.2, pp.112-120, 2022 (Peer-Reviewed Journal)
- VI. **Position Control of Quadrotor using Firefly Algorithm**
Keskin B., KESKİN K.
El-Cezeri Journal of Science and Engineering, vol.9, no.2, pp.554-566, 2022 (Scopus)
- VII. **Traction Control and Total Driving Force Distribution Strategy for Electric Vehicles with Four in Wheel Motors based on PD-Fuzzy Control** **Çekiř Kontrolü ve Dört Tekerlek Motorlu Elektrikli Araçlar için PD-Bulanık Kontrollü Toplam Sürüş Kuvveti Dağıtım Stratejisi**
Shamia I. R. H., KESKİN K.
El-Cezeri Journal of Science and Engineering, vol.9, no.1, pp.65-85, 2022 (Scopus)
- VIII. **A Hybrid Solution Approach for Electric Vehicle Routing Problem with Soft Time-Windows**
URAZEL B., KESKİN K.
El-Cezeri Fen ve Mühendislik Dergisi, vol.8, no.2, pp.994-1006, 2021 (Scopus)
- IX. **Fuzzy control of dual storage system of an electric drive vehicle considering battery degradation**
KESKİN K., URAZEL B.
An International Journal of Optimization and Control: Theories Applications (IJOCTA), vol.11, no.1, pp.30-40, 2021 (ESCI)
- X. **Hybrid Control Of DC \u2013 DC Buck Boost Converter**
SEZEN A., KESKİN K.
Demiryolu Mühendislięi, vol.0, no.14, pp.99-109, 2021 (Peer-Reviewed Journal)
- XI. **Electric Drive Vehicle Model and Simulation with MATLAB**
URAZEL B., KESKİN K.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.4, pp.2461-2473, 2020 (Peer-Reviewed Journal)
- XII. **A Meta Heuristic Approach for Optimal Train Control**
KESKİN K., KARAMANCIOĞLU A.
Girne American University Journal of Social and Applied Sciences, vol.7, no.11, pp.51-56, 2015 (Peer-Reviewed Journal)

Books

- I. **Lineer Cebir: Teori ve Octave Uygulamaları**
GÜLMEZOĞLU M. B., KESKİN K.
Eskişehir Osmangazi Üniversitesi Basımevi, Eskişehir, 2021

Papers Published in Refereed Scientific Meetings

- I. **Performance Improvement of a Fixed-Wing UAV Using Model Predictive Control**
Keskin K., Yıldız A. T.
International Symposium on Unmanned Systems and The Defense Industry, Madrid, Spain, 30 May - 01 June 2022, pp.283-289
- II. **Validation of The Single Train Simulation Model With a Real-World Case Study**
Yildiz A., ARIKAN O., KESKİN K.
2022 IEEE International Conference on Electrical, Computer, and Energy Technologies, ICECET 2022, Prague, Czech Republic, 20 - 22 July 2022
- III. **PID Control Design of An Active Suspension System: Big Bang Big Crunch Approach**
KESKİN K.

ICENTE 2020, Konya, Turkey, 19 - 21 November 2020

IV. Energy Storage Devices for Plug-in Electric Vehicles

KESKİN K.

ICENTE 2020, 19 - 21 November 2020

V. An integer programming model for an energy optimal train operation

KESKİN K., KARAMANCIOĞLU A.

International Conference on Engineering Technologies, Konya, Turkey, 7 - 09 December 2017, vol.1, pp.288-291

VI. Train Motion Dynamic Model Choices

KESKİN K., KARAMANCIOĞLU A.

International Symposium on Electrical Railway Transportation Systems, Eskişehir, Turkey, 27 - 28 October 2017, vol.1, pp.27-29

VII. Energy Optimal Quadrotor Stabilization Using PD control obtained by BB-BC Algorithm

AŞKIN B., KESKİN K., DINDİŞ G., KARAMANCIOĞLU A.

”, International Conference of Applied Sciences, Engineering and Mathematics, Struga-Ohrid, Macedonia, 5 - 07 May 2017, vol.1, pp.91

VIII. A Metaheuristic Approach for Optimal Train Control

KESKİN K., KARAMANCIOĞLU A.

2nd International Symposium on Engineering, Artificial Intelligence and Applications, İstanbul, Turkey, 5 - 07 November 2014

IX. Application of Firefly Algorithm to Train Operation

KESKİN K., KARAMANCIOĞLU A.

8th IEEE International Conference on Intelligent Systems (IS), Sofija, Bulgaria, 4 - 06 September 2016, pp.692-697

X. Energy Efficient Motion Control for a Light Rail Vehicle Using The Big Bang Big Crunch Algorithm

KESKİN K., KARAMANCIOĞLU A.

14th IFAC Symposium on Control in Transportation Systems (CTS), İstanbul, Turkey, 18 - 20 May 2016, vol.49, pp.442-446

XI. The Usage of Conditioned BCG Signals for the Detection of Fundamental Cardiac Arrhythmia Diseases

ERGİN S., KESKİN K.

2015 International Symposium on Innovations in Intelligent Systems and Applications, Madrid, Spain, 2 - 04 October 2015, pp.238-241

XII. Dijkstra Algoritması ile Enerji Verimli Tren İşletimi

KESKİN K., KARAMANCIOĞLU A., BOZKURT KESER S.

Otomatik Kontrol Türk Milli Komitesi Ulusal Toplantısı (TOK2015), Denizli, Turkey, 10 - 12 September 2015, pp.999-1004

XIII. Dijkstra Algoritması ile Enerji Verimli Tren İşletmesi

KESKİN K., KARAMANCIOĞLU A., BOZKURT KESER S.

TOK 2015, Turkey, 10 - 12 September 2015

XIV. The usage of conditioned BCG signals for the detection of fundamental cardiac arrhythmia diseases

ERGİN S., KESKİN K.

2015 International Symposium on Innovations in Intelligent Systems and Applications (INISTA), Madrid, Spain, 2 - 04 September 2015, pp.238-241

XV. Optimal Rail Vehicle Operation With Multiple Speed Constraints

KESKİN K., KARAMANCIOĞLU A.

International Congress on Advanced Railway Engineering (IC-ARE'15), İstanbul, Turkey, 2 - 04 March 2015, pp.381-385

XVI. A Hybrid Optimization Algorithm for Energy Efficient Train Operation

KESKİN K., KARAMANCIOĞLU A.

International Symposium on Innovations in Intelligent Systems and Applications (INISTA 2015), Madrid, Spain, 2 - 04 September 2015, pp.93-98

XVII. Trafik Sinyal Kontrol Probleminin Sezgisel Algoritma ile Çözülmesi

KESKİN K., YAZICI A., BOZKURT KESER S., BİLGİÇ Ş., KARACASU M.

Otomatik Kontrol Türk Milli Komitesi Ulusal Toplantısı (TOK2012), Niğde, Turkey, 11 - 13 October 2012, pp.779-783

XVIII. A multicriteria route planning approach considering driver preferences

BOZKURT KESER S., YAZICI A., KESKİN K.

2012 IEEE International Conference on Vehicular Electronics and Safety (ICVES 2012), Istanbul, Turkey, 24 - 27 July 2012, pp.324-328

Supported Projects

KESKİN K., YILDIZ A. T., Project Supported by Higher Education Institutions, Model Öngörülü Kontrol Yöntemi ile Sabit Kanatlı İnsansız Hava Aracının Çok Amaçlı Yörünge Optimizasyonu, 2022 - 2022

Keskin K., Urazel B., Project Supported by Higher Education Institutions, Elektrikli Araç Dinamiğinin MATLAB Ortamında Gerçeklenmesi, 2020 - 2021

KESKİN K., KARAMANCIOĞLU A., Project Supported by Higher Education Institutions, Enerji Verimli Tren Kontrolü, 2015 - 2016

Scientific Project Refereeing

TUBITAK Project, 1501 - Industry R & D Projects Support Program, May 2022

Scientific Consultations

Metro İstanbul A.Ş., Scientific Consultancy, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, Turkey, 2021 - 2022

Metrics

Publication: 38

Citation (WoS): 41

Citation (Scopus): 60

H-Index (WoS): 3

H-Index (Scopus): 4

Congress and Symposium Activities

ISUDEF 2022, Attendee, Madrid, Spain, 2022

Non Academic Experience

Optim Obermeyer Proje, Supervisor