Asst. Prof. ÖNDER YAKUT

Personal Information

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International Researcher IDs
ScholarID: BXHsxyIAAAAJ
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Publons / Web Of Science ResearcherID: R-1791-2019
ScopusID: 56038437400
Yoksis Researcher ID: 200705

Education Information

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2019 - 2020
Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Biyomedikal Mühendisliği Bölümü, Turkey 2013 - 2018
Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Turkey 2008 - 2012
Undergraduate, Kocaeli University, Teknik Eğitim Fakültesi, Elektronik ve Bilgisayar Eğitimi, Turkey 2004 - 2008

Dissertations

Doctorate, EKG işaretindeki aritmilerin yumuşak hesaplama algoritmaları kullanılarak sınıflandırılması, Kocaeli University, Fen Bilimleri Enstitüsü, Biyomedikal Mühendisliği Bölümü, 2018
Postgraduate, Kablosuz algılayıcı/eyleyici ağlar ile web tabanlı ortam gözleme ve denetim uygulamsı, Kocaeli University, Fen Bilimleri Enstitüsü, 2012

Research Areas

Computer Sciences, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Kocaeli University, Teknoloji Fakültesi, Bilişim Sistemleri Mühendisliği, 2021 - Continues
Engineer, Kocaeli University, REKTÖRLÜK, Bilgi İşlem Daire Başkanlığı, 2013 - 2021
Lecturer, Tekirdağ Namik Kemal University, Rector's Office, Bilgi İşlem Daire Başkanlığı, 2011 - 2013

Academic and Administrative Experience

Birim Kalite Komisyonu Üyesi, Kocaeli University, Teknoloji Fakültesi, Bilişim Sistemleri Mühendisliği, 2023 - Continues
Fakülte Yönetim Kurulu Üyesi, Kocaeli University, Teknoloji Fakültesi, Bilişim Sistemleri Mühendisliği, 2022 - Continues
Fakülte Kurulu Üyesi, Kocaeli University, Teknoloji Fakültesi, Bilişim Sistemleri Mühendisliği, 2022 - Continues
Deputy Head of Department, Kocaeli University, Teknoloji Fakültesi, Bilişim Sistemleri Mühendisliği, 2022 - Continues

Courses

Uzmanlık Alan Dersi, Doctorate, 2024 - 2025

Introduction to Virtualization Technologies in Cloud Computing, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023

Mobile Application Development, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Uzmanlık Alan Dersi, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Yüksek Lisans Tez, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023

Web Designing, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Bitirme Projesi - A, Undergraduate, 2024 - 2025, 2023 - 2024

İş Yeri Eğitimi, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Grid and Cloud Computing, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Introduction to Cloud Computing Technologies, Undergraduate, 2022 - 2023, 2021 - 2022

Web Programming, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Yüksek Lisans Proje, Postgraduate, 2023 - 2024

Master Thesis Seminar, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Bilgisayar Yazılım Teknikleri, Postgraduate, 2023 - 2024, 2022 - 2023

Web Application Security, Undergraduate, 2022 - 2023, 2021 - 2022

Software Development Laboratory-II, Undergraduate, 2021 - 2022

Proje B, Undergraduate, 2022 - 2023, 2021 - 2022

Proje A, Undergraduate, 2022 - 2023, 2021 - 2022

Software Development Laboratory-I, Undergraduate, 2021 - 2022

Time Series Analysis and Forecasting, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

I. **A high-performance arrhythmic heartbeat classification using ensemble learning method and PSD based feature extraction approach**
Yakut Ö., Bolat E.
BIOCYBERNETICS AND BIOMEDICAL ENGINEERING, vol.42, pp.667-680, 2022 (SCI-Expanded)

II. **Design and Implementation of Web-Based Virtual Mobile Robot Laboratory for Engineering Education**
Solak S., Yakut Ö., Bolat E. D.
SYMMETRY-BASEL, vol.12, no.6, 2020 (SCI-Expanded)

III. **An improved QRS complex detection method having low computational load**
Yakut Ö., Bolat E.
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, vol.42, pp.230-241, 2018 (SCI-Expanded)

Articles Published in Other Journals

I. **Request Application for Needs and Living Supplies after the Earthquake**
Baş N., Yakut Ö.
Türk deprem araştırma dergisi (Online), vol.6, no.2, pp.587-609, 2024 (Scopus)

II. **Diagnostic Decision Making on Medical Images Using Deep Learning Models**
YILDIZ G., YAKUT Ö.
Euroasia Journal of Mathematics, Engineering, Natural & Medical Sciences, vol.10, no.28, pp.130-142, 2023 (Peer-Reviewed Journal)

III. **Diabetes Prediction Using Colab Notebook Based Machine Learning Methods**
Yakut Ö.
International Journal of Computational and Experimental Science and Engineering, vol.9, no.1, pp.36-41, 2023

(Scopus)

IV. **K-Means Clustering Algorithm Based Arrhythmic Heart Beat Detection in ECG Signal**
Yakut Ö., Bolat E., Efe H.
Balkan Journal of Electrical and Computer Engineering, vol.9, no.1, pp.53-58, 2021 (Peer-Reviewed Journal)

V. **AN EFFICIENT ARRHYTHMIC HEARTBEAT CLASSIFICATION METHOD USING ECG MORPHOLOGY BASED FEATURES**
Yakut Ö., Bolat E.
Euroasia Journal of Mathematics, Engineering, Natural Medical SciencesInternational Indexed and Refereed, vol.7, no.13, pp.200-212, 2020 (Peer-Reviewed Journal)

VI. **ARRHYTHMIA DIAGNOSIS FROM ECG SIGNAL USING TREE-BASED MACHINE LEARNING METHODS**
Yakut Ö., Bolat E.
EJONS International Journal on Mathematic, Engineering and Natural Sciences, vol.4, no.16, pp.954-964, 2020 (Peer-Reviewed Journal)

VII. **IIR Based Digital Filter Design for Denoising the ECG Signal**
Yakut Ö., Solak S., Bolat E.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.21, no.1, pp.173-181, 2018 (ESCI)

VIII. **Development of a Mobile Application Based Health Tracking System**
ŞENTÜRK H., YAKUT Ö., BOLAT E.
Global Journal of Advance Engineering Technology and Sciences, vol.5, pp.14-19, 2018 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Comparison of Forecasting Models in the HIV Epidemiology Using Machine Learning Methods**
YAKUT Ö., SAYAN M., BOLAT E.
in: Applied Machine Learning and Multi-criteria Decision-making in Healthcare, Ozsahin Ilker, Ozsahin Uzun Dilber, Editor, Bentham Books, pp.98-123, 2021

Refereed Congress / Symposium Publications in Proceedings

I. **Classification of Brain Tumor Images By Using GLCM Texture Feature and Transfer Learning**
Yıldız G., Yakut Ö.
16TH INTERNATIONAL İSTANBUL SCIENTIFIC RESEARCH CONGRESS ON LIFE, ENGINEERING, ARCHITECTURE, AND MATHEMATICAL SCIENCES PROCEEDINGS BOOK, İstanbul, Turkey, 28 - 29 February 2024, pp.376-383

II. **Comparison of Clustering Methods For Early Stage Diabetes Risk Prediction Using Cloud Computing**
YAKUT Ö.
INTERNATIONAL BLACK SEA COASTLINE COUNTRIES SYMPOSIUM - 5, Zonguldak, Turkey, 28 November 2020, pp.72

III. **Cloud Computing Based Voting Classifier Method Used For Survival Prediction of Heart Failure Patients**
YAKUT Ö.
International Conference on Engineering Technologies (ICENTE'20) , Konya, Turkey, November 19-21, 2020, Konya, Turkey, 19 November 2020

IV. **Cloud Computing Based Time Series Analysis Using Google Colaboratory**
YAKUT Ö.
International Conference on Engineering Technologies (ICENTE'20) , Konya, Turkey, November 19-21, 202, Konya, Turkey, 19 November 2020

V. **HRV Analysis Based Arrhythmic Beat Detection using kNN Classifier**
Yakut Ö., Timuş O., Bolat E.
ICBBBE 2016:18th Conference on Biochemical, Bioprocess and Biomedical International Engineering, İstanbul,

Turkey, 15 - 16 February 2016, vol.18, no.2, pp.1243-1246

VI. **Implementation of a Web-Based Wireless ECG Measuring and Recording System**
YAKUT Ö., SOLAK S., BOLAT E.
17th International Conference on Medical Physics and Medical Sciences, Istanbul Medical Physics and Medical Sciences, 9(10), 815-818, 2015., İstanbul, Turkey, 26 October 2015, vol.9, pp.815-818

VII. **Measuring ECG Signal Using e-Health Sensor Platform**
YAKUT Ö., SOLAK S., BOLAT E.
International Conference on Chemistry, Biomedical and Environment Engineering (ICCBEE 14), Antalya, Türkiye, 7 - 08 Ekim 2014, cilt.1, ss.71-75, Antalya, Turkey, 07 October 2014, vol.1, pp.71-75

VIII. **Web-based monitoring and control application using Wireless Sensor/Actuator Networks**
Yakut Ö., Ceken C., AKTAŞ F.
2013 10th International Conference on Electronics, Computer and Computation, ICECCO 2013, Ankara, Turkey, 7 - 08 November 2013, pp.84-87

Scientific Refereeing

BIOMEDICAL SIGNAL PROCESSING AND CONTROL, SCI Journal, October 2023
PLOS ONE, SCI Journal, September 2023
IEEE ACCESS, SCI Journal, September 2023
COMPUTERS IN BIOLOGY AND MEDICINE, SCI Journal, September 2023
IETE JOURNAL OF RESEARCH, National Scientific Refreed Journal, August 2023
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, SCI Journal, April 2022
KOCAELİ JOURNAL OF SCİENCE AND ENGİNEERİNG, National Scientific Refreed Journal, December 2021
COMPUTERS IN BIOLOGY AND MEDICINE, Journal Indexed in SCI-E, November 2021
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, Journal Indexed in SCI-E, November 2021
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, Journal Indexed in SCI-E, August 2021
IETE JOURNAL OF RESEARCH, Journal Indexed in SCI-E, July 2021
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, Journal Indexed in SCI-E, May 2021
COMPUTERS IN BIOLOGY AND MEDICINE, Journal Indexed in SCI-E, May 2021
COMPUTERS IN BIOLOGY AND MEDICINE, Journal Indexed in SCI-E, March 2021
IETE JOURNAL OF RESEARCH, Journal Indexed in SCI-E, January 2021
IETE JOURNAL OF RESEARCH, Journal Indexed in SCI-E, December 2020
IETE JOURNAL OF RESEARCH, Journal Indexed in SCI-E, October 2020
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, Journal Indexed in SCI-E, June 2020
IETE JOURNAL OF RESEARCH, Journal Indexed in SCI-E, January 2020
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, Journal Indexed in SCI-E, December 2019
COMPUTERS IN BIOLOGY AND MEDICINE, Journal Indexed in SCI-E, October 2019
IETE JOURNAL OF RESEARCH, Journal Indexed in SCI-E, October 2019
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, Journal Indexed in SCI-E, June 2019
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, Journal Indexed in SCI-E, April 2019

Metrics

Publication: 22
Citation (WoS): 45
Citation (Scopus): 62
H-Index (WoS): 2
H-Index (Scopus): 3