

Assoc. Prof. Yusuf Yaslan

Personal Information

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International Researcher IDs

ScholarID: OGSCY28AAAAJ

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği Anabilim Dalı, Turkey 2004 - 2010

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Telekomünikasyon Mühendisliği (YI), Turkey 2002 - 2004

Undergraduate, Istanbul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 1997 - 2001

Foreign Languages

English

Dissertations

Doctorate, Supervised and semi-supervised learning using informative feature subspaces, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği Anabilim Dalı, 2010

Postgraduate, Ses işaretleri için gerçek zamanlı bir tümleşik damga çözme tekniği, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Telekomünikasyon Mühendisliği (YI), 2004

Research Areas

Technical Sciences, Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Pattern Recognition and Image Processing, Neural Networks

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, Bilgisayar ve Bilişim, Bilgisayar Mühendisliği, 2018 - Continues

Assistant Professor, Istanbul Technical University, Bilgisayar ve Bilişim, Bilgisayar Mühendisliği, 2012 - 2018

Academic and Administrative Experience

Courses

Numerical Methods, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Machine Learning, Postgraduate, 2016 - 2017, 2015 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Demand forecasting model using hotel clustering findings for hospitality industry**
Kaya K., Yilmaz Y., Yaslan Y., Öğüdücü Ş., Cingi F.
INFORMATION PROCESSING & MANAGEMENT, vol.59, no.1, 2022 (SCI-Expanded)
- II. **An ensemble model for wide-area measurement-based transient stability assessment in power systems**
Saner C. B., Yaslan Y., Genç V. M. I.
ELECTRICAL ENGINEERING, vol.103, no.6, pp.2855-2869, 2021 (SCI-Expanded)
- III. **Contingency-based adaptive synthetic data generation to improve transient stability prediction in power systems**
Jafarzadeh S., Yaslan Y., Genç V. M. I.
INTERNATIONAL TRANSACTIONS ON ELECTRICAL ENERGY SYSTEMS, vol.31, no.11, 2021 (SCI-Expanded)
- IV. **Waste-to-Energy Framework: An intelligent energy recycling management**
Kaya K., Ak E., Yaslan Y., Oktuğ S. F.
SUSTAINABLE COMPUTING-INFORMATICS & SYSTEMS, vol.30, 2021 (SCI-Expanded)
- V. **A new method of decision tree based transient stability assessment using hybrid simulation for real-time PMU measurements**
Behdadnia T., Yaslan Y., Genç V. M. İ.
IET GENERATION TRANSMISSION & DISTRIBUTION, vol.15, pp.678-693, 2021 (SCI-Expanded)
- VI. **DeMETER in clouds: detection of malicious external thread execution in runtime with machine learning in PaaS clouds**
Sandikkaya M. T., Yaslan Y., Özdemir C. D.
Cluster Computing, vol.23, no.4, pp.2565-2578, 2020 (SCI-Expanded)
- VII. **A context-aware mobile application framework using audio watermarking**
Yaslan Y., Günsel Kalyoncu B.
MULTIMEDIA SYSTEMS, vol.26, no.3, pp.323-337, 2020 (SCI-Expanded)
- VIII. **Emotion Recognition from Multimodal Physiological Signals for Emotion Aware Healthcare Systems**
Ayata D., Yaslan Y., Kamaşak M. E.
JOURNAL OF MEDICAL AND BIOLOGICAL ENGINEERING, vol.40, no.2, pp.149-157, 2020 (SCI-Expanded)
- IX. **Dissimilarity-based multi-instance learning using dictionary learning and sparse coding ensembles**
Moarref N., Yaslan Y.
COMPUTERS & ELECTRICAL ENGINEERING, vol.80, 2019 (SCI-Expanded)
- X. **Emotion Based Music Recommendation System Using Wearable Physiological Sensors**
AYATA D., Yaslan Y., Kamaşak M. E.
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, vol.64, no.2, pp.196-203, 2018 (SCI-Expanded)
- XI. **DEMIAL: an active learning framework for multiple instance image classification using dictionary ensembles**
Kocyigit G., Yaslan Y.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.26, no.1, pp.593-604, 2018 (SCI-Expanded)
- XII. **Sparse coding based classifier ensembles in supervised and active learning scenarios for data**

- classification**
 Tuysuzoglu G., Yaslan Y.
 EXPERT SYSTEMS WITH APPLICATIONS, vol.91, pp.364-373, 2018 (SCI-Expanded)
- XIII. **Intraday prediction of Borsa Istanbul using convolutional neural networks and feature correlations**
 GÜNDÜZ H., Yaslan Y., Çataltepe Z.
 KNOWLEDGE-BASED SYSTEMS, vol.137, pp.138-148, 2017 (SCI-Expanded)
- XIV. **Empirical mode decomposition based denoising method with support vector regression for time series prediction: A case study for electricity load forecasting**
 Yaslan Y., BICAN B.
 MEASUREMENT, vol.103, pp.52-61, 2017 (SCI-Expanded)
- XV. **Stock daily return prediction using expanded features and feature selection**
 GÜNDÜZ H., Çataltepe Z., Yaslan Y.
 TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.6, pp.4829-4840, 2017 (SCI-Expanded)
- XVI. **A comparison study on active learning integrated ensemble approaches in sentiment analysis**
 ALDOGAN D., Yaslan Y.
 COMPUTERS & ELECTRICAL ENGINEERING, vol.57, pp.311-323, 2017 (SCI-Expanded)
- XVII. **Machine learning aided diagnosis of hepatic malignancies through in vivo dielectric measurements with microwaves**
 Yilmaz T., KILIC M. A., ERDOGAN M., CAYOREN M., TUNAOGLU D., KURTOGLU I., YASLAN Y., CAYOREN H., ARIKAN A. E., TEKSOZ S., et al.
 PHYSICS IN MEDICINE AND BIOLOGY, vol.61, no.13, pp.5089-5102, 2016 (SCI-Expanded)
- XVIII. **Co-training with relevant random subspaces**
 Yaslan Y., Çataltepe Z.
 NEUROCOMPUTING, vol.73, pp.1652-1661, 2010 (SCI-Expanded)
- XIX. **Relevant subtask learning by constrained mixture models**
 Peltonen J., Yaslan Y., Kaski S.
 INTELLIGENT DATA ANALYSIS, vol.14, no.6, pp.641-662, 2010 (SCI-Expanded)
- XX. **An integrated on-line audio watermark decoding scheme for broadcast monitoring**
 Yaslan Y., Gunsel B.
 MULTIMEDIA TOOLS AND APPLICATIONS, vol.40, no.1, pp.1-21, 2008 (SCI-Expanded)
- XXI. **Music genre classification using MIDI and audio features**
 Cataltepe Z., YASLAN Y., SONMEZ A.
 EURASIP JOURNAL ON ADVANCES IN SIGNAL PROCESSING, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. **Güç Sistemlerinde Geçici Hal Kararsızlığının Arıza Öncesi Fazör Ölçümleri Kullanarak Karar Ağacı Tabanlı Kestirimi**
 SANER C. B., KESİCİ M., Mahdi M., YASLAN Y., GENÇ V. M. İ.
 Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, no.1, pp.6-14, 2019 (Peer-Reviewed Journal)
- II. **A Prediction Module for Smart City IoT Platforms**
 Oktuğ S. F., Yaslan Y., Gulacar H.
 TRANSPORTATION AND POWER GRID IN SMART CITIES: COMMUNICATION NETWORKS AND SERVICES, pp.269-290, 2019 (Peer-Reviewed Journal)
- III. **User Profile Analysis Using an Online Social Network Integrated Quiz Game**
 YASLAN Y., GÜLAÇAR H., KOÇ M. N.
 Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, pp.696, 2017 (Peer-Reviewed Journal)
- IV. **Emotion Recognition via Galvanic Skin Response: Comparison of Machine Learning Algorithms and Feature Extraction Methods**

AYATA D., YASLAN Y., KAMAŞAK M. E.
ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.17, pp.3129-3136, 2017
(ESCI)

V. **Robust Audio Watermarking for Copyright Protection**

KIRBIZ S., GÜNSEL KALYONCU B., YASLAN Y.
WSEAS Transactions on Circuits and Systems, vol.3, pp.2132-2138, 2004 (Peer-Reviewed Journal)

VI. **An Adaptive Encoder for Audio Watermarking**

GÜNSEL KALYONCU B., ŞENER S., YASLAN Y.
WSEAS Transactions on Computers, vol.2, pp.1044-1048, 2003 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Detection of sea targets from thermal images**

Yaslan Y., Gunsel B.
IEEE 12th Signal Processing and Communications Applications Conference, Kusadasi, Turkey, 28 - 30 April 2004,
pp.672-675

II. **Robust audio watermarking by adaptive psychoacoustic masking**

Herkiloglu K., Yaslan Y., Sener S., Gunsel B.
IEEE 12th Signal Processing and Communications Applications Conference, Kusadasi, Turkey, 28 - 30 April 2004,
pp.29-32

Supported Projects

Yaslan Y., Project Supported by Higher Education Institutions, Zaman Serilerinin Öngörüsü için EMD ve SVR Tanaklı
Hibrid Bir Metod, 2014 - 2018

Activities in Scientific Journals

KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS, Committee Member, 2017 - Continues

Scientific Refereeing

Neural Computing and Applications, National Scientific Refreed Journal, February 2018
Information Fusion, National Scientific Refreed Journal, January 2018
Pattern Recognition, National Scientific Refreed Journal, January 2018
Expert Systems with Applications, National Scientific Refreed Journal, January 2018

Metrics

Publication: 100

Citation (WoS): 469

Citation (Scopus): 798

H-Index (WoS): 9

H-Index (Scopus): 14

Non Academic Experience

Türk Telekom A.Ş.

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