

Assoc. Prof. ALPER ÖZCAN



Personal Information

Email: alperozcan@akdeniz.edu.tr

Web: <https://avesis.akdeniz.edu.tr/alperozcan>

International Researcher IDs

ScholarID: UGrer4cAAAAJ

ORCID: 0000-0002-5999-1203

Publons / Web Of Science ResearcherID: IQR-9870-2023

Yoksis Researcher ID: 323414



Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2011 - 2017

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2007 - 2010

Undergraduate, Istanbul Technical University, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği, Turkey 2002 - 2007

Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Akdeniz University, Faculty of Engineering, Department of Computer Engineering, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Enhanced-TransUNet for ultrasound segmentation of thyroid nodules**
ÖZCAN A., TOSUN Ö., Donmez E., Sanwal M.
Biomedical Signal Processing and Control, vol.95, 2024 (SCI-Expanded)
- II. **Hierarchical multi-head attention LSTM for polyphonic symbolic melody generation**
Kasif A., SEVGİN S., ÖZCAN A., ÇATAL Ç.
Multimedia Tools and Applications, vol.83, no.10, pp.30297-30317, 2024 (SCI-Expanded)
- III. **Deep learning-based modelling of pyrolysis**
ÖZCAN A., Kasif A., SEZGİN İ. V., Catal C., Sanwal M., MERDUN H.
Cluster Computing, vol.27, no.1, pp.1089-1108, 2024 (SCI-Expanded)
- IV. **Determining optimal paths of virtual links in Avionics Full-Duplex Switched Ethernet networks using modified ant colony optimization algorithm**
Bayram O. B., ÖZCAN A.
Expert Systems with Applications, vol.229, 2023 (SCI-Expanded)

- V. **Structural and topological guided GCN for link prediction in temporal networks**
Sserwadda A., ÖZCAN A., Yaslan Y.
Journal of Ambient Intelligence and Humanized Computing, vol.14, no.7, pp.9667-9675, 2023 (SCI-Expanded)
- VI. **A hybrid DNN-LSTM model for detecting phishing URLs**
Ozcan A., Catal C., DÖNMEZ E., Senturk B.
NEURAL COMPUTING & APPLICATIONS, vol.35, no.7, pp.4957-4973, 2023 (SCI-Expanded)
- VII. **Analysis of cyber security knowledge gaps based on cyber security body of knowledge**
Catal C., ÖZCAN A., Donmez E., Kasif A.
Education and Information Technologies, vol.28, no.2, pp.1809-1831, 2023 (SSCI)
- VIII. **Topological Similarity and Centrality Driven Hybrid Deep Learning for Temporal Link Prediction**
Sserwadda A., ÖZCAN A., Yaslan Y.
Journal of Universal Computer Science, vol.29, no.5, pp.470-490, 2023 (SCI-Expanded)
- IX. **Non-exercise-based racing time prediction of cross-country skiers using machine learning methods combined with Relief-F feature selection**
ABUT F., AKAY M. F., Daneshvar S., ÖZCAN A., Heil D.
Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2023 (SCI-Expanded)
- X. **ACO-based approach for integrating product lifecycle management with MRO services in aviation industry**
Guraksin A. M., ÖZCAN A.
Soft Computing, vol.27, no.1, pp.337-361, 2023 (SCI-Expanded)
- XI. **A hybrid DenseNet121-UNet model for brain tumor segmentation from MR Images**
Cinar N., ÖZCAN A., Kaya M.
Biomedical Signal Processing and Control, vol.76, 2022 (SCI-Expanded)
- XII. **Energy Load Forecasting Using a Dual-Stage Attention-Based Recurrent Neural Network**
ÖZCAN A., Catal C., Kasif A.
SENSORS, vol.21, no.21, 2021 (SCI-Expanded)
- XIII. **Malware Detection Based on Graph Attention Networks for Intelligent Transportation Systems**
Catal C., GÜNDÜZ H., ÖZCAN A.
ELECTRONICS, vol.10, no.20, 2021 (SCI-Expanded)
- XIV. **Assessment of environmental factors affecting software reliability: A survey study**
ÖZCAN A., ÇATAL Ç., TOĞAY C., Tekinerdoğan B., DÖNMEZ E.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.28, no.4, pp.1841-1858, 2020 (SCI-Expanded)
- XV. **Link prediction in evolving heterogeneous networks using the NARX neural networks**
Ozcan A., Öğüdücü Ş.
Knowledge and Information Systems, vol.55, no.2, pp.333-360, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Applying Graph Convolution Networks to Recommender Systems based on graph topology**
ÖZCAN A.
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.13, no.2, pp.205-211, 2022 (Peer-Reviewed Journal)
- II. **Bacterial Disease Detection for Pepper Plant by Utilizing Deep Features Acquired from DarkNet-19 CNN Model**
ÖZCAN A., DÖNMEZ E.
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.12, no.4, pp.573-579, 2021 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **A Recommendation Framework for Mobile Phones Based on Social Network Data**
ÖZCAN A., ÖĞÜDÜCÜ Ş.
in: Studies in Computational Intelligence, Roger LeeJixin MaLiz BaconWencai DuMiltos Petridis, Editor, Springer, Londrina, pp.139-149, 2010

Refereed Congress / Symposium Publications in Proceedings

- I. **Seasonality Aware Topological Graph Neural Network for Recommender Systems Mevsimselliğe Duyarlı Topolojik Çizge Sinir Ağı Tavsiye Sistemleri**
Özden C., ÖZCAN A.
32nd IEEE Conference on Signal Processing and Communications Applications, SIU 2024, Mersin, Turkey, 15 - 18 May 2024
- II. **Edge Information Assisted Decoder for Business Process Anomaly Detection**
Ayaz T. B., ÖZCAN A., AKBULUT A.
8th International Artificial Intelligence and Data Processing Symposium, IDAP 2024, Malatya, Turkey, 21 - 22 September 2024
- III. **Endemic Plant Classification Using Deep Neural Networks**
ÖZ M., ÖZCAN A.
3rd International Conference on Access to Recent Advances in Engineering and Digitalization (ARACONF 2023), Turkey, 15 March 2023
- IV. **Sentiment-enhanced Neural Collaborative Filtering Models Using Explicit User Preferences**
Dursun C., ÖZCAN A.
5th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, HORA 2023, İstanbul, Turkey, 8 - 10 June 2023
- V. **Optimal Redundant Routing of Virtual Links for Avionics Full-Duplex Switched Ethernet Network**
BAYRAM O. B., ÖZCAN A.
2022 30th Signal Processing and Communications Applications Conference (SIU), Safranbolu, Turkey, 15 May 2022
- VI. **ARINC 664 AFDX AĞLARINDA KABLAJ OPTİMİZASYONUNA DAYALI SANAL BAĞLANTILARIN UYARLANMIŞ GENETİK ALGORİTMAYLA YÖNLENDİRİLMESİ**
BAYRAM O. B., ÖZCAN A.
4th International Conference on Artificial Intelligence and Applied Mathematics in Engineering (ICAIAME 2022), Baku, Azerbaijan, 20 May 2022
- VII. **Using Supervised Machine Learning Algorithms For Drug Target Interaction Prediction**
Yildiz N. F., ÖZCAN A.
2022 Innovations in Intelligent Systems and Applications Conference, ASYU 2022, Antalya, Turkey, 7 - 09 September 2022
- VIII. **Deep Hotel Recommender System Using Aspect-based Sentiment Analysis of Users' Reviews**
ÖZCAN A., Emiral B., Cetin A. B.
26th International Conference on Pattern Recognition, ICPR 2022, Montreal, Canada, 21 - 25 August 2022, vol.2022-August, pp.3090-3096
- IX. **Hierarchical and Centrality driven Polypharmacy Side Effect Prediction Model**
Sserwadda A., ÖZCAN A., Yaslan Y.
7th International Conference on Computer Science and Engineering, UBMK 2022, Diyarbakır, Turkey, 14 - 16 September 2022, pp.384-387
- X. **Deep Hybrid Recommender System**
TÜRKER D., ÖZCAN A., ÖĞÜDÜCÜ Ş.
2020 28th Signal Processing and Communications Applications Conference (SIU), Gaziantep, Turkey, 05 October

2020

XI. Temporal Link Prediction Using Time Series of Quasi-Local Node Similarity Measures

ÖZCAN A., ÖĞÜDÜCÜ Ş.

2016 15th IEEE International Conference on Machine Learning and Applications (ICMLA), Los-Angeles, Chile, 18
December 2016

Metrics

Publication: 29

Citation (WoS): 188

Citation (Scopus): 200

H-Index (WoS): 6

H-Index (Scopus): 6