Asst. Prof. BAHAEDDİN TÜRKOĞLU

Personal Information

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International Researcher IDs
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Publons / Web Of Science ResearcherID: AFM-7521-2022
Yoksis Researcher ID: 376956

Biography

Dr. Bahaeddin TURKOGLU, holds B.S. and M.S. degrees from Selcuk University, in 2016 and 2018, respectively, and a Ph.D. degree from Konya Technical University, Turkiye, in 2022, all in computer engineering. He held a "Big Data Analysis" certificate from HAVELSAN. His research interests include data science, optimization, swarm intelligence and deep reinforcement learning. He has developed various machine learning and data science projects using python and shared them on GitHub. Since 2018, he has been involved in volunteer work in Deep Learning Turkiye mentorship program. From 2016 to 2019, he was a deep learning developer at the Robotic and Automation Control Laboratory, Konya Technical University. He received first place with his team which is named RACLAB in autonomous car with deep learning in Open Zeka MARC. Since 2016, he has been executive manager of the smart event atmosphere research and development project at AtmosVeri Artificial Intelligence powered Software Solutions in InnoPark, Konya Technopole and Nigde Technopark Technology Development Area. From 2022 to 2024, he was a Asst.Prof.Dr at computer engineering department, Nigde Omer Halisdemir University. Since 2024, he has been an academician Asst.Prof.Dr. the Artificial Intelligence and Data Engineering Department at Ankara University.

Education Information

Doctorate, Konya Technical University, Lisansüstü Eğitim Enstitüsü, Bilgisayar Mühendisliği, Turkey 2018 - 2022
Postgraduate, Selcuk University, Fen Bilimleri Enstitüsü, Computer Engineering, Turkey 2016 - 2018
Undergraduate, Selcuk University, Faculty of Engineering, Computer Engineering, Turkey 2012 - 2016

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Route and Motion Planning, algorithms, Computer Vision, Database and Data Structures, Computer Learning, Fuzzy Sets and Systems, Evolutionary Computing, Neural Networks

Academic Titles / Tasks

Assistant Professor, Ankara University, Mühendislik Fakültesi, Yapay Zeka Ve Veri Mühendisliği Bölümü, 2024 - Continues

Assistant Professor, Nigde Omer Halisdemir University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2022 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Chaotic golden ratio guided local search for big data optimization**
Kocer H. G., TÜRKOĞLU B., Uymaz S. A.
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.41, 2023 (SCI-Expanded)

II. **Binary Artificial Algae Algorithm for feature selection**
TÜRKOĞLU B., Uymaz S. A., Kaya E.
APPLIED SOFT COMPUTING, vol.120, 2022 (SCI-Expanded)

III. **Clustering analysis through artificial algae algorithm**
TÜRKOĞLU B., Uymaz S. A., Kaya E.
INTERNATIONAL JOURNAL OF MACHINE LEARNING AND CYBERNETICS, vol.13, no.4, pp.1179-1196, 2022 (SCI-Expanded)

IV. **Training multi-layer perceptron with artificial algae algorithm**
TÜRKOĞLU B., Kaya E.
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.23, no.6, pp.1342-1350, 2020 (SCI-Expanded)

Articles Published in Other Journals

I. **An advanced Salp Swarm Algorithm for optimization problems**
TÜRKOĞLU B.
ENGINEERING SCIENCES, vol.12, no.4, pp.1071-1078, 2023 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Genetic Algorithm for Route Optimization**
TÜRKOĞLU B., EROĞLU H.
in: Applied Genetic Algorithm and Its Variants, Nilanjan Dey, Editor, Springer Nature Switzerland AG., pp.51-79, 2023

II. **Chaos theory in metaheuristics**
TÜRKOĞLU B., UYMAZ S. A., KAYA E.
in: Comprehensive Metaheuristics Algorithms and Applications, Seyedali Mirjalili, Amir H. Gandomi, Editor, Academic Press, Elseveir, pp.1-20, 2023

Refereed Congress / Symposium Publications in Proceedings

I. **Use of Transfer Learning in Small Data Sets: Fire Detection Example**
KARABIYIK M. A., TÜRKOĞLU B.
ASES Uluslararası Bandırma Bilimsel Çalışmalar Kongresi, BANDIRMA, Turkey, 27 - 29 October 2023, pp.920-916

II. **Boosted Whale Optimization Algorithm**
TÜRKOĞLU B.
3rd International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 20 - 23 July 2022, vol.3,

Supported Projects

Türkoğlu B., KOSGEB, Kosgeb Ürge: Dijital Etkinlik Ajandası, 2023 - 2024

Metrics

Publication: 9
Citation (WoS): 77
Citation (Scopus): 90
H-Index (WoS): 3
H-Index (Scopus): 3

Non Academic Experience

Company, Atmosveri Yapay Zeka Destekli Yazılım ve Eğitim Teknolojileri, Data Science, Mobile Apps