

In the name of GOD

Dr. Aliakbar Tajari Siahmarzkooh



Name: Aliakbar **Surname:** Tajari Siahmarzkooh

Assistant Professor in Computer Science (**from 2018** - so far)

Department of Computer Science, Faculty of Sciences

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Fields of Interest:

Data Mining

Network Security

Theoretical Computer Science

Education:

Ph.D in Computer Science; 2012 - 2017; University of Tabriz; Tabriz; Iran

M.Sc in Computer Science; 2010 - 2012; University of Tabriz; Tabriz; Iran

B.Sc in Software Engineering; 2005 - 2009; Ferdowsi University; Mashhad; Iran

Teaching Experiences:

Data Mining

Artificial Intelligence

Theoretical Computer Sciences

Data Base

Data Structure

Advance Programming

Publications:

Conference Papers

1. **A. Tajari. Siahmarzkooh.** “Cloud penetration detection system using fuzzy logic and k-means clustering”. Second national conference of soft computing and cognitive sciences. 2023.
2. **A. Tajari. Siahmarzkooh.** “Phishing website detection system using data mining methods and fuzzy logic”. Second national conference of soft computing and cognitive sciences. 2023.
3. **A. Tajari. Siahmarzkooh.** “Detection of HTTP flood attack in application layer using clustering and machine learning criteria”. Second national conference of soft computing and cognitive sciences. 2023.
4. **A. Tajari. Siahmarzkooh.** “Combination of k-means clustering and meta-heuristic algorithm of gray wolves to increase the prediction accuracy of type 2 diabetes”. Fourth International Conference on Soft Computing. 2021.
5. **A. Tajari. Siahmarzkooh.** “An Efficient Attack Detection Approach Based on a Proper Feature Selection Strategy”. 1st national conference of innovation new and applied technologies in electrical computer engineering. 2021.
6. **A. Tajari. Siahmarzkooh.** “A Combined Data Mining Algorithm for Load Balancing in Cloud Networks”. 1st national conference of innovation new and applied technologies in electrical computer engineering. 2021.
7. **A. Tajari. Siahmarzkooh.** “An Improved ICA-based Load Balancing System using PSO”. 5th National Conference on Application of Novel Technologies in Engineering Sciences. 2021.
8. **A. Tajari. Siahmarzkooh.** “Network intrusion prediction using adaptive fuzzy neural network in Internet of Things”. The first national conference of intelligent systems and fast computing. 2021.
9. **A. Tajari. Siahmarzkooh.** “Effective detection of cyber-attacks using learning neural network”. The first national conference of intelligent systems and fast computing. 2021.
10. **A. Tajari. Siahmarzkooh.** “Under-water Wireless Sensor Networks Routing using Clustering and Imperialist Competitive Algorithm”. 1st National Conference on Soft Computing and Cognitive Science. 2020.
11. **A. Tajari. Siahmarzkooh.** “A hybrid approach based on genetic and imperialist competitive algorithm for task scheduling in cloud networks”. 1st National Conference on Soft Computing and Cognitive Science. 2020.

Journal Papers

1. **A.Tajari. Siahmarzkooh.** “An Improved K-Means Clustering Feature Selection and Biogeography Based Optimization for Intrusion Detection”. *International Journal of Web Research*. 2023.
2. **A.Tajari. Siahmarzkooh.** “Reducing the False Alarm Rates in Detecting Botnets Using the Combination of K-Nearest Neighbors and Stochastic Gradient Descent Algorithms”. *Karafan*. 2023.
3. **A.Tajari. Siahmarzkooh.** “Using Deep Learning Features to Improve Intrusion Detection in the Internet of Things Environment”. *Journal of Information and Communication Technology in Policing*. 2023.
4. **A.Tajari. Siahmarzkooh.** “Smart Home Intrusion Detection Model based on Principal Component Analysis and Random Forest Classification”. *Electronic and Cyber Defense*. 2023 (In Press).
5. **A.Tajari. Siahmarzkooh, A. Rahimi. Hosseinabad.** “Malware Detection in Android Operating System using Convolutional Neural Network and Long Short-Term Memory Network”. *Modeling in Engineering*. 2023 (In Press).
6. **A.Tajari. Siahmarzkooh.** “Intrusion Detection in Computer Networks Using Decision Tree and Feature Reduction”. *Electronic and Cyber Defense*. 2023.
7. **A.Tajari. Siahmarzkooh.** “Type 2 Diabetes Prediction using Gray Wolf Optimization Algorithm”. *Indian Journal of Forensic Medicine and Toxicology*. 2021.
8. **A.Tajari. Siahmarzkooh.** “ACO-based Type 2 Diabetes Detection using Artificial Neural Networks”. *Indian Journal of Forensic Medicine and Toxicology*. 2021.
9. **A.Tajari. Siahmarzkooh, M. Alimardani.** “A Novel Anomaly-based Intrusion Detection System using Whale Optimization Algorithm WOA-Based Intrusion Detection System”. *International Journal of Web Research*. 2020.
10. **A.Tajari. Siahmarzkooh.** “Intrusion Detection with Low False Alarms using Decision Tree-based SVM Classifier”. *International Journal of Web Research*. 2020.
11. **J. Karimpour, S. Lotfi. A. Tajari. Siahmarzkooh.** “Intrusion detection in network flows based on an optimized clustering criterion”. *Turkish Journal of Electrical Engineering and Computer Sciences*. 2017.
12. **A. Tajari. Siahmarzkooh, J. Karimpour, S. Lotfi.** “A Cluster-based Approach Towards Detecting and Modeling Network Dictionary Attacks”. *Engineering Technology Applied Science Research*. 2016.

Books

1. **A. Tajari Siahmarzkooh, M. Bayat.** “Kali Linux revealed; mastering the penetration testing distribution”. Translated. *Golestan University Press*. 2023.