

SKEDA E BOTIMEVE TË PESË VITEVE TË FUNDIT
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Grada, Emër, Mbiemër : Prof.Asoc.Dr. Donald Elmazi
Njësia akademike : Departamenti i Shkencave të Aplikuara dhe Kompjuterike
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Vjetërsia në mësimdhënie : 8 vite

PUNË KËRKIMORE – SHKENCORE
(Botime akademike, konferenca, seminare etj)

Nr.	Përshkrimi
PAPERS IN PEER-REVIEW JOURNALS	
1.	Elmazi, Klea & Elmazi, Donald & Lerga, Jonatan. (2026). Proactive context aware task offloading in digital twin driven federated IoT systems with large language models. Internet of Things. 35. 101826. 10.1016/j.iot.2025.101826. _
2.	Elmazi, Klea & Elmazi, Donald & Lerga, Jonatan. (2025). Digital Twin-driven federated learning and reinforcement learning-based offloading for energy-efficient distributed intelligence in IoT networks. Internet of Things. 32. 101640. 10.1016/j.iot.2025.101640.
3.	Elmazi, Klea & Elmazi, Donald & Lerga, Jonatan. (2025). XDT-FMARL: An Explainable Federated Multi-Agent Reinforcement Learning Framework for Energy-Efficient IoT Task Offloading. International Journal of Web and Grid Services. 21. 10.1504/IJWGS.2025.10073957.
4.	Elmazi, Klea & Elmazi, Donald & Prieditis, Marcis. (2022). Efficiency Performance Evaluation on Multi-user Web Application Platforms in Cloud Computing. Volume 5. 1014-1032. 10.15157/IJITIS.2022.5.3.1014-1032.
5.	Islami, Drialdi & Elmazi, Donald & Karras, Dimitrios. (2025). Analyzing Wireless Security: A Case Study on READ Corporation. Engineering World. 7. 70-78. 10.37394/232025.2025.7.8.
PROCEEDINGS	
6.	Elmazi, Klea & Elmazi, Donald & Mehmeti, Fatjon. (2026). Adaptive Aggregation for Differentially Private Federated Learning via Liminality. , International Conference on Emerging Internet, Data & Web Technologies 10.1007/978-3-032-22795-9_9.
7.	Elmazi, Klea, Donald Elmazi , and Jonatan Lerga. "Advancing Federated Virtual Sensors for IoT with Privacy Safeguards and Robustness to Adversarial Threats." In International Conference on Emerging Internet, Data & Web Technologies, pp. 159-172. Cham: Springer Nature Switzerland, 2025.

8	Elmazi, Klea, Donald Elmazi , and Jonatan Lerga. "Adaptive Offloading in Federated Virtual Sensors for Efficient Resource Management in IoT Systems." In International Conference on Advanced Information Networking and Applications, pp. 390-404. Cham: Springer Nature Switzerland, 2025.
9	Musta, Eugen, Donald Elmazi , Klea Elmazi, Fatjon Mehmeti, and Florenc Hidri. "Testing Intelligent Traffic Control Solutions efficiency in reducing traffic and pollution in Tirana." In 2024 International Workshop on Quantum & Biomedical Applications, Technologies, and Sensors (Q-BATS), pp. 121-126. IEEE, 2024.
10	Elmazi, Klea, and Donald Elmazi . "Evaluating support vector machine and logistic regression: A machine learning-based statistical study for breast cancer diagnosis." In 2024 International Conference on Computing, Networking, Telecommunications & Engineering Sciences Applications (CoNTESA), pp. 1-6. IEEE, 2024.
11	Elmazi, Klea, Donald Elmazi , and Jonatan Lerga. "Federated virtual sensors for IoT: applying machine learning algorithms through federated averaging and distributed intelligence." In International Conference on Broadband and Wireless Computing, Communication and Applications, pp. 141-151. Cham: Springer Nature Switzerland, 2024.
12	Elmazi, Klea, Donald Elmazi , Eugen Musta, Fatjon Mehmeti, and Florenc Hidri. "An intelligent transportation systems-based machine learning-enhanced traffic prediction model using time series analysis and regression techniques." In 2024 international conference on INnovations in intelligent systems and applications (INISTA), pp. 1-6. IEEE, 2024.
13	Elmazi, Donald , Dimitrios A. Karras, Abdulsalam Alkholidi, and Klea Çapari. "Cybersecurity and privacy attacks detection in IoT networks with improved data engineering and machine learning methods." In 2023 IEEE Ninth International Conference on Big Data Computing Service and Applications (BigDataService), pp. 223-228. IEEE, 2023.
14	Tirana, Kledia, and Donald Elmazi . "5G impact on the flow of wireless internet traffic." In 2024 International Conference on Computing, Networking, Telecommunications & Engineering Sciences Applications (CoNTESA), pp. 1-4. IEEE, 2024.
15	Mehmeti, Fatjon, Donald Elmazi , and Elis Kulla. "Expressing Liminality in Data within the Context of Deep Learning." In 2024 International Conference on Computing, Networking, Telecommunications & Engineering Sciences Applications (CoNTESA), pp. 63-67. IEEE, 2024.
16	Elmazi, Donald , and Fatjon Mehmeti. "An Isolation Forest Model for Anomaly Detection in IoT Networks Using Directional Graphs." In International Conference on Broadband and Wireless Computing, Communication and Applications, pp. 132-140. Cham: Springer Nature Switzerland, 2024.
17	Domnori, Elton, Donald Elmazi , and Gledi Tace. "Enhancing Water Resource Management through IoT-Enabled Smart Water Monitoring Systems: A Multi-Agent Algorithm Approach." In 2024 International Conference on INnovations in Intelligent SysTems and Applications (INISTA), pp. 1-6. IEEE, 2024.
18	Kura, Abdusamed, and Donald Elmazi . "Automated Machine Learning Model Selector with Improved Exploratory Data Analysis using Artificial Intelligence." In 2024 International Conference on INnovations in Intelligent SysTems and Applications (INISTA), pp. 1-6. IEEE, 2024.
19	Elmazi, Donald , Fatjon Mehmeti, and Elis Kulla. "Implementation and optimization of narrow-band internet of things (nb-iot) nodes coverage using doppler effect shift chips." In International Conference on P2P, Parallel, Grid, Cloud and Internet Computing, pp. 150-162. Cham: Springer Nature Switzerland, 2023.

Kulla, Elis, **Donald Elmazi**, and Keita Matsuo. "Performance Comparison of Vector Based Forwarding and Depth Based Routing in Underwater Wireless Sensor Networks." In 2023 IEEE Ninth International Conference on Big Data Computing Service and Applications (BigDataService), pp. 53-57. IEEE, 2023.