

Enhancing IoT botnet attack detection in SOCs with an explainable active learning framework

Kalakoti, Rajesh; Nömm, Sven; Bahsi, Hayretdin 2024 IEEE World AI IoT Congress (AlloT) 2024 / p. 265 - 272

<https://doi.org/10.1109/AlloT61789.2024.10578957> [Article at Scopus](#) [Article at WOS](#)

Explainable federated learning for Botnet Detection in IoT networks

Kalakoti, Rajesh; Bahsi, Hayretdin; Nömm, Sven Proceedings of the 2024 IEEE International Conference on Cyber Security and Resilience (CSR), September 2-4, 2024, London, UK 2024 / p. 22-29 <https://doi.org/10.1109/CSR61664.2024.10679348> [Article at Scopus](#) [Article at WOS](#)

Explainable transformer-based intrusion detection in Internet of Medical Things (IoMT) networks

Kalakoti, Rajesh; Nömm, Sven; Bahsi, Hayretdin 2024 International Conference on Machine Learning and Applications, ICMLA 2024, Miami, Florida, 18-20 December 2024, proceedings 2024 / p. 1164-1169 : ill <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=10903225> <https://doi.org/10.1109/ICMLA61862.2024.00179> [Article at Scopus](#) [Article at WOS](#)

Improving IoT security with explainable AI : quantitative evaluation of explainability for IoT botnet detection

Kalakoti, Rajesh; Bahsi, Hayretdin; Nömm, Sven IEEE Internet of Things Journal 2024 / p. 18237 - 18254

<https://doi.org/10.1109/IJOT.2024.3360626> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improving transparency and explainability of deep learning based IoT botnet detection using explainable artificial intelligence (XAI)

Kalakoti, Rajesh; Nömm, Sven; Bahsi, Hayretdin 22nd IEEE International Conference on Machine Learning and Applications : ICMLA 2023 : 15-17 December 2023, Jacksonville Riverfront, Florida : proceedings (2023) 2023 / p. 595 - 601

<https://doi.org/10.1109/ICMLA58977.2023.00088>

In-depth feature selection for the statistical machine learning-based botnet detection in IoT networks

Kalakoti, Rajesh; Nömm, Sven; Bahsi, Hayretdin IEEE Access 2022 / p. 94518-94535

<https://doi.org/10.1109/ACCESS.2022.3204001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)