

### **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](#)

### **Evaluating model performance through a user-centric explainable framework for probabilistic load forecasting models**

Robin, Rebecca; Heistrene, Leena; **Belikov, Juri**; Baimel, Dmitry; Levron, Yoash 2024 Third International Conference on Power, Control and Computing Technologies (ICPC2T) 2024 / p. 427 - 432 <https://doi.org/10.1109/ICPC2T60072.2024.10474692> [Article at Scopus](#)

### **Explainability and transparency of classifiers for air-handling unit faults using explainable artificial intelligence (XAI)**

**Meas, Molika**; Machlev, Ram; **Köse, Ahmet; Tepljakov, Aleksei; Loo, Lauri**; Levron, Yoash; **Petlenkov, Eduard; Belikov, Juri** Sensors 2022 / art. 6338 : ill <https://doi.org/10.3390/s22176338> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

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### **Explainability-based trust algorithm for electricity price forecasting models**

Heistrene, Leena; Machlev, Ram; Perl, Michael; **Belikov, Juri**; Baimel, Dmitry; Levy, Kfir; Mannor, Shie; Levron, Yoash Energy and AI 2023 / art 100259, 18 p <https://doi.org/10.1016/j.egyai.2023.100259> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

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### **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](#)

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### **Interpretable machine learning for heterogeneous treatment effect estimators with Double ML: a case of access to credit for SMEs**

**Medianovskyi, Kyrylo**; Malakauskas, Aidas; Lakstutiene, Ausrine; **Ben Yahia, Sadok** Procedia computer science 2023 / p. 2163-2172 : ill <https://doi.org/10.1016/j.procs.2023.10.207> [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Interpretable machine learning for SME financial distress prediction**

**Medianovskyi, Kyrylo**; Malakauskas, Aidas; Lakstutiene, Ausrine; **Ben Yahia, Sadok** 12th International Conference on Information Systems and Advanced Technologies "ICISAT 2022" : Intelligent Information, Data Science and Decision Support System 2023 / p. 454 - 464 [https://doi.org/10.1007/978-3-031-25344-7\\_42](https://doi.org/10.1007/978-3-031-25344-7_42) [Article collection metrics at Scopus](#) [Article at Scopus](#)

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