

### **Explainable AI based fault detection and diagnosis system for air handling units**

**Belikov, Juri; Meas, Molika; Machlev, Ram; Köse, Ahmet; Tepļakov, Aleksei; Loo, Lauri; Petlenkov, Eduard; Levron, Yoash** Proceedings of the 19th International Conference on Informatics in Control, Automation and Robotics - ICINCO, 2022 , Lisbon, Portugal 2022 / p. 271-279 <https://doi.org/10.5220/0011350000003271>

### **Explainable Artificial Intelligence (XAI) techniques for energy and power systems : review, challenges and opportunities**

Machlev, Ram; Heistrene, L.; Perl, M.; Levy, K. Y.; **Belikov, Juri**; Mannor, S.; Levron, Yoash Energy and AI 2022 / art. 100169, 13 p. : ill <https://doi.org/10.1016/j.egyai.2022.100169> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

**Kalakoti, Rajesh; Bahsi, Hayretidin; Nömm, Sven** IEEE Internet of Things Journal 2024 / p. 18237 - 18254  
<https://doi.org/10.1109/JIOT.2024.3360626> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Measuring explainability and trustworthiness of power quality disturbances classifiers using XAI - explainable artificial intelligence**

Machlev, Ram; Perl, Michael; **Belikov, Juri**; Levy, Kfir; Levron, Yoash IEEE transactions on industrial informatics 2022 / p. 5127–5137 <https://doi.org/10.1109/TII.2021.3126111> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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