

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](#) [Article at WOS](#)

Explaining the decisions of deep learning models for load disaggregation (NILM) based on XAI

Machlev, Ram; Malka, Asaf; Perl, Michael; Levron, Yoash; **Belikov, Juri** 2022 IEEE Power & Energy Society General Meeting (PESGM) 2022 / art. 183865 , p. 1-5 : ill <https://doi.org/10.1109/PESGM48719.2022.9917049>

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>

PMU placement for fault line location using neural additive models—A global XAI technique

Perl, Michael; Sun, Zhenglong; Machlev, Ram; **Belikov, Juri**; Levy, Kfir Yehuda; Levron, Yoash International journal of electrical power and energy systems 2024 / art. 109573, 10 p. : ill <https://doi.org/10.1016/j.ijepes.2023.109573> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)