# Accuracy analysis of selected time series and machine learning methods for smart cities based on Estonian electricity consumption forecast

Häring, Tobias; Ahmadiahangar, Roya; Rosin, Argo; Korõtko, Tarmo; Biechl, Helmuth 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG): proceedings 2020 / p. 425-428: ill <a href="https://doi.org/10.1109/CPE-POWERENG48600.2020.9161690">https://doi.org/10.1109/CPE-POWERENG48600.2020.9161690</a>

#### Comparison of machine learning based methods for residential load forecasting

**Shabbir, Noman**; **Ahmadiahangar, Roya**; **Kütt, Lauri**; **Rosin, Argo** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 4 p. : ill <a href="https://doi.org/10.1109/PQ.2019.8818267">https://doi.org/10.1109/PQ.2019.8818267</a>

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 <a href="https://doi.org/10.1109/ICPC2T60072.2024.10474692">https://doi.org/10.1109/ICPC2T60072.2024.10474692</a> <a href="https://doi.org/10

### Generative adversarial network and CNN-LSTM based short-term power load forecasting

Liu, Y.; Liang, Z.; Li, X.; **Bakeer, Abualkasim Ahmed Ali** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / p. 1-6 https://doi.org/10.1109/CPE-POWERENG58103.2023.10227473

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## A novel short receptive field based dilated causal convolutional network integrated with Bidirectional LSTM for short-term load forecasting

Javed, Umar; Ijaz, Khalid; Jawad, Muhammad; Khosa, Ikramullah; Ansari, Ejaz Ahmad; Zaidi, Khurram Shabih; Rafiq, Muhammad Nadeem; **Shabbir, Noman** Expert systems with applications 2022 / art. 117689 <a href="https://doi.org/10.1016/j.eswa.2022.117689">https://doi.org/10.1016/j.eswa.2022.117689</a> <a href="https://doi.org/10.1016/j.eswa.2022.117689">Journal metrics at Scopus Article at Scopus Journal metrics at WOS</a> Article at WOS

#### Residential DC load forecasting using long short-term memory network (LSTM)

Shabbir, Noman; Ahmadiahangar, Roya; Rosin, Argo; Husev, Oleksandr; Jalakas, Tanel; Martins, Joao 2023 IEEE 11th International Conference on Smart Energy Grid Engineering (SEGE) 2023 / p. 131-136 <a href="https://doi.org/10.1109/SEGE59172.2023.10274596">https://doi.org/10.1109/SEGE59172.2023.10274596</a>

## Residential load forecasting using recurrent neural networks

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## Short-term residental DC load forecasting using extreme gradient boost (XgBoost) algorithm

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