

Construction of nonlinear feedback strategies for energy storage systems : a stochastic dynamic programming approach

Chowdhury, Nilanjan Roy; Baimel, Dmitry; **Belikov, Juri**; Levron, Yoash 2021 IEEE Madrid PowerTech 2021 / 6 | <https://doi.org/10.1109/PowerTech46648.2021.9494819>

Dynamic modeling of networks, microgrids, and renewable sources in the dq0 reference frame : a survey

Baimel, Dmitry; **Belikov, Juri**; Guerrero, Joseph M.; Levron, Yoash IEEE Access 2017 / p. 21323-21335 : ill | <https://doi.org/10.1109/ACCESS.2017.2758523> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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-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](#) [Article at WOS](#)

A generalized control paradigm for storage systems : optimal energy management and stability certificates

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Implementation of series resonance-based fault current limiter for enhanced transient stability of grid-connected photovoltaic farm

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Improved fractional open circuit voltage MPPT methods for PV systems

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Neural Architecture Search (NAS) for designing optimal power quality disturbance classifiers

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A new resonant fault current limiter for improved wind turbine transient stability

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New type of bridge fault current limiter with reduced power losses for transient stability improvement of DFIG wind farm

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Observer-based detection and identification of sensor attacks in networked CPSs

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Optimal control of Lossy energy storage systems with nonlinear efficiency based on dynamic programming and Pontryagin's minimum principle

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A public dataset for synchronous motor electrical faults diagnosis with CNN and LSTM reference classifiers

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The role of storage degradation in energy management problems: an optimal control perspective

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A tutorial on dynamics and control of power systems with distributed and renewable energy sources based on the DQ0 transformation

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