

**Adaptive virtual inertia-damping system based on model predictive control for low-inertia microgrids**

Fawzy, Asmaa; **Bakeer, Abualkasim Ahmed Ali**; Magdy, Gaber; Atawi, Ibrahim E.; Roshdy, Mohamed IEEE Access 2021 / p. 109718 - 109731 <https://doi.org/10.1109/ACCESS.2021.3101887> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Integration of PV system with SMES based on model predictive control for utility grid reliability improvement**

**Bakeer, Abualkasim Ahmed Ali**; Salama, Hossam S.; Vokony, Istvan Protection and Control of Modern Power Systems 2021 / art. 14 <https://doi.org/10.1186/s41601-021-00191-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Model predictive control for modeling human gait motions assisted by Vicon technology**

**Vu, Trieu Minh; Tamre, Mart**; Musalimov, Victor; Kovalenko, Pavel; Rubinshtein, Irina; Ovchinnikov, Ivan; Krcmarik, David; Moezzi, Reza Journal European des systemes automatises 2020 / p. 589–600 <https://doi.org/10.18280/jesa.530501> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Model-free predictive control for improved performance and robustness of three-phase quasi Z-source inverters**

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**MPC-based optimal control of battery management system in residential application**

**Tammaru, T.; Hokmabad, Hossein Nourollahi**; Levron, Yoash; **Belikov, Juri** IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2024) : proceedings 2024 / 5 p <https://doi.org/10.1109/ISGTEUROPE62998.2024.10863121>

**PI parameter influence on underfloor heating energy consumption and setpoint tracking in nZEBs**

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**Self-learning model predictive control for dynamic activation of structural thermal mass in residential buildings**

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**Идентификация карты намагничивания вентильно-индукторного электропривода в режиме реального времени**

**Demidova, Galina** Известия СПбГЭТУ "ЛЭТИ" 2021 / с. 69–75 [https://izv.etu.ru/assets/files/izvestiya-1\\_2021-69-75.pdf](https://izv.etu.ru/assets/files/izvestiya-1_2021-69-75.pdf)