

Automatic generation control of a future multisource power system considering high renewables penetration and electric vehicles: Egyptian Power System in 2035

Nour, Morsy; Magdy, Gaber; Chaves-Avila, Jose Pablo; Sanchez-Miralles, Alvaro; **Petlenkov, Eduard** IEEE Access 2022 / p. 51662-51681 : ill <https://doi.org/10.1109/ACCESS.2022.3174080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improving dynamic stability of deregulated power system

Rouhani, Seyed Hossein; **Ahmadihangar, Roya**; **Häring, Tobias**; **Rosin, Argo** 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, Nov. 5-7, 2020 : conference proceedings 2020 / 6 p <https://doi.org/10.1109/RTUCON51174.2020.9316618>

Optimal ultra-local model control integrated with load frequency control of renewable energy sources based microgrids

Bakeer, Abualkasim Ahmed Ali; Magdy, Gaber; **Chub, Andrii**; Jurado, Francisco; Rihan, Mahmoud Energies 2022 / art. 9177 <https://doi.org/10.3390/en15239177> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Robust stability region of PI controllers for an interval time delayed load frequency control

Ghorbani, Majid; **Nosrati, Komeil**; **Tepjakov, Aleksei**; **Belikov, Juri**; **Petlenkov, Eduard** IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2024) : proceedings 2024 / 5 p <https://doi.org/10.1109/ISGTEUROPE62998.2024.10863205> [Article at Scopus](#) [Article at WOS](#)

A sophisticated modeling approach for photovoltaic systems in load frequency control

Bakeer, Abualkasim Ahmed Ali; Magdy, Gaber; **Chub, Andrii**; Bevrani, Hassan International journal of electrical power and energy systems 2022 / art. 107330, 12 p. : ill <https://doi.org/10.1016/j.ijepes.2021.107330> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Superconducting energy storage technology-based synthetic inertia system control to enhance frequency dynamic performance in microgrids with high renewable penetration

Magdy, Gaber; **Bakeer, Abualkasim Ahmed Ali**; Alhasheem, Mohammed Protection and Control of Modern Power Systems 2021 / Art. 36 <https://doi.org/10.1186/s41601-021-00212-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)