

Title: [Features of construction of bi - directional charging converters for realization of the concept of bilateral energy-exchange “vehicle-to-grid” in distribution networks](#)

Authors: ZHARKIN A.F., NOVSKIY V.O., ZAPADYNCHUK O.P., MARTINOV V.V.

Source: Tekhnichna Elektrodynamika 5: 19–25, 2020 DOI: <https://doi.org/10.15407/techne.d2020.05.019>

Title: [Two-inverter-based photovoltaic installation adjusted by the modified scheme of space-vector modulation](#)

Authors: OLESCHUK V., ERMURATSKII V.

Source: Tekhnichna Elektrodynamika 5: 26–30, 2020 DOI: <https://doi.org/10.15407/techne.d2020.05.026>

Title: [Organization of a boost channel in the structure of a renewable DC energy source](#)

Authors: LYPKIVSKYI K.O., MOZHAROVSKYI A.G.

Source: Tekhnichna Elektrodynamika 5: 31–34, 2020 DOI: <https://doi.org/10.15407/techne.d2020.05.031>

Title: [Phase-locked loop system of resonance inverters for induction heating instalation with pulse density modulation](#)

Authors: HUTSALIUK V.Ya., YURCHENKO O.M., ZUBKOV I.S.

Source: Tekhnichna Elektrodynamika 5: 35–39, 2020 DOI: <https://doi.org/10.15407/techne.d2020.05.035>

Subject Categories: Electromechanical energy conversion

Title: [Forming the induction motor torque when starting](#)

Author: KHREBTOVA O.

Source: Tekhnichna Elektrodynamika 5: 40–44, 2020 DOI: <https://doi.org/10.15407/techne.d2020.05.040>

Title: [Local autonomous sources of energy supply for emergencies](#)

Authors: CHORNYI O.P., ZACHEPA Iu.V., MAZURENKO L.I., BURYAKOVSKIY S.G.,

CHENCHEVOI V.V., ZACHEPA N.V.

Source: Tekhnichna Elektrodynamika 5: 45–48, 2020 **DOI:** https://doi.org/10.15407/techne_d2020.05.045

Subject Categories: Electric power systems and installations

Title: [Adjustment of the MATLAB surge arrester model parameters](#)

Author: SHPOLIANSKYI O.

Source: Tekhnichna Elektrodynamika 5: 49–53, 2020 **DOI:** https://doi.org/10.15407/techne_d2020.05.049

Title: [Earth fault protection improvement on distribution networks](#)

Authors: SYVOKOBYLENKO V.F., LYSENKO V.A.

Source: Tekhnichna Elektrodynamika 5: 54–61, 2020 **DOI:** https://doi.org/10.15407/techne_d2020.05.054

Title: [The impact of sampling frequency on the accuracy of travelling wave-based fault protection methods](#)

Authors: REGULSKI P., BEJMERT D.

Source: Tekhnichna Elektrodynamika 5: 62–64, 2020 **DOI:** https://doi.org/10.15407/techne_d2020.05.062

Title: [New approach to simulation of extra-power solar plant with power evacuation by networks of the Chernobyl NPP](#)

Authors: LUKIANENKO L., STELIUK A.

Source: Tekhnichna Elektrodynamika 5: 65–69, 2020 **DOI:** https://doi.org/10.15407/techne_d2020.05.065

Title: [The cost of error of "day ahead" forecast of technological losses of electrical energy](#)

Authors: BLINOV I., MIROSHNYK V., SHYMANIUK P.

Source: Tekhnichna Elektrodynamika 5: 70–73, 2020 **DOI:** https://doi.org/10.15407/techne_d2020.05.070

Subject Categories:□□□□□ **Electrotechnological complexes and systems**

Title: [Magnetic forces and currents of the inductor for magnetic-pulse processing of of welding joints of non-magnetic thin sheet metals](#)

Authors: RASCHEPKIN A.P., KONDRATENKO I.P., KARLOV A.N., KRYSHCHUK R.S.

Source: Tekhnichna Elektrodynamika 5: 74–79, 2020 **DOI:** <https://doi.org/10.15407/techne d2020.05.074>

Title: [High voltage plant with 3 MW pulse power for disinfection flow of water by nanosecond discharges in gas bubbles](#)

Authors: BOJKO N.I., MAKOGON A.V.

Source: Tekhnichna Elektrodynamika 5: 80–83, 2020 **DOI:** <https://doi.org/10.15407/techne d2020.05.080>

Title: [Determination of control system information coordinates of high voltage installations for electrodischarge treatment of carbon-containing gases](#)

Authors: VINNYCHENKO D., VINNYCHENKO I.

Source: Tekhnichna Elektrodynamika 5: 84–87, 2020 **DOI:** <https://doi.org/10.15407/techne d2020.05.084>

Subject Categories:□□□□□ **Information-measuring systems in power engineering**

Title: [Error of measuring electrolytic conductivity by a cell \(Jones type\) due to radial displacement of its parts after assembling](#)

Author: MELESHCHUK D.V.

Source: Tekhnichna Elektrodynamika 5: 88–92, 2020 **DOI:** <https://doi.org/10.15407/techne d2020.05.088>

Institute of Electrodynamics, 2020



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