

Title: [Effect of electric conducting element on indicators of linear pulse electromechanical converter induction type](#)

Author: BOLYUKH V.F.

Source: Tekhnichna Elektrodynamika 3: 22–29, 2020 DOI: https://doi.org/10.15407/techne_d2020.03.022

Subject Categories: Conversion of electric energy parameters

Title: [Energy efficient strategies of power active filtration based on optimal decompositions of load currents and corresponding power losses](#)

Authors: ARTEMENKO M.Yu., KUTAFIN Y.V., MIKHALSKY V.M., POLISHCHUK S.Y., CHOPYK V.V., SHAPOVAL I.A.

Source: Tekhnichna Elektrodynamika 3: 30–35, 2020 DOI: https://doi.org/10.15407/techne_d2020.03.030

Title: [Equivalence of "vector" and "proportional" controlling methods for active power filter](#)

Authors: TUGAY D.V., ZHEMEROV G.G., KOLONTAEVSKY Yu.P., KORNELIUK S.I.

Source: Tekhnichna Elektrodynamika 3: 36–39, 2020 DOI: https://doi.org/10.15407/techne_d2020.03.036

Subject Categories: Electromechanical energy conversion

Title: [Comparative analysis of passive, active and hybrid current harmonics filters for frequency-regulated electric drive](#)

Authors: VOLKOV I.V., PODOLNY S.V., MARUNYA Yu.V.

Source: Tekhnichna Elektrodynamika 3: 40–45, 2020 DOI: https://doi.org/10.15407/techne_d2020.03.040

Title: [Control of overhead crane manipulator hoist mechanism for lowering basket to the bath with aggressive solution](#)

Authors: TOLOCHKO O.I., STIAZHKIN V.P., RYZHKOV A.M.

Source: Tekhnichna Elektrodynamika 3: 46–51, 2020 DOI: https://doi.org/10.15407/techne_d2020.03.046

Subject Categories: Electric power systems and installations

Title: [Power industry of Ukraine and realities of the global warming](#)

Authors: KYRYLENKO O.V., BASOK B.I., BASEYEV Ye.T., BLINOV I.V.

Source: Tekhnichna Elektrodynamika 3: 52–61, 2020 DOI: https://doi.org/10.15407/techne_d2020.03.052

Title: [The influence of stochastic energy character in distributed generation systems on their stability](#)

Authors: KLEN K.S., ZHUIKOV V.Ya.

Source: Tekhnichna Elektrodynamika 3: 62–68, 2020 DOI: https://doi.org/10.15407/techne_d2020.03.062

Subject Categories: Electrotechnological complexes and systems

Title: [Progress of semiconductor discharge-pulse systems for processing granular conductive media](#)

Authors: SHYDLOVSKA N.A., ZAKHARCHENKO S.M.

Source: Tekhnichna Elektrodynamika 3: 69–78, 2020 DOI: https://doi.org/10.15407/techne_d2020.03.069

Title: [Circulation of the metal melt in the induction channel furnace at a phase control of supply voltage](#)

Authors: GORYSLAVETS Yu.M., GLUKHENKY O.I., BONDAR O.I.

Source: Tekhnichna Elektrodynamika 3: 79–82, 2020 DOI: https://doi.org/10.15407/techne_d2020.03.079

Subject Categories: Information-measuring systems in power engineering

Title: [Phase light rangerfinder with adaptive optical calibration system](#)

Authors: BRAGYNETS I.O., MASJURENKO Yu.O.

Source: Tekhnichna Elektrodynamika 3: 83–88, 2020 **DOI:** <https://doi.org/10.15407/tehd2020.03.083>

Subject Categories: ████████ Anniversaries

Title: [To the 70th anniversary of the Member of NAS of Ukraine O.V.KYRYLENKO](#)

Source: Tekhnichna Elektrodynamika 3: 89–90, 2020

Title: [To the 85th anniversary of corresponding member of the NAS of Ukraine V.G.KUZNETSOV](#)

Source: Tekhnichna Elektrodynamika 3: 91–92, 2020

Institute of Electrodynamics, 2020



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