

[019.01.016](#)

Title: [Effect of HF losses in a real capacitor on a common-mode noise decreasing for transistor converters with accumulating choke](#)

Authors: GURIN V.K., PAVLOVSKYI V.O., YURCHENKO O.M.

Source: Tekhnichna Elektrodynamika 1: 21–24, 2019 **DOI:** <https://doi.org/10.15407/techned2019.01.021>

Title: [Source of the stabilized discharge current in carbon- containing gases with frequency-parametric regulation](#)

Authors: VINNYCHENKO D.V., NAZAROVA N.S.

Source: Tekhnichna Elektrodynamika 1: 25–28, 2019 **DOI:** <https://doi.org/10.15407/techned2019.01.025>

Title: [Provision of electromagnetic compatibility of a high-power soft starter with vessel's power system in dynamic modes](#)

Authors: BUSER V., ZAKHARCHENKO V., GLAZEVA O., KHANDAKJI K.

Source: Tekhnichna Elektrodynamika 1: 29–33, 2019 **DOI:** <https://doi.org/10.15407/techned2019.01.029>

Subject Categories: Electromechanical energy conversion

Title: [Study of starting regimes of induction motors using equivalent parameters of quasi-3D field model](#)

Authors: POPOVYCH O.M., GOLOVAN I.V.

Source: Tekhnichna Elektrodynamika 1: 34–37, 2019 **DOI:** <https://doi.org/10.15407/techned2019.01.034>

Title: [A virtual complex with the parametric adjustment to electromechanical system parameters](#)

Authors: CHORNYI O.P., SERHIENKO S.A.

Source: Tekhnichna Elektrodynamika 1: 38–41, 2019 **DOI:** <https://doi.org/10.15407/techned2019.01.038>

Subject Categories:□□□□□ **Electric power systems and installations**

Title: [Determination of the oscillating power in asymmetrical non-sinusoidal modes of electric networks](#)

Authors: BURBELO M.J., HADAI A.V., STEPURA O.V.

Source: Tekhnichna Elektrodynamika 1: 42–49, 2019 **DOI:** <https://doi.org/10.15407/techned2019.01.042>

Title: [Determination of seat of a single-phase circuit to earth under conditions of electromagnetic influence on the air line of signaling, centralization and blocking of railways](#)

Authors: SOPEL M.F., GREBCHENKO N.V., MAXIMCHUK V.F., PYLYPENKO Y.V.

Source: Tekhnichna Elektrodynamika 1: 50–54, 2019 **DOI:** <https://doi.org/10.15407/techned2019.01.050>

Title: [Combined stochastic technique. Comparison of results obtained by different multi criteria decision making techniques](#)

Authors: LUKIANENKO L., GONCHARENKO I.

Source: Tekhnichna Elektrodynamika 1: 55–62, 2019 **DOI:** <https://doi.org/10.15407/techned2019.01.055>

Title: [Overvoltages in electric networks of own needs of power plants during the commutation of vacuum switches, and their limitations](#)

Authors: RAVLYK N.O., RAVLYK O.M., SEHEDA M.S.

Source: Tekhnichna Elektrodynamika 1: 63–67, 2019 **DOI:** <https://doi.org/10.15407/techned2019.01.063>

Title: [Justification for use of voltage class 20 kV in urban electrical networks](#)

Authors: BUINYI R.O., KRASNOZHON A.V., ZORIN V.V., KVYTSYNSKYI A.O.

Source: Tekhnichna Elektrodynamika 1: 68–71, 2019 **DOI:** <https://doi.org/10.15407/techned2019.01.068>

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

Title: [Modeling and optimization of new glass melting furnace with "inner" inductor](#)

Authors: VOLKOV I.V., KUCHERIAVA I.M.

Source: Tekhnichna Elektrodynamika 1: 72–78, 2019 **DOI:** <https://doi.org/10.15407/techned2019.01.072>

Title: [Extreme control system for pump complex by the criterion of maximum efficiency](#)

Authors: ZAGIRNYAK M., ALIEKSIEIEVA I., KONO H., KORENKOVA T.

Source: Tekhnichna Elektrodynamika 1: 79–84, 2019 **DOI:** <https://doi.org/10.15407/techned2019.01.079>

Subject Categories: Information-measuring systems in power engineering

Title: [Computer simulation of high-voltage DAC](#)

Authors: TESIK Yu.F., KARASINSKII O.L., MOROZ R.N.

Source: Tekhnichna Elektrodynamika 1: 85–88, 2019 **DOI:** <https://doi.org/10.15407/techned2019.01.085>

Title: [Calibration thermoelectric heat flux sensor in the diagnostic system of thermal state of electric machines](#)

Authors: BABAK V.P., KOVTUN S.I.

Source: Tekhnichna Elektrodynamika 1: 89–92, 2019 **DOI:** <https://doi.org/10.15407/techned2019.01.089>

Institute of Electrodynamics, 2019