

[coils](#)

Authors: BATYGIN Yu.V., SHINDERUK S.O., CHAPLYGIN E.O., YERYOMINA O.F.

Source: Tekhnichna Elektrodynamika 4: 19–24, 2020 DOI: <https://doi.org/10.15407/techne.d2020.04.019>

Title: [Active shielding of magnetic field of overhead power line with phase conductors of triangle arrangement](#)

Authors: KUZNETSOV B.I., NIKITINA T.B., BOVDUI I.V.

Source: Tekhnichna Elektrodynamika 4: 25–28, 2020 DOI: <https://doi.org/10.15407/techne.d2020.04.025>

Subject Categories: Conversion of electric energy parameters

Title: [Formation of the compensating current of a three-phase shunt active power filter using multiple-rate sliding modes](#)

Authors: MYSAK T.V., MYKHALSKYI V.M.

Source: Tekhnichna Elektrodynamika 4: 29–34, 2020 DOI: <https://doi.org/10.15407/techne.d2020.04.029>

Subject Categories: Electromechanical energy conversion

Title: [Formation of dynamic modes of full-controlled hybrid energy storage system for electric vehicles](#)

Authors: PERESADA S., NIKONENKO Ye., ZHELINSKYI M., RESHETNYK V.

Source: Tekhnichna Elektrodynamika 4: 35–40, 2020 DOI: <https://doi.org/10.15407/techne.d2020.04.035>

Title: [Optimization of magnetization and demagnetization processes of the vector controlled asynchronous motor](#)

Authors: TOLOCHKO O.I., KALUHIN D.V.

Source: Tekhnichna Elektrodynamika 4: 41–45, 2020 DOI: <https://doi.org/10.15407/techne.d2020.04.041>

Subject Categories: Electric power systems and installations

Title: [The problem of electric power storages' placement in the ips of ukraine taking into account its influence on the power flows transmitted by controlled cutsets](#)

Authors: BUTKEVYCH O.F., YUNIEIEVA N.T., HURIEIEVA T.M., STETSYUK P.I.

Source: Tekhnichna Elektrodynamika 4: 46–50, 2020 DOI: <https://doi.org/10.15407/techne.d2020.04.046>

Title: [Using the concept of power factor for estimating the devices efficiency for correction of networks transitional modes](#)

Authors: CHYZHENKO O.I., POPOVYCH O.M., TRACH I.V., RYBINA O.B.

Source: Tekhnichna Elektrodynamika 4: 51–54, 2020 DOI: <https://doi.org/10.15407/techne.d2020.04.051>

Title: [Management of generation and redistribution electric power in grid-tied photovoltaic system of local object](#)

Authors: SHAVELKIN A., SHVEDCHYKOVA I.

Source: Tekhnichna Elektrodynamika 4: 55–59, 2020 DOI: <https://doi.org/10.15407/techne.d2020.04.055>

Title: [Management of modes of distributive electric networks of cities under conditions of weak correlation of graphics of active and reactive power](#)

Authors: GOVOROV P.P., NOVSKIY V.O., GOVOROV V.P., KINDINOVA A.K.

Source: Tekhnichna Elektrodynamika 4: 60–66, 2020 DOI: <https://doi.org/10.15407/techne.d2020.04.060>

Title: [Reducing additional losses in power reactor windings](#)

Authors: HOEVENAARS A.H., LAVRENIUK A.V., PENTEGOV I.V., RYMAR S.V., SYDORETS V.M.

Source: Tekhnichna Elektrodynamika 4: 67–71, 2020 DOI: <https://doi.org/10.15407/techne.d2020.04.067>

Title: [Components of model for analysis of influence of renewables on the electricity market price in Ukraine](#)

Authors: IVANOV H.A., BLINOV I.V., PARUS E.V., MIROSHNYK V.O.

Source: Tekhnichna Elektrodynamika 4: 72–75, 2020 **DOI:** <https://doi.org/10.15407/tehnied2020.04.072>

Title: [The influence of electrical energy quality to economic characteristics of isolated MicroGrid](#)

Authors: YAMNENKO Y.S., TERESHCHENKO T.O., FEDIN I.S., KLEPACH L.E.

Source: Tekhnichna Elektrodynamika 4: 76–79, 2020 **DOI:** <https://doi.org/10.15407/tehnied2020.04.076>

Subject Categories: Information-measuring systems in power engineering

Title: [Methodology for calculating the energy consumption of information communication systems](#)

Authors: SONG WENGUANG, ANDRUSHCHAK V.S., KAIDAN M.V., BESHLEY M.I., KOCHAN O.V., SU JUN

Source: Tekhnichna Elektrodynamika 4: 80–88, 2020 **DOI:** <https://doi.org/10.15407/tehnied2020.04.080>

Subject Categories: Anniversaries

Title: [TO THE 70TH ANNIVERSARY of corresponding member of NAS Ukraine A.A.Shcherba](#)

Source: Tekhnichna Elektrodynamika 4: 89–90, 2020

Title: [TO THE 85TH ANNIVERSARY V.O.Barskyi](#)

Source: Tekhnichna Elektrodynamika 4: 91–92, 2020

Institute of Electrodynamics, 2020



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