
No 6
TECHNICAL ELECTRODYNAMICS
2019

Issue DOI: <https://doi.org/10.15407/techned2019.06>

CONTENTS

Title: [TO THE 40th ANNIVERSARY of journal "TEKHNICHNA ELEKTRODYNAMIKA"](#)

Source: Tekhnichna Elektrodynamika 6: 3–4, 2019

Subject Categories: □ □ □ □ □ **Theoretical electrical engineering and electrophysics**

Title: [Electromagnetic field of W-shaped inductor for magnetic-pulse processing of materials](#)

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

Source: Tekhnichna Elektrodynamika 6: 5–12, 2019 DOI: <https://doi.org/10.15407/techned2019.06.005>

Title: [Shielding of underground extra-high voltage cable line by plane ferromagnetic shield](#)

Author: KUCHERIAVA I.M.

Source: Tekhnichna Elektrodynamika 6: 13–17, 2019 DOI: <https://doi.org/10.15407/techned2019.06.013>

Title: [Improving principles of electric energy pulse transformation into high-frequency mechanical energy using capacitive method](#)

Authors: PETRISHCHEV O.N., NOZDRACHOVA K.L., SUCHKOV G.M., MYGUSHCHENKO R.P., KROPACHEK O.Yu., PLESNETSOV S.Yu.

Source: Tekhnichna Elektrodynamika 6: 18–24, 2019 DOI: <https://doi.org/10.15407/techned2019.06.013>

[019.06.018](#)

Subject Categories: Conversion of electric energy parameters

Title: [Optimization of inductive-capacital converter with bridge one-phase rectifier, capacitary filter and parallel active load](#)

Authors: SPIRIN V.M., HUBAREVICH V.M., MARUNYA Yu.V., SALKO S.V., GREBENYUK V.G.

Source: Tekhnichna Elektrodynamika 6: 25–29, 2019 DOI: <https://doi.org/10.15407/techned2019.06.025>

Title: [Improving the efficiency of using an autotransformer by varying the current density in individual sections of its winding](#)

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

Source: Tekhnichna Elektrodynamika 6: 30–34, 2019 DOI: <https://doi.org/10.15407/techned2019.06.030>

Subject Categories: Electromechanical energy conversion

Title: [Comparative analysis of power and speed indicators linear pulse electromechanical converters electrodynamic and induction types](#)

Authors: BOLYUKH V.F., KASHANSKYI Yu.V., SHCHUKIN I.S.

Source: Tekhnichna Elektrodynamika 6: 35–42, 2019 DOI: <https://doi.org/10.15407/techned2019.06.035>

Title: [Modeling of electromechanical processes of the linear permanent magnet actuator for two mass vibro-impact system](#)

Authors: BONDAR R.P., GOLENKOV G.M.

Source: Tekhnichna Elektrodynamika 6: 43–48, 2019 DOI: <https://doi.org/10.15407/techned2019.06.043>

Subject Categories: Electric power systems and installations

Title: [Municipal solid wastes as energy resource](#)

Authors: KARP I.M., PYANYKH K.Y.

Source: Tekhnichna Elektrodynamika 6: 49–58, 2019 DOI: <https://doi.org/10.15407/techned2019.06.049>

Title: [On the issue of energy storages placement in the IPS of Ukraine](#)

Authors: BUTKEYVYCH O.F., YUNIEIEVA N.T., HURIEIEVA T.M.

Source: Tekhnichna Elektrodynamika 6: 59–64, 2019 DOI: <https://doi.org/10.15407/techned2019.06.059>

Title: [Identification and assessment of the influence of unbalance voltage sources in three-phase three-wire electric networks](#)

Authors: SAYENKO Yu.L., KALYUZHNIY D.N., BOLGOV V.A.

Source: Tekhnichna Elektrodynamika 6: 65–73, 2019 DOI: <https://doi.org/10.15407/techned2019.06.065>

Title: [Application of macromodeling method as bases for forecasting electrical consumption of multiflat houses](#)

Authors: LEZHNIUK P.D., BONDARCHUK A.S., HOHOLIUK O.P.

Source: Tekhnichna Elektrodynamika 6: 74–80, 2019 DOI: <https://doi.org/10.15407/techned2019.06.074>

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

Title: [Fiber optical sensor for linear measurements](#)

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

Source: Tekhnichna Elektrodynamika 6: 81–87, 2019 DOI: <https://doi.org/10.15407/techned2019.06.081>

Title: [High-speed secondary measuring transducer for capacitive sensors with grounded electrodes](#)

Authors: BORSHCHOV P.I., LEVITSKYI A.S.

Source: Tekhnichna Elektrodynamika 6: 88–92, 2019 DOI: <https://doi.org/10.15407/techned2019.06.088>

Title: [INDEX for papers 2019](#)

Source: Tekhnichna Elektrodynamika 6: 93–96, 2019

Institute of Electrodynamics, 2019