1
TECHNICAL ELECTRODYNAMICS
2015

CONTENTS

Title: **ANALYSIS of “Technical Electrodynamics” Journal Integration into International Scientometric Systems over 2012-2014**
Source: Tekhnichna Elektrodynamika 1: 3–6, 2015

Subject Categories: **Conversion of electric energy parameters**

Title: Maximizing the control range of a matrix converter
Authors: MYKHALSKYI V.M., SOBOLEV V.M., CHOPYK V.V., SHAPOVAL I.A.
Source: Tekhnichna Elektrodynamika 1: 7–13, 2015

Title: The mathematical models of the multichannel inverters with improved spectral composition of output voltage
Authors: VOLKOV I.V., KARSHENOV D.P.
Source: Tekhnichna Elektrodynamika 1: 14–20, 2015

Title: High precision kvazyiterative two-channel servosystem with differential gear
Authors: KHUDIAYEV A., KUNCHENKO T.
Source: Tekhnichna Elektrodynamika 1: 21–28, 2015

Title: Structural realization of two-loops pfc based on zero current switching quasi-resonant pulse converters
Authors: DENISOV Yu.O., STEPENKO S.A.

Source: Tekhnichna Elektrodynamika 1: 29–36, 2015

Title: Phase-locked loop systems voltage resonant transistor converter induction heating equipment
Authors: HUTSALIUK V.Ya., HERASYMENKO P.Yu., SLIESAREVSKYI I.O.
Source: Tekhnichna Elektrodynamika 1: 37–42, 2015

Subject Categories: **Electromechanical energy conversion**

Title: Adaptive to rotor resistance variations vector control of induction motor based on nonlinear separation principle
Authors: PERESADA S.M., KOVBASA S.M., TRANDAFILOV V.M., BOVKUNOVYCH V.S.
Source: Tekhnichna Elektrodynamika 1: 43–50, 2015

Title: Mathematical modeling of synchronous machin with multicontour rotor in phase coordinates
Authors: SYVOKOBYLENKO V.F.
Source: Tekhnichna Elektrodynamika 1: 51–58, 2015

Title: Disk-type permanent magnet motor for wings mechanization combined drive
Authors: GREBENIKOV V.V., PRYIMAK M.V., GAMALIIA R.R., SHARABAN Yu.V.
Source: Tekhnichna Elektrodynamika 1: 59–64, 2015

Title: Electromagnetic processes in the damper winding of hydro generator with eccentricity of air gap
Authors: VASKOVSKYI Yu.M., TSYVINSKYI S.S., TYTKO O.I.
Source: Tekhnichna Elektrodynamika 1: 65–71, 2015

Title: Brushless asynchronous turbine generators with rotary converter in modes of deep consumption and issuance of reactive power
Authors: GALINOVSKIY A.M., BOBER V.A., DUBCHAK E.M.
Source: Tekhnichna Elektrodynamika 1: 72–77, 2015

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

Title: On some peculiarities of design of intelligent multi-level systems for technical diagnostics of electric power facilities
Authors: MYSLOVYCH M.V., SYSAK R.M.
Source: Tekhnichna Elektrodynamika 1: 78–85, 2015

Subject Categories: **Electrotechnological complexes and systems**

Title: Computational comparative analysis of single-phase liquid metal stirrers
Authors: GLUKHENKYI O.I., GORYSLAVETS Yu.M., TOKAREVSKYI A.V., MAKSYMENKO V.Yu.
Source: Tekhnichna Elektrodynamika 1: 86–90, 2015

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

Title: Analysis of phase system of automatic frequency correction in laser rangefinder
Authors: BRAGYNETS I.O., ZAITSEV E.O., KONONENKO O.G., MASIURENKO Yu.O., SYDORCHUK V.Ye.
Source: Tekhnichna Elektrodynamika 1: 91–94, 2015

Title: **TO the 85-th ANNIVERSARY of Member of NAS of Ukraine Schastlivoho H.H**
Source: Tekhnichna Elektrodynamika 1: 95–96, 2015

Institute of Electrodynamics, 2015