SPEEDAM 2008
Accepted Papers

TD_063   *Aida S., Watanabe k., Komatsuzaki A., Miki I.* - (Japan)
A 40kW switched reluctance motor for electric vehicle

PEC399   *Alolah A. I., Debar N.* - (Saudi Arabia)
A complete analysis of a duty cycle controlled single phase PWM AC chopper

PEC241   *Dastfan A., Behrangi F.* - (Iran)
A DC power supply based on matrix converter with reduced number of switches

TS_313   *Falvo M. C.* - (Italy)
A deterministic-probabilistic methodology for planning studies on power systems of metro-transit transportation

PEC289   *Bellini A., Bifaretti S.* - (Italy)
A digital filter to synchronize renewable energy generation systems to the grid

CD_142   *Chatterjee D., Nag T.* - (India)
A discrete model stator resistance compensated speed estimation technique with fuzzy rotor resistance estimator for sensorless vector controlled induction machine

MEM253   *Tessarolo A., Luise F.* - (Italy)
A finite element approach to harmonic core loss prediction in VSI-fed induction motor drives

PS1064   *Carbone R.* - (Italy)
A high performance rectifier for electrical power generation from marine currents

TD_297   *De Breucker S., Jacqmaer P., Tant P., Clement K., Verveckken J., Engelen K.* - (Belgium)
A hybrid electrical go-kart with energy flow management as a student project

CD_258   *Chatterjee D., Kumar Ganguli A., Chakraborti R.* - (India)
A model-based on-line rotor resistance estimation technique for rotor flux oriented control of induction machine with an improved flux observer

PEC255   *Iman-Eini H., Farhangi S., Schanen J. L.* - (France)
A modular AC/DC rectifier based on cascaded H-bridge rectifier

TS_416   *Vadiaty M., Asadi M., Rassaie M., Shariati M., Farzalizadeh S., Ebrahimi A.* - (Iran)
A new approach for determination of the communication buses architecture based on IEC 6180 in substation automation system

PEC037   *Najafi E., Vahedi A., Mahanfar A.* - (Iran)
A new controlling method based on Peak Current Mode (PCM) for PFC

CD_280   *Moghaddasian M., Nategh Sh., Kianinezhad R., Seifossadat S. Gh.* - (Iran/France)
A new direct torque control (DTC) method for dual three phase induction motors using a fuzzy inference system

TS_351   *Bracale A., Carpinelli G., Proto D., Varilone P.* - (Italy)
A new method for spectrum estimation of non-stationary waveforms in railway systems

CD_317   *Youssef K. H., Wahba M. A., Yousef H. A., Sebakhy O. A.* - (Egypt)
A new method for voltage and frequency control of stand-alone self-excited induction generator using PWM converter with variable DC link voltage

MIS392   *Battistelli L., Chiodo E., Lauria D.* - (Italy)
A new methodology for uncertainty evaluation in risk assessment

PS1339   *Picardi C., Sgrò D.* - (Italy)
A new modeling approach of electrical signals for power systems

PSR131 *Valentini M., Munk-Nielsen S., Valderrey Sanchez F., De Estibariz U. M.* - (Denmark, Spain, Italy)
A new passive islanding detection method for grid-connected PV inverters

CD_209 *Halbaoui K., Boukhetala D., Boudjema F.* - (Algeria)
A new robust model reference adaptive control for induction motor drives using a hybrid controller

CD_277 *Nategh Sh., Moghaddasian M., Kianinezhad R., Seifossadat S. Gh.* - (Iran/France)
A new sensorless field-oriented control for six-phase induction machines

MIS125 *Bhan K., Kozorez O., Kozoriz V.* - (Ukraine/U.S.A.)
A new superconductive levitation phenomenon and its possible applications capable to reduce the earth climate problem

ED_043 *Ronsisvalle C., Enea V.* - (Italy)
A new version of monolithic ESBT® power actuator with increased current capability

CD_279 *Kianinezhad R., Alcharea R., Nahid B., Betin F., Capolino G. A.* - (Iran/France)
A novel direct torque control (DTC) for six-phase induction motors with common neutrals

BD_038 *Divandari M., Momeni H.,Rastegar H., Jazaeri M.* - (Iran)
A novel dynamic observer and torque ripple minimization via fuzzy logic for SRM drives

ACF152 *Pattnaik S., Kumar Panda A., Mahapatra K.K.* - (India)
A novel improved soft switching PWM DC-DC converter

MIS344 *Barca G., Moschetto A., Sapuppo C., Tina G.M.* - (Italy)
A novel MPPT charge regulator for a photovoltaic stand-alone telecommunication system

BD_308 *Mirtalaei S. M.M., Moghani J.S., Malekian K., Abroshan M.* - (Iran)
A novel sensorless control strategy for BLDC motor drives using a fuzzy logic-based neural network observer

BD_194 *Amiri H., Afjei E.* - (Iran)
A novel sensorless technique for a new field assisted switched reluctance motor

BD_096 *Afjei E., Ataee S., Mazloomnezhad B.* - (Iran)
A novel two phase switched reluctance motor with high starting torque

PEC034 *Rosas J. C., Garcia P.M., Ramirez J.M.* - (Mexico)
A novel two switches based DC-DC multilevel voltage multiplier

CD_327 *Tsuji M., Chen S., Hamasaki S., Ariyoshi K., Zhao X., Yamada E.* - (Japan)
A novel V/f control of induction motors for wide and precise speed operation

BD_100 *Komatsuzaki A., Bamba T., Miki I.* - (Japan)
A position estimation for switched reluctance motor at standstill

CD_400 *Gatto G., Marongiu I., Perfetto A., Serpi A.* - (Italy)
A predictive direct torque control of asynchronous machines

PS2068 *Wangpeng,Yan Xiangwu* - (China)
A proposal for IEC flicker measurement using digital filters

MIS301 *Petrecca G., De Carli M.* - (Italy)
A review of hydrogen applications: technical and economic aspects

BD_397 *Jovanovic M., Dorrell G.* - (U. K.)
A sensorless speed controller for brushless doubly-fed reluctance machines

CD_355 *Castellan S., Favot M., Menis R., Tessarolo A.* - (Italy)
A simple fault-tolerant induction motor drive for dependable electrical auxiliary equipment of railway locomotives

PEC406 *Ching-Ming Lai* - (Taiwan)
A single phase PV inverter with instantaneous real power tracking control to achieve minimum DC-link capacitance

MIS337 *Minutoli S., Musico P., Lo Vetere M.* - (Italy)
A slow control and monitoring concentrator board for BaBar experiment at Stanford Linear Accelerator Center

PS2413 *A. Prudenzi, Di Lillo M., Capuani F., Falvo C.* - (Italy)
A software tool for energy audit activities in buildings

MEM203 *Amelon N., Aït-Ahmed M., Benkhoris M. F.* - (France)
A state space behavior model of an embedded synchronous generator

MEM086 *Henze O., De Gersem H., Weiland T.* - (Germany)
A stator coil model for studying high-frequency effects in induction motors

BD_197 *Schinnerl B., Gerling D.* - (Germany)
A survey of different analytical methods to calculate the non-linear Ø-I-characteristic of switched-reluctance-machines

MEM003 *Brudny J.F., Godin Th.* - (Canada/France)
A system of excitation with commutator modified in a system having rotating diodes: advantages, sizing and construction

MIS325 *Perdigão M. S., Alonso J. M., Dalla Costa M. A., Saraiva E. S.* - (Portugal)
A variable inductor MATLAB/Simulink behavioral model for application in magnetically-controlled electronic ballasts

PEC331 *Belloni M., Bonizzoni E., Maloberti F.* - (Italy)
A voltage-to-pulse converter for very high frequency DC-DC converters

EEE028 *Irmak E. , Bayindir R., Colak I. , Sagiroglu S., Bal G.* - (Turkey)
A web based real time speed control experiment on ultrasonic motor for educational purposes

BD_107 *Nica C., Enache M. A.* - (Romania)
About operation characteristics of low power synchronous motors af frequency command

CD_415 *Bruzzese C., Santini E., Sciunnache D.* - (Italy)
AC motor PWM control system based on x86 processor board and Linux-embedded OS

PEC035 *Lozano M. Jose,   Ramirez M.* - (Mexico)
AC-AC converter for unbalanced supply

PS3398 *Cecconi V., Di Dio V., Di Tommaso A. O., Di Tommaso S., La Cascia D., Miceli R.* - (Italy)
Active power maximizing for wind electrical energy generating systems moved by a modular multiple blade fixed pitch wind turbine

MR_093 *Guo Y., Chen L.* - (China)
Adaptive control of free-floating dual-arm space robot system with two objets in joint space

CD_316 *Youssef K. H., Wahba M. A., Yousef H. A., Sebakhy O. A.* - (Egypt)
Adaptive fuzzy APSO based inverse tracking-controller for DC motors

PEC315 *Youssef K. H., Wahba M. A., Yousef H. A., Sebakhy O. A.* - (Egypt)
Adaptive fuzzy backstepping control of three phase AC/DC PWM converter for induction motor drives

MR_127 *Maouche A. R., Attari M.* - (Algeria)
Adaptive neural controller of a rotating flexible manipulator

CD_295 *Vendrusculo E. A., Antenor Pomilio J. - (Brazil)*
Adaptive speed estimator for single-phase induction motor

CD_005 *Kasmieh T. - (Syria)*
Adaptive stator flux estimator for the induction machine direct torque control

PEC384 *Tenca P., Borghetti G., Carpaneto M., Marchesoni M., Vaccaro L. - (Italy)*
Adjustment of machine voltage in AC drives operating at constant power: consequences for the Inverter

PS3358 *Carmeli M. S., Castelli Dezza F., Faranda R., Marchegiani G., Mauri M. - (Italy)*
Advanced control strategy for PQ improvement in PV systems without energy storage device

MEM353 *Buccella C., Cecati C., Di Domenico M. - (Italy)*
An accurate equivalent circuit of high power/high frequency planar transformers using FEM

BD_102 *Kasa N., Iida T. - (Japan)*
An accurate estimation method for position angles of salient-pole brushless DC motor

MIS345 *Barca G., Moschetto A., Sapuppo C., Tina G.M. - (Italy)*
An advanced SOC model and energy management for a stand-alone telecommunication system

MEM324 *Bülent Ertan H., Burak Yalçiner L. - (Turkey)*
An analitical approach for the calculation flux linkage including end effect for SR motors

BD_042 *Pavlitov C., Gorbounov Y., Rusinov R., Alexandrov A., Hadjov K., Dontchev D. - (Bulgaria)*
An approach to identification of a class of switched reluctance motors

EEE024 *De Tommasi G., Pironti A. - (Italy)*
An educational open-source tool for the design of IEC 61131-3 compliant automation software

TD_273 *Tabbache B., Kheloui A., Hanini N. - (Algeria)*
An electric differential system for a two-wheel mobile plat-form using direct torque control with adaptive flux and speed observers

EEE191 *Pinheiro Lopes F.,Soares Oliveira P., Reis L. P., Araújo R. E. - (Portugal)*
An electric wheelchair as a tool for motivating students in power electronics

CD_349 *Kyeong-Hwa Kim - (Korea)*
An MRAC-based adaptive current control scheme of an AC servo motor for performance improvement of a servo drive

BD_234 *Abroshan M., Malekian K., Milimonfared J. - (Iran)*
An optimal direct thrust force control for interior permanent magnet linear synchronous motors incorporating field weakening

PEC104 *Gragger J.V., Himmelstoss F. A. - (Austria)*
Analysis and control of a two-stage boost converter

CD_216 *Weidinger T. - (Germany)*
Analysis and modelling of common mode oscillations of electrical drive systems with active front end and long motor cables

PEC183 *Thrimawithana D., Madawala U. K. - (New Zealand)*
Analysis of split-capacitor push-pull parallel resonant converter in normal mode

PEC389 *Jong Kwan Park, Kyu Min Cho, Ki Sun Cho, Won Seok Oh, and Chi Gak In - (Korea)*
Analysis of the errors on the output voltage of inverter caused by switching dead time

BD_155 *Almandoz G., Poza J., Rodriguez M. A., Gonzales A. - (Spain)*
Analytic model of a PMSM considering spatial harmonics

MIS124 *Alexandersson S., Bangtsson H. - (Sweden)*
Analytic prediction of electromagnetic behaviour

TD_187 *El Hayek J., Skarpetowski G. - (Switzerland/Poland)*
Analytical model application on a converter for traction drives

MEM299 *Khodja D. E., Chetate B. - (Algeria)*
ANN based double stator asynchronous machine diagnosis taking torque change into account

ED_202 *Cosentino G., Ardita G. - (Italy)*
Anomalous failures in low voltage p-channel power MOSFETSs during the intrinsic diode recovery time

PS1296 *Baghaee H. R., Sanjari J., Mirsalim S. M., Gharehpetian G. B. - (Iran)*
Application of FDG in fault current limitation in distribution systems including DG units

PS2179 *Merdan E., Petrean L., Munteanu C., Ilia M., Dale L. - (Romania)*
Aspects regarding the power quality in distribution networks from the Electrica Transilvania Nord Company

PEC058 *Oguchi K. - (Japan)*
Asymmetrical multi-phase voltage methods of autotransformer-based boost rectifier systems with three-phase sinusoidal line currents

PEC061 *Oguchi K. - (Japan)*
Autotransformer-based 18-pulse rectifiers without using DC-side interphase transformers: classification and comparison

MEM029 *Moehle A. - (Germany)*
Balancing currents in parallel winding branches of super large drives

MIS309 *Benhaddadi M., Olivier G. - (Canada)*
Barriers and incentives policies to high-efficiency motors and drives market penetration

PSR040 *Demirbas S., Demirtas M., Sefa I., Colak I. - (Turkey)*
Building of W&S energy system

MEM 201 *Deak C., Petrovic L., Binder A., Mirzaei M., Funieru B. - (Germany)*
Calculation of eddy currents losses in permanent magnetsof synchronous machines

MIS132 *da Câmara R. A., Cruz C.M.T., Torrico-Bascopé R.P. - (Brazil)*
Center tapped preregulator based on three-state switching cells for UPS applications

MEM085 *Ohashi S. - (Japan)*
Characteristics of the linear synchronous generator using energy from mechanical vibration

MEM074 *Jurca F., Martis C., Karoly B. - (Romania)*
Claw-pole generator analysis using Flux 3D

PS2145 *Rueckert B., Hofmann W. - (Germany)*
CMV-minimized direct power control of the grid side connected converter in doubly fed induction generators

MIS264 *Ale-Emran S.M., Forghani M., Abedi M., Gharehpetian G.B. - (Iran)*
Combined operation of UPQC and fuel cell with common DC bus

MIS265 *Ale-Emran S.M., Noroozian R., Abedi M., Gharehpetian G.B. - (Iran)*
Combined operation of UPQC and photovoltaic with multi-input single-output DC/DC converter

PS1087 *Dobriceanu M., Bitoleanu A., Popescu M., Subtirelu E., Enache S.* - (Romania)
Combined protection and control equipment for applications in the medium-voltage area

PEC346 *Serrao V., Lidozzi A., Solero L., Di Napoli A.* - (Italy)
Common and differential mode EMI filters for power electronics in automotive applications

PEC169 *Deblecker O., Moretti A., Vallée F.* - (Belgium)
Comparative analysis of two zero-current switching isolated DC-DC converter for auxiliary railway supply

PEC254 *Tessarolo A., Castellan S., Sulligoi G.* - (Italy)
Comparative performance analysis of VSI and CSI supply solutions for high-power multi-phase synchronous motor drives

PEC290 *Tongkhundam G., Konghirun M.* - (Thailand)
Comparative studies between filter networks and half DC-link filter in long cable drives

MEM207 *Eastham J. F., Cox T., Proverbs J.* - (U.K.)
Comparison between plate and wound secondaries for linear induction motors with concentrated winding primaries

CD_286 *Beizama A.M., Echeverria J.M., Fontan L., Martinez-Iturralde M., Egaña I.* - (Spain)
Comparison between pole-placement control and sliding mode control for 3-pole radial magnetic bearings

CD_335 *Consoli A., Scarcella G., Scelba G. Billè S. M., Costanzo D., Cucuccio A.* - (Italy)
Comparison of low-cost-implementation sensorless schemes in vector controlled adjustable speed drives

CD_300 *Aarniovuori L., Laurila L., Niemelä M., Pyrhönen J.* - (Finland)
Comparison of the induction motor simulation models - analytical and FEM - in drive system controlled with direct torque control

TD_282 *Fodorean D., Ruba M., Szabo L., Miraoui A.* - (France/Romania)
Comparison of the main types of fault-tolerant electrical drives used in automobile applications

PEC367 *Babaei E., Hosseini S H.* - (Iran)
Comparison of two general control methods for 3-phase to 2-phase direct converters

PEC088 *Borzabadi E., Bayati M., Esthtehardiha S.* - (Iran)
Comparison PID control with fuzzy control method into improvement performance in the DC-DC converter

CD_237 *Kheldoun A., Chetate B.* - (Algeria)
Compensation for the iron loss effect in EKF-based speed estimation of vector controlled induction motors

BD_047 *Enache M. A., Enache S., Dobriceanu M.* - (Romania)
Considerations regarding dynamic regimes of reluctance synchronous motors

PS1019 *Ghadimi A., Rastegar H., Keyhani A.* - (Iran)
Control of distributed generation units in stand-alone industrial networks

MR_244 *Bidzoaca N. G., Petrisor A., Diaconu I., Bidzoaga E.* - (Romania)
Control of shape memory alloy based tentacle robot

BD_363 *Ivanov S., Defosse V., Labrique F., Sente P.* - (Belgium/Romania)
Control under normal and fault operation of a PM synchronous motor with physically and magnetically decoupled phases

PEC156 *Dargahi M., Rezanejad M., Ranjbar A.* - (Iran)
Controller design for output voltage improvement of DC/DC buck-boost converter

CD_414 *Hamouda R. M., AlZaid Z. R.* - (Saudi Arabia)
Damping electro-mechanical oscillation by coordination between thyristor controlled braking resistors and power system stabilizer

PEC419 *Chole A. M., Fernandes B.G.* - (India/U.K.)
DC-DC power conversion using smart piezoelectric transformers

TD_105 *Ke Wang, Liming Shi, Yaohua Li, Jinwei He* - (China)
Decoupled-control scheme of combined levitation-and-propulsion SLIM based on voltage vector selection

MEM407 *Steinbrink J.* - (Germany)
Design and analysis of windings of electrical machines

PEC246 *Camur S., Arifoglu B., Beser E., Kandemir Beser E.* - (Turkey)
Design and application of a novel structure and topology for multilevel inverter

BD_270 *Nezamabadi M. M., Rahmati A., Afjei E.* - (Iran)
Design and implementation of a sensorless SRM drive with complete isolation

BD_013 *Niasar A. H., Vahedi A., Moghbeli H.* - (Iran)
Design and implementation of sensorless control for four switch, three-phase brushless DC motor drive based on DSP technology

PEC227 *Ling Su, Dongsheng Ma* - (U.S.A.)
Design and optimization of integrated low-voltage low-power monolithic CMOS charge pumps

MIS098 *Ahola J., Ahonen T., Särkimäki V., Kosonen A., Tamminen J., Tiainen R., Lindh T.* - (Finland)
Design considerations for current transformer based energy harvesting for electronics attached to electric motor

PEC039 *De Simone S., Adragna C., Spini C.* - (Italy)
Design guideline for magnetic integration in LLC resonant converters

MEM033 *Grabner C.* - (Germany)
Design impacts to the acoustic noise emission of a converter driven squirrel cage induction motor

MIS236 *Gaetani R., Verardi A., Mele E., Visconti P., Cavalera G.* - (Italy)
Design of an electronic control system for overcurrent protection in a voltage regulator based on auto-transformer

BD_356 *Seo Jung-Moo* - (Korea)
Design of BLDC motor for blower system taking into account vibration

MIS103 *Zhao Yufeng, Yang Shiyan, Yang Wei* - (China)
Design of microarc oxidation supply and study of switching losses and positive snubber

BD_357 *Khov M., Regnier J., Faucher J.* - (France)
Detection of inter-turn short circuits faults in stator of permanent magnet synchronous motor by on-line parameter estimation

PEC412 *Cavallaro C., Chimento F., Musumeci S., Raciti A., Santonocito C.* - (Italy)
Devices power losses evaluation in series resonant converter assisted by a dedicated software tool

CD_059 *Braslavsky I. Ya., Kostylev A.V.* - (Russia)
Digital prediction control of electrical drive using neural network

PEC329 *Nedeljkovic D., Nemec M., Drobnic K., Ambrožic V.* - (Slovenia)
Direct Current Control of Active Power Filter without Filter Current Measurement

MIS374 *Budig P. K.* - (Germany)
Direct linear drives for the application in high vacuum

MSA381 *Gaffney M., Nolan J. D., Piekarz R. L., Rivella O.* - (U.S.A./Italy)
Direct to drive technology for electric propulsion

PS1362 *Nunnari G., Spata A.* - (Italy)
Does a negentropic approach allow predicting blackout in electric power transmission networks?

CD_382 *Gentile G., Ometto A., Rotondale N.* - (Italy)
Double winding linear induction motor drives

PEC031 *Sefa I.,Altin N., Ozdemir S., Demirtas M.* - (Turkey)
dSPACE based control of voltage source utility interactive inverter

PS3266 *Ale-Emran S.M., Abedi M., Gharehpetian G.B., Noroozian R.* - (Iran)
Dynamic operation of a photovoltaic system connected to distribution system

MIS348 *Szumanowski A., Piórkowski P.* - (Poland)
Dynamic ultracapacitor modelling based on bench tests

PS3287 *Lughi V., Massi Pavan A., Quaia S., Sulligoi G.* - (Italy)
Economical analysis and innovative solutions for grid connected PV plants

CD_205 *Carmeli M. S., Castelli Dezza F., Iacchetti M., Perini R.* - (Italy)
Effect of the errors in the rotor position estimation on the stability of a Double Fed Induction Motor where the mechanical quantities are estimated by a MRAS

ED_044 *Jae-Eul Yeon, Cha-Kwang Kim, Myung-Sub Jung, Woo-Taek Kim, Kyu-min Cho, Hee-Jun Kim* - (Korea)
Effectiveness of FRFET® MOSFETs for theCCFL Inverter in LCD TVs

TS_172 *Munteanu C., Diaconu C., Pop I. T., Topa V.* - (Romania)
Electric and magnetic field distribution inside high voltage power stations from Romanian power grid

PS1319 *Pawlik M., Buchta J.* - (Poland)
Electrical drives in high-efficient coal-fired power plants

EEE248 *Bullejos Martin D.* - (Spain)
Electrical engineering in European higher education area

PS3196 *Varadi A. Sz., Takacs J.* - (Hungary)
Electricity generation from solid waste by plasma reactor

BD_214 *Ferkova Z., Franko M., Kuchta J., Rafajdus P.* - (Slovak Rep.)
Electromagnetic design of ironless permanent magnet synchronous motor

PS3263 *Menniti D., Pinnarelli A., Scordino N.I., Sorrentino N.* - (Italy)
Emissions reduction and risk management in the operating reserve assessment in presence of wind generation plants

PEC385 *Borghetti G., Carpaneto M., Marchesoni M., Tenca P., Vaccaro L.* - (Italy)
Energy efficiency improvement in AC/DC/AC diode-clamped multilevel conversion systems

MSA380 *D'Arco S., Monti A., Dougal R.* - (U.S.A.)
Energy storage management as key issue in control of power systems in future All Electric Ships

BD_066 *Ishizuka N., Yoshizaki K., Komatsuzaki A., Miki I.* - (Japan)
Estimation of initial rotor position for slotless PM motor

MIS168 *Walter J., Ceglia G., Guzman V. - (Venezuela)*
Evaluation of an automotive alternator as a power element for its use in an alternative energy system

PEC228 *Górecki K., Zarebski J., Zarebski R. - (Poland)*
Examining the usefulness of themethod of averaged models in calculating characteristics of a buck converter at steady state

ED_411 *Cannone A., Cavallaro C., Chimento F., Musumeci S., Raciti A. - (Italy)*
Experimental evaluation of parallel connection of super-junction MOSFET in PFC applications

MEM249 *Boccaletti C., Duni G., Santini E. - (Italy)*
Extended Thévenin equivalent circuits

MIS225 *Carvalho I. S., Valcárcel D. F., Fernandes H., Carvalho B. B., Sousa J., Pironti A., De Tommasi G. - (Portugal/Italy)*
Fast digital link for a tokamak current source control

MEM200 *Elósegui I., Egaña I., Martínez-Iturralde M., García Rico A., Flórez J. - (Spain)*
Fast sizing and simulation of multipole radial flux permanent magnet synchronous machines

FDA076 *González-Contreras B.M., Rullán-Lara J. L. - (Mexico)*
Fault diagnosis of the three-phase power inverter-induction motor set using bond graph

BD_221 *Gameiro N. S., Marques Cardoso J. M. - (Portugal)*
Fault tolerant control strategy of SRM drives

PS_071 *Oprea C., Martis C. - (Romania)*
Fault tolerant permanent magnet synchronous machine for electric power steering systems

PEC170 *Vinnikov D., Laugis J., Lehtla T. - (Estonia/ Russia)*
Feasibility study of 200 kW half-bridge and full-bridge DC/DC converters with 6.5 kV IGBT

PSW112 *Campoccia A., Dusonchet L., Telaretti E., Zizzo G. - (Italy)*
Financial measures for supporting wind power systems in Europe: a comparison between green tags and feed'in tariffs

PEC333 *Abe S., Ninomiya T. - (Japan)*
First-order transient response of DC-DC converter with peak current mode control for low-voltage application

MEM070 *Abirami S., Ganambal I., Srihari T. - (India)*
Flux switching motor modelling and simulation

MEM046 *Werner U. - (Germany)*
Foundation forces due to dynamic air gap torques of soft mounted asynchronous machines with flexible rotors in sleeve bearings – a calculation method

TD_371 *Fayazi A., Farhangi S., Asaei B. - (Iran)*
Fuel consumption and emission reduction of a mild hybrid vehicle

TD_181 *Cheli F., Mapelli F. L., Manigrasso R., Tarsitano D. - (Italy)*
Full energetic model of a plug-in hybrid electrical vehicle

CD_171 *Laakam M., Naceur M. A. - (Tunisia)*
Fuzzy logic controller for high performances of induction motor

PS1341 *Conti S., Greco A. M., Messina N. - (Italy)*
Generators control systems for stable operation

PEC359 *Silvestre J. - (Portugal)*
Half-bridge bidirectional DC-DC converter for small electric vehicle

PEC 304 *Shyu J. L. - (Taiwan)*
Harmonic distortion reduction technique for uninterruptible power supplies with DC voltage boost technique

PS1352 *Bracale A., Carpinelli G., Caramia P. - (Italy)*
Harmonic impedance estimation using high resolution spectral analysis

CD_176 *Szentirmai L., Szarka T. - (Hungary)*
High-tech drive control performance under supply voltage deviation from required quality

TD_213 *Wilhelm J., Janssen H., Mergel J., Stolten D. - (Germany)*
Horizontal order picker driven by a direct methanol fuel cell

TD_188 *Cerovsky Z., Mindl P. - (Czech Rep.)*
Hybrid electric cars, combustion engine driven cars and their impact on environment

MEM212 *Drighiciu A., Manolea G., Petrisor A. - (Romania)*
Hybrid Petri nets as a new formalism for modeling electrical drives

TD_332 *Camara M. B., Fodorean D., Gualous H., Miraoui A. - (France)*
Hybrid sources control for electric drives traction applications

TD_198 *Oleschuk V., Griva G., Profumo F., Tenconi A. - (Italy)*
Hybrid traction drive with symmetrical split-phase motor controlled by synchronized PWM

CD_217 *Gajdušek M., Damen A.A.H., van den Bosch P.P.J. - (The Netherlands)*
Identification and precise decoupling of a 3-DOF planar actuator with manipulator

MEM326 *Vyncke T. J., De Belie F. M. L. L., Boel R. K., Melkebeek J. A. A., Cheng Y., Lataire P. - (Belgium)*
Identification of synchronous machines in the frequency domain by multisine excitation

PSW149 *Brenna M., Foiadelli F. - (Italy)*
Impact of the wind generation connected to weak grids

PEC242 *Diaz N. L., Barbosa F. H., Trujillo C. L. - (Colombia)*
Implementation of nonlinear power flow controllers to control a VSC

PS3410 *Tina G., Capizzi G. - (Italy)*
Improved lead-acid battery modelling for photovoltaic application by recurrent neural networks

PEC081 *Kurokawa F., Sukita S. - (Japan)*
Improvement of dynamic characteristics of digitally controlled DC-DC converter

MSA114 *Matsui N., Kurokawa F., Shiraishi K. - (Japan)*
Improvement of transient response of power turbine generator as energy saving on ship plant

MEM193 *Sobczyk T. J. - (Poland)*
Inductanceless model of salient-pole synchronous machines

CD_386 *Borghetti G., Carpaneto M., Marchesoni M., Vaccaro L. - (Italy)*
Induction motor DTC with improvement in low frequency torque harmonic content

MR_330 *Chiandone M., Cleva S., Menis R., Sulligoi G. - (Italy)*
Industrial motion control applications using Linux RTAI

ED_387 *De Vivo B., Egiziano L., Lamberti P., Tucci V.* - (Italy)
Influence of circuit parameters on the electric discharge machining of the bearings of a PWM inverter driven motor

MSA378 *Da Rin A., Quaia S., Sulligoi G.* - (Italy)
Innovative concepts for power station design in all electric ships

PEC418 *Fukushima K., Ninomiya T., Shoyama M., Norigoe I., Harada Y., Tsukakoshi K., Dai Z.* - (Japan)
Input current-ripple reduction method on a novel pulse-link DC-AC converter for fuel cells applications

PEC271 *Wilkie K., Stone D., Bingham C., Foster M.* - (U.K.)
Integrated multilevel converter and battery management

TD_108 *Schaefer H., Kuhn K. J.* - (Germany)
Integration of electric drives into different hybrid configurations of hybrid electric vehicles

PS1342 *Conti S., Greco A. M., Messina N.* - (Italy)
Intentional islanding of MV microgrids - Part 2: Discussion of a case study and analysis of simulation results

ED_336 *Leidhold R., Mutschler P.* - (Germany)
Interaction between the current controller and the injection of alternating carriers in sensorless drives

MEM089 *Sakamoto T., Wakimoto H.* - (Japan)
Internal stress analysis of Halbach array magnets with application to linear synchronous motors

MIS 361 *Balan H., Munteanu R., Vadan J., Botezan A.* - (Romania)
Inverse currents injection module for direct current interrupters

TD_123 *Manigrasso R., Mauri M., Mapelli F. L., Tarsitano D.* - (Italy)
Inverter loss minimization for a plug-in hybrid veihcle traction drive using DSC control

PS2210 *Massoud A. M., Finney S. J., Williams B. W.* - (U.K.)
Inverter-based versus synchronous-based distributed generation; fault current limitation and protection issues

PEC302 *Zak J., Peroutka Z.* - (Czech Rep.)
Laboratory prototype of traction converter with medium frequency transformer

ED_281 *Jalakas T., Vinnikov D., Laugis L.* - (Estonia)
Light load operation of 6.5 kV 200A IGBT in halfbridge configuration

PS2394 *Andreotti A., Mottola F., Pagano M.* - (Italy)
Lightning induced voltage on power lines: a comparison between analytical solutions

CD_006 *Sayidi, A. M., Nekoui M.A.* - (Iran)
Linear optimal control of one-machine infinit-bus model considering machine order increase

TD_137 *Kolomeitsev L., Kraynov D., Pakhomin S., Rednov F., Kallenbach E., Kireev V., Boecker J., Schneider T., Henke C.* - (Germany/Russia)
Linear switched reluctance motor as a high efficiency propulsion system for railway vehicles

CD_321 *Jeftenic B., Bebic M., Gvozdenovic M., Risti L., Jevtic D.* - (Serbia)
Load equalization for high-power induction motors by speed control in limited range

CD_390 *Won Seok Oh, Kim Sol, Ki Sun Cho, Kyu Min Cho, Seung Ho Yang* - (Korea)
Load variation compensated neural network speed controller for induction motor drives

ED_095 *Abdelsalam A. K., Masoud M.I., Finney S.J., Williams B.W.* - (U. K.)
Losses calculation for medium voltage PWM current source rectifiers using different semiconductor devices

ED_328 *Ferreyre F., Clerc G., Goyet R., Bouscasse T.* - (France)
Low cost command device for single-phase induction motors

CD_262 *Krischan K., Dannerer G., Koenig O., Seebacher R. R.* - (Austria)
Low cost speed control for single phase induction motors - comparing different approaches with regard to efficiency

PEC090 *Meco-Gutiérrez M.J., Ruiz Gonzalez A.,Vargas-Merino F., Heredia-Larrubia J.R.* - (Spain)
Low heating losses by harmonic injection PWM with a frequency modulated triangular carrier

PEC402 *Accardo L., Fioretto M., Giannini G., Marino P.* - (Italy)
Low power Active Filter for conductive EMI compensation in a railway signalling window

PSR030 *Demirtas M., Sefa I., Irmak E., Colak I.* - (Turkey)
Low-cost and high sensitive microcontroller based data acquisition system for renewable energy sources

MIS373 *Budig P. K.* - (Germany)
Magnetic bearings with DC bias: design and optimum material choice

PEC303 *Komrska T., Peroutka Z.* - (Czech Rep.)
Main traction converter with medium-frequency transformer: control of conveters around MF transformer

MIS117 *Grigoryeva L., Kozoriz V., Lyashko O.* - (Ukraine)
Maple-exploring of a free flywheel suspended by the superconductive bearing

MIS195 *Ivanov V., Ivanov S., Brojboiu M., Sente P.* - (Romania/Belgium)
Matlab graphical user interface for system with Dallas microcontroller

BD_164 *Bonfè M., Bergo M.* - (Italy)
Mechatronic design of a PM brushless motor driven gear pump with sensorless control

MIS023 *Molfese C., Schipani P., Capaccioli M., Sedmak G., D'Orsi S.* - (Italy)
Mechatronic distributed control system for telescope primary mirror active optics

PEC025 *Martin J., Ladoux P., Chauchat B., Casarin J., Nicolau S.* - (France)
Medium frequency transformer for railway traction: characterisation of high voltage semi-conductors in soft switching mode

BD_099 *Shabani A.M., Kaviani A.K., Milimonfared J.* - (Iran)
Minimization of commutation torque ripple of brushless DC motors with optimized neural network based input voltage control

PEC204 *Plaza D., De Keyser R., Bonilla J.* - (Belgium)
Model predictive and sliding control of a boost converter

PEC284 *Vadillo J., Echeverria J. M., Fontan L., Martínez-Iturralde M., Elósegui I.* - (Spain)
Modeling and simulation of a direct space vector modulated matrix converter using different switching strategies

BD_012 *Niasar A. H., Vahedi A., Moghbeli H.* - (Iran)
Modeling and simulation of four-switch, three-phase brushless DC motor drive based on switching function concept

MEM065 *Cay Z., Henze O., Weiland T.* - (Germany)
Modeling and simulation of rolling element bearing in inverter-fed AC motors

MR_243 *Petrisor A., Bizdoaca N. G., Drighiciu M., Petrisor R.* - (Romania)
Modeling and simulation of walking and climbing robots based on stable states transition approach as control strategy

MR_011 *Hentout A., Bouzouia B., Toukal Z.* - (Algeria)
Modeling multi-agents system for driving mobile manipulator robots

BD_147 *Sadeghierad M., Darabi A., Lesani H., Monsef H.* - (Iran)
Modeling of coreless high-speed axial-flux PM generator

MEM075 *Amimeur H., Abdessemed R., Aouzellag D., Merabet E., Hamoudi F.* - (Algeria)
Modelling and analysis of dual-stator windings self-excited induction generator

PS1129 *Imecs M., Szabo C., Incze I. I.* - (Romania)
Modelling and simulation of a vector controlled synchronous generator supplying a DC energy distribution line coupled to the AC grid

TS_422 *Nicolae P. M., Stanescu G.* - (Romania)
Modern urban transportation system based on a PWM inverter

BD_167 *Viorel I. A., Larisa S.* - (Romania)
Modular double sided linear switched reluctance motor

MIS294 *Speretta S., Sansoè C., Del Corso D., Reyneri L. M.* - (Italy)
Modular power supply for nano and micro satellites

PEC231 *Laczynski T., Werner T., Mertens A.* - (Germany)
Modulation error control for medium voltage drives with LC-filters and synchronous optimal pulsewidth modulation

PEC130 *Szczepanik J.* - (Poland)
Multiphase matrix converter for power systems application

TD_364 *Silva M., Trovao J. P., Pereirinha P., Marques L.* - (Portugal)
Multiple energy sources monitoring system for electric vehicle

CD_148 *Tongkhundam G., Konghirun M.* - (Thailand)
Multiple scalar controlled drives of induction motors for long cable applications

PSW080 *Onel I., Aycicek E.* - (Turkey)
Near future energy crisis in Turkey and new opportunities: wind energy

MEM261 *Cedell T., Andersson M., Jeppsson P., Alaküla Mats, Reinap A., Högmark C.* - (Sweden)
New advances in soft magnetic materials - Properties of moulded flux conductors in inductors and electrical motors

SEM004 *Basler S., Kennel R.M.* - (Germany)
New developments in capacitive/electrical encoders for servo drives

PEC135 *Adragna C., De Simone S., Gattavari G.* - (Italy)
New fixed off-time PWM modulator provides constant frequency operation in boost PFC pre-regulators

MIS320 *Kozoriz V., Kostenko V., Korbut L., Lyashko S., Tretjak O., Tiagulskij V.* - (Russia)
New magnetic force phenomenon testing

PEC365 *Babaei E., Hosseini S H.* - (Iran)
New multilevel converter topology with minimum number of gate driver circuits

MSA379 *Mazzuca T., Torre M.* - (Italy)
New trends in Italian naval propulsion plants design approach

ACF151 *Iannuzzi D., Lauria D., Pagano M.* - (Italy)
Non linear control of STATCOM for stand-alone power systems

CD_312   *Yanfeng Li, Haibin Yu, Dongmei Xie* - (China)
Nonintrusive efficiency estimation-based fuzzy logic efficiency improvement in an open-loop speed control on induction motors

ED_165   *Zarebski J., Dabrowski J.* - (Poland)
Non-isothermal characteristics of SiC power Schottky diodes

PS2311   *Robinett R. D., Wilson D. G.* - (U.S.A.)
Nonlinear power flow control applied to power engineering

MSA162   *De Falco S., Pasquino N.* - (Italy)
Nonstationary models for PQ monitoring in naval electrical systems

TD_334   *Gould C. R., Bingham C. M., Stone D. A., Bentley P.* - (U. K.)
Novel battery model of an all-electric personal rapid transit vehicle to determine state-of-health through subspace parameter estimation and Kalman filter

MEM106   *Bergoug N., Kadid F.Z., Abdessemed R.* - (Algeria)
Numerical modeling of the electromagnetic model of an annular induction MHD pump by the finite volume method

MID166   *Balestrino A., Landi A., Sani L.* - (Italy)
On-line monitoring of a PMSM drive system by a multiple feedback relay

CD_269   *Hamasaki S., Tsuji M., Yano J., Yamada E.* - (Japan)
Online signal frequency analysis using power series type wavelet transform

PEC377   *Wilkie K. D., Foster M. P., Stone D. A., Bingham C. M.* - (U. K.)
On-line tuning of a PID controller for a buck converter using a genetic algorithm

BD_052   *Botan C., Horga V., Ratoi M.* - (Romania)
Optimal control of the electrical drives with permanent magnet synchronous machine

PSW126   *Nandigam M., Dhali S. K.* - (U.S.A.)
Optimal design of a HVDC offshore wind farm layout

PS1146   *Andreotti A., De Martinis U., Lauria D., Mottola F.* - (Italy)
Optimal design of combined AC-DC transmission lines

BD_082   *Caux S., Maussion P.* - (France)
Optimal setting of PMSM observer parameters using 2D experimental designs

TD_211   *Miyatake M., Matsuda K.* - (Japan)
Optimal speed and charge/discharge control of a train with onboard energy storage devices for minimum energy operation

MEM276   *Pyc M., Gerling D.* - (Germany)
Optimization of a homopolar machine

MR_240   *Stan S. D., Maties V., Balan R.* - (Romania)
Optimization of a six degree of freedom micro parallel robot

PS1053   *Chebbi S., Oualbani A., Annabi M.* - (Tunisia)
Optimization of the electrical production of the electrical groups

MEM208   *Munteanu A., Simion A., Livadaru L.* - (Romania)
Optimization study upon excitation pole shape of a hybrid synchronous generator

MEM111   *Centner M., Hanitsch R.* - (Germany)
Performance evaluation of a subfractional horse-power permanent-magnet machine with a fractional slot-winding and asymmetrical stator-slot layout

CD_375   *Landi C., Luiso M.* - (Italy)
Performances assessment of electrical motors in presence of disturbances on power supply

BD_017 *Reinhard M., Huth G.* - (Germany)
Permanent excited synchronous machine with integrated contactless power delivery to the rotor system

BD_185 *Binder A., Mirzaei M.* - (Germany)
Permanent magnet savings in high speed electrical motors

ED_322 *Jokinen M., Saarakkala S., Niemelä M., Pöllänen R., Pyrhönen J.* - (Finland)
Physical drawbacks of controlled linear high speed tooth belt drives

CD_083 *Zatocil H.* - (Germany)
Physical understanding of multiple saliencies in induction motors and their impact on sensorless control

SUR186 *Binder A.* - (Germany)
Potentials for Energy Saving with Modern Drive Technology – a Survey

PS2314 *Caponetto R., Dongola G., Fortuna L., Riscica N., Zufacchi D.* - (Italy)
Power consumption reduction in a remote controlled street lighting system

PS1275 *Baghaee H. R., Golestan S., Mirsalim S. M., Gharehpetian G. B.* - (Iran)
Power control strategy of grid connected parallel inverter interfaced micro-turbines in harmonic polluted grid

CD_163 *Dabadgaonkar S. B., Basu I. K., Joshi N. K.* - (India)
Power electronic based controller for AC drives in marine pumps

PS1239 *Moreno Martinez R., Antenor Pomílio J., Pereira da Silva L. C.* - (Brazil)
Power flow control and islanding detection of local generation system with induction generator

MEM226 *Baghzouz Y., Bouzidi F.* - (U.S.A.)
Power loss in single-phase induction motors with SCR voltage controllers

PS1340 *Menniti D., Picardi C., Pinnarelli A., Sgrò D.* - (Italy)
Power management by grid-connected inverters using a voltage and current control strategy for microgrid applications

PEC404 *Ladoux P., Liccardo F., Marino P., Torre G.* - (Italy/France)
Power quality improvement by means AC/AC chopper

PS2118 *Bitoleanu A., Popescu M., Dobriceanu M.* - (Romania)
Power quality in local transportation network - The case study

PS2180 *Stanescu C., Gal S. A., Widmer J., Pispiris S. C.* - (Romania/Switzerland)
Power quality monitoring systems in Romanian electricity market

MEM091 *Vlad I., Campeanu A., Enache S.* - (Romania)
Precision improvement for predetermination of asynchronous motor operation characteristics by considering magnetic saturation

MEM109 *Enache S., Campeanu A., Vlad. I.* - (Romania)
Predetermination of the performances in dynamical regime for the DC motors using numerical methods

MEM078 *Campeanu A., Ionescu A. I., Vlad I., Enache S., Nicolaescu M.* - (Romania)
Prediction trough simulation of the optimal behaviour of the induction machine in complex dynamical processes

TD_073 *Takahashi K.* - (Japan)
Preliminary study of vehicle dynamics in a long train for superconducting maglev system

ED_119 *Abdi B., Ranjbar A. H., Malekian K., Milimonfared J., Gharehpetian G. B. -* (Iran/Canada)
Problems associated with parallel performance of high current semiconductor switches and their remedy

BD_051 *Yano T. -* (Japan)
Proposal of polyhedron based spherical stepping motors

PEC206 *Dell'Aquila A., Lecci A. -* (Italy)
PSO-based control optimization of power converters

MIS077 *Ahonen T., Tiainen R., Ahola J., Kestila J. -* (Finland)
Pump operation monitoring applying frequency converter

ACF008 *Seifossadat G., Ghasemi A. -* (Iran/France)
Quality improvement of shunt active power filter, using optimized tuned harmonic passive filters

CD_110 *Li Weichao, Hu An, Geng Shiguang, Sun Chi -* (China)
Rapid control prototyping of fifteen-phase induction motor drives based on dSPACE

BD_238 *Shabani A., Shokrollahi-Moghani J., Milimonfared J. -* (Iran)
Reduction of cogging force in axially magnetized tubular permanent magnet machines with iron pole-piece slotting

PS2120 *Abdi B., Ranjbar A. H., Milimonfared J., Gharehpetian G. B. -* (Iran/Canada)
Reliability comparison of boost PFC converter in DCM and CCM operating modes

PEC122 *Ranjbar A. H., Abdi B., Milimonfared J., Gharehpetian G. B. -* (Iran/Canada)
Reliability considerations for full-bridge DC-DC converter in fuel-cell applications

PEC160 *Zhou Jinghua, Li Zhengxi -* (China)
Research on hybrid modulation strategies based on general hybrid topology of multilevel inverter

PEC288 *Bellini A., Bifaretti S., Iacovone V. -* (Italy)
Resonant DC-DC converters for renewable energy generation systems

CD_278 *Mortazavi S.S., Kianinezhad R., Ghasemi A. -* (Iran)
Robust active power filter for power quality improvement under fast load variation

CD_409 *Filote C., Ciufudean C., Graur A., Cozgarea A. M., Amarandei D. -* (Romania)
Robust-adaptive flux observer in high performance vector control of induction motors

BD_229 *Satoshi Y., Hasegawa M., Matsui K. -* (Japan)
Robustness evaluation of IPMSM sensorless control to magnetic saturation using unknown input observer

PS1177 *Ilisiu D. -* (Romania)
Romanian energy market impact on automation and management systems of the large power plants units

MIS350 *Ohsaki H., Komi Y., Sekino M., Kubota M., Yamauchi Y. -* (Japan)
Rotational loss analysis of thrust bearing using a superconducting coil for flywheel energy storage

PEC403 *Accardo L., Fioretto M., Giannini G., Marino P. -* (Italy)
Sampling problems using Mixed Random Modulation Tecniques (MRMT) for the reduction of magnetic noise in traction motors

CD_292 *Egaña I., Elósegui I., Martínez-Iturralde M., García Rico A., Florez J. -* (Spain)
Segmented plane magnets in surface mounted permanent magnet machines: influence and design

PEC220 *Hotait H., Massoud A.M., Finney S. J., Williams B. W. - (U.K.)*
Sensorless capacitor voltage balancing using redundant states for five-level multilevel inverter at high power factor high modulation index

CD_347 *Andriollo M., De Bortoli M., Martinelli G., Morini A., Tortella A. - (Italy)*
Sensorless control strategy for a VAWT driven PM synchronous generator

BD_079 *Ozcira S., Bekiroglu N., Aycicek E. - (Turkey)*
Sensorless speed control of permanent magnet synchronous motor based on direct torque control

CD_285 *Wang C., Zhou Z., Unsworth P., Farrell T. O. - (U. K.)*
Sensorless speed measurement of induction machines using short time Fourier transformation

CD_283 *Casadei D., Mengoni M., Serra G., Tani A., Zarri L. - (Italy)*
Seven-phase induction motor drive based on stator flux vector control

PEC401 *Kouzou A., Khaldi B. S., Mahmoudi M. O., Boucherit M. S. - (Algeria)*
Shunt active power filter apparent power for design process

PEC199 *Sobczyk T. J., Borkowski D. - (Poland)*
Simplified analysis of matrix converter as a voltage phase controller for power system

BD_115 *Jianghua Cao, Xiangyu Yang - (China)*
Simulation and modeling of dual-rotor permanent-magnet synchronous motor based on MATLAB

PEC257 *Begalke T. - (U.S.A.)*
Single transformer multiple port converter

TD_272 *Henini N., Tabbache B., Roubache T., Kheloui A. - (Algeria)*
Sizing methodology of EV drive system based on optimal power efficiency

CD_218 *Ryvkin S., Schmidt-Obermoeller R., Steimel A. - (Germany, Russia)*
Sliding mode control design technique for drive system fed by a three-level voltage source inverter

ACF049 *Kanaan H.Y. , Mendalek N., Georges S., Hayek A., Al-Haddad K. - (Lebanon-Canada)*
Small-signal averaged modeling, simulation and linear control design of a PWM fixed frequency three-phase four-wire shunt active power filter for a typical industrial load

PEC219 *Casini D., Marola G. - (Italy)*
Solar battery charger for NiMH batteries

PEC405 *Ahmed M.E., Mekhilef S. - (Malaysia)*
Space vector modulation control scheme for three-level nine switch inverter

PEC360 *Grandi G., Tani A., Serra G. - (Italy)*
Space vector modulation of six-phase VSI based on three-phase decomposition

MEM354 *Jardan R. K., Nagy I., Varga Z - (Hungary)*
Special features of ultra high speed induction generators applied in the utilization of renewable energy sources

CD_323 *Larabi A., Mahmoudi M. O., Boucherit M. S. - (Algeria)*
Speed sensorless vector control of induction motor using the adaptive method with model of reference

PS2393 *Chiodo E., Lauria D. - (Italy)*
Stability assessment of power system including FACTS devices

PS1150 *Wei Keyin, Liu Dezhi, Ou Yangbin, Li Weichao* - (China)
Stability study of multi twelve-phase synchronous generator-rectifier system paralleled at DC-side

MEM369 *Bruzzese C., Giordani A., Santini E.* - (Italy)
Static and dynamic rotor eccentricity on-line detection and discrimination in synchronous generators by no-load E.M.F. space vector loci analysis

CD_259 *Salvatore N., Cascella G. L., Dell'Aquila A., Stasi S.* - (Italy)
Stator flux oriented control of induction motors using variable-saturation regulators

MEM368 *Reichert K.* - (Switzerland)
Steady-state finite-element methods to permanent magnet motor characteristics determination

PS1009 *Golkar M. A., Gahrooyi Y. R.* - (Iran)
Stochastic assessment of voltage sags in distibution networks

MSA157 *Prempraneerach P., Chryssostomidis C., Triantafyllou M. S., Karniadakis G. E.* - (U.S.A.)
Stochastic modeling of integrated power system coupled to hydrodynamics in the all-electric ship

TD_121 *Carter R., Cruden A.* - (U. K.)
Strategies for control of a battery/supercapacitor system in an electric vehicle

BD_097 *Kazumasa A., Yamada A., Miki I., Nakamura M.* - (Japan)
Study on improvement of efficiency for outer rotor type of interior permanent magnet synchronous motor

TS_396 *Battistelli L., Proto D.* - (Italy)
Substation inverter control for AC electrified transportation systems

MIS021 *Molfese C., Schipani P., Capaccioli M., Sedmak G., D'Orsi S.* - (Italy)
Survey telescope control electronics

PEC067 *Wenhua Hu, Weiming Ma, Qianzhi Zhou* - (China)
Switch linear hybrid power converter and its applications

PEC222 *Ortenzi G., Pomilio J. A.* - (Brazil)
Switch mode power supply scalability

PEC190 *Vázquez C., Lafoz M., García-Tabarés L.,Ugena D., Toral F., Rodríguez E., Sanz S.,Rodríguez I., Carrillo D.* - (Spain)
Switching losses reduction in current-controlled single-phase inverters

PEC116 *Oleschuk V., Griva G., Profumo F., Tenconi A.* - (Italy)
Synchronized overmodulation techniques for symmetrical dual three-phase converters

MEM370 *Bruzzese C., Giordani A., Rossi A., Santini E.* - (Italy)
Synchronous generator eccentricities modeling by improved MWFA and fault signature evaluation in no-load E.M.F.s and current spectra

PEC069 *Yuan Y.* - (China)
The capacitor commutated converter (CCC) as an alternative for application in slip-energy recovery drives

MEM383 *Komma T., Gueldner H.* - (Germany)
The effect of different air-gap positions on the winding losses of modern planar ferrite cores in switch mode power supplies

MEM189 *Chrisanov V.* - (Poland)
The induction motor start-up with transient suppression

PEC182 *Baguley C. A., Madawala U. K., Carsten B.* - (New Zealand)
The influence of temperature, and core geometry on ferrite core losses under DC bias conditions

MEM247 *Drif M., Marques Cardoso A. J.* - (Portugal)
The instantaneous power factor approach for rotor cage faults diagnosis in three-phase induction motors

MID376 *Fiorucci E., Bucci G., Rotondale N., Ciancetta F.* - (Italy)
The measurement of the instantaneous power rms value for the power distortion evaluation

MR_094 *Nagai T., Aramaki S.* - (Japan)
The representation method of robotic assembly task with click action

MIS036 *Ganesh N., Parameswari R.,Samaya Sanjeevi K., Kamaraj V.* - (India)
The use of soft magnetic composite material in switched reluctance machine - A study on static magnetic characterization

TD_215 *Hrabovcova V., Rafajdus P., Vojeneiak M., Susota M.* - (Slovak Rep.)
Thermal analysis of superconducting traction transformer

FDA007 *Gamil A. - Herold G.* - (Germany)
Three phase fault analysis of dc-link rectifier using new power differential protection concept

BD_252 *Cistelecan M. V., Popescu M., Melcescu L., Tudorache T.* - (Romania)
Three phase line start claw poles permanent magnet motor with pole changing winding

CD_060 *Braslavsky I. Ya, Zyuzev A. M., Nesterov K.E.* - (Russia)
Thyristor controlled asynchronous electrical drive without speed sensor

ED_256 *Mihaiu M. I.* - (Romania)
Toward the "ideal diode" by using power MOSFET in full wave synchronous rectifiers for low voltage power supplies

MEM144 *Eme A., Chamagne D., Pouget J., Glises R.* - (France)
Transient multiphysical modeling of an actuator for a variable load

EEE192 *Roasto I., Vinnikov D.* - (Estonia)
Ultracapacitors as an innovative teaching topic in Tallinn University of Technology

BD_174 *Moussa M.F., Helal A., Gaber Y., Youssef H.A.* - (Egypt)
Unity power factor control of permanent magnet motor drive system

EEE141 *Vodovozov V., Vinnikov D., Lehtla T.* - (Estonia/ Russia)
University collaboration in professional training in power electronics

PS2291 *Giannoccaro N. I., Messina A., Sakamoto T.* - (Italy/Japan)
Updating of a lumped model for an experimental web tension control system using a multivariable optimization method

PEC020 *Ghadimi A., Rastegar H., Keyhani A.* - (Iran)
Using average modeling technique for design, analysis and control of a full bridge PWM DC-DC converter

MEM002 *Godin Th., Bellemare J., David E.* - (Canada)
Using the ramped direct high-voltage method to assess stator winding insulation condition

PSR136 *Singo T. A., Martinez A., Saadate S.* - (France)
Using ultracapacitors to optimize energy storage in photovoltaic system

PEC338   *Sugimura H., Kwon S-K, Nakaoka M.* - (Japan/Korea)
Utility frequency AC to high frequency AC soft switching direct power converter without smoothing DC link for IH dual packs heater

TS_084   *Kobielski A., Prusak J.* - (Poland)
Variability of a load of DC railway traction substations in a statistical approach

MID395   *Orkisz M., Wnek M., Kryczka K., Joerg P.* - (Poland/Switzerland)
Variable frequency drive as a source of condition monitoring data

PEC223   *Canesin C. A. , Gonçalves F. A. S., Leandro E., Pinto J. O. P.* - (Brazil)
Variable speed refrigeration system with HPF input rectifier stage

BD_032   *Grabner C.* - (Germany)
Vector control versus brushless DC operation of a higher harmonic air-gap wave based permanent magnet motor

TD_018   *Hartani K., Miloud Y., Bourahla M.* - (Algeria)
Vehicle stability improvement based on electronic differential using sliding mode control

TD_306   *Morita G., Konishi T., Hase S., Nakamichi Y.* - (Japan)
Verification tests of electric double-layer capacitors for static energy storage system in DC electrified railway

CD_343   *Pimentel J. R., Rojas-Moreno A.* - (U.S.A.)
VHDL-AMS simulation support for SoC design and implementation of AC motor drives

TD_154   *Vignaux L., Saiz J., Castellazzi A., Ladoux P.* - (France/Switzerland)
VHDL-AMS traction drive model including a 3D description of thermal effects

PED298   *Pietkiewicz A.* - (Switzerland)
Virtual laboratory for harmonics filtering visualization

SEM072   *Subtirelu E., Dobriceanu M.* - (Romania)
Virtual measurement system for study and determination parameters in asynchronous motor test

MIS421   *Chiodo E., Mazzanti G.* - (Italy)
Voltage endurance estimation in aging inference of electrical machines

MSA408   *Giadrossi G., Menis R., Sulligoi G., Tessarolo A.* - (Italy)
Voltage stability analysis of all-electric cruise liners

MSA420   *Hepburn R.* - (U.S.A.)
Why a naval architect likes an electric ship

PEC113   *Sack L., Piepenbreier B., Zimmermann M. V.* - (Germany)
Z-source inverter for general purpose drives in motoring and regenerating operation