

SPEEDAM 2014 - PROVISIONAL ACCEPTED PAPERS*

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Paper ID	Authors	TITLE	Country
EMD0006	S. C. Carpiuc, C. Lazar	<i>Lyapunov-based constrained explicit current predictive control in permanent magnet synchronous machine drives</i>	Romania
EMD0008	Jun-Hyuk Choi, J. S. Park, Bon-Gwan Gu, Jin-Hong Kim, A. In-Soung Jung	<i>Control scheme for efficiency improvement of slim type BLDC motor</i>	South Korea
EMD0009	C. S. Kim, K. Lee, H. J. Yang, H. Cho, K. Park, H. Kim, M. Song, A. Y. Son, A. G. Lee	<i>Power assist recuperation system (parsTM) for automotive fuel saving and fun e-drive</i>	South Korea
EMD0011	J. S. Park, Jung-Moo Seo, Jin-Hong Kim, Bon-Gwan Gu, Jun-Hyuk Choi	<i>Design and development of integrated PWM electronics for robot applications</i>	South Korea
EMD0013	T. Roubache, S. Chaouch, M. S. Nait Said	<i>Backstepping fault tolerant control for induction motor</i>	Algeria
EMD0014	M. Alnajjar, D. Gerling	<i>Control of three-source high voltage power network for more electric aircraft</i>	Germany
EMD0019	A. Lebsir	<i>Modeling and analysis of a salient poles synchronous machines using finite-elements method</i>	Algeria

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EMD0021	Y. Liu, B. Piepenbreier	<i>Improvement of dynamic characteristic for v/f controlled induction motor drive system</i>	Germany
EMD0022	A. Gofuku, Y. Okido, T. Yano	<i>Evaluation of basic performances of a 14-12 spherical motor</i>	Japan
EMD0023	M. Ruba, V. Chindris, D. Fodorean	<i>Design and experimental validation of a low voltage high current SRM for light electric vehicles</i>	Romania
EMD0029	F. Barnard, W. Villet, P. M. Kamper	<i>Hybrid active flux and arbitrary injection position sensorless control of reluctance synchronous machines</i>	South Africa
EMD0034	M. Comanescu	<i>A synchronous reference frame sliding mode based estimator for the speed and flux magnitude of the induction motor drive</i>	United States
EMD0035	M. Comanescu	<i>An mras-type estimator for the speed, flux magnitude and rotor flux angle of the induction motor using sliding mode</i>	United States
EMD0036	M. Comanescu	<i>A sensorless sliding mode observer with improper speed input using an alternative state-space model of the induction motor</i>	United States
EMD0037	Y. Ando, K. Suzuki, H. Dohmeki	<i>Efficiency comparison of the switched reluctance motor due to the difference in the electromagnetic material</i>	Japan

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EMD0038	F. Betin	<i>Fuzzy logic applied to control of electrical machines</i>	France
EMD0039	B. Deusinger, M. Lehr, A. Binder	<i>Determination of efficiency of permanent magnet synchronous machines from summation of losses</i>	Germany
EMD0042	S. Fizek, M. Reisinger, S. Silber, W. Amrhein	<i>A hybrid solenoid model comprising eddy currents</i>	Austria
EMD0043	A. Rambetius, B. Piepenbreier	<i>Effectiveness of carrier signal based sensorless control of wound rotor synchronous machines</i>	Germany
EMD0044	K. Benath	<i>Advanced design rules for the energy optimal motor-gearbox combination in servo drive systems</i>	Germany
EMD0046	J. Schützhold, K. Benath, V. Müller, W. Hofmann	<i>Design criteria for energy efficient belt conveyor drives</i>	Germany
EMD0047	U. Lazcano, T. Bäuml, J. Poza, L. Aldasoro, T. Nieva	<i>Geometry based reduced order thermal model for totally enclosed machines</i>	Spain
EMD0048	F. Ludwig	<i>A dynamic angle calibration method for sensored foc-controlled IPMSM in field weakening region</i>	Germany

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EMD0051	M. Homann, T. Noeßelt, B. Amlang, W. Schumacher	<i>Investigation of current control loops with delta sigma converters with respect to control bandwidth and disturbance rejection</i>	Germany
EMD0056	O. Kiselychnyk, J. Wang, M. Bodson, M. Pushkar	<i>Steady-state and dynamic characteristics of self-excited induction generators with resistive-inductive loads</i>	United Kingdom Ukraine United States
EMD0058	M. Aoyama, T. Noguchi	<i>Mathematical analysis of wound-field synchronous motor self-excited by space harmonics</i>	Japan
EMD0059	S. Tapuchi, D. Baimel	<i>Novel multilayer differential linear electrostatic motor</i>	Israel
EMD0064	T. Noguchi, X. Ji	<i>Off-line parameter identification of interior permanent magnet synchronous motor by searching minimum point of current norm characteristics</i>	China
EMD0067	G. Winnischofer, C. A. F. Sartori	<i>Common-mode voltage mitigation through a polyphase drive system topology</i>	Brazil
EMD0068	F. Boseniuk, B. Ponick	<i>Parametrization of transient thermal models for permanent magnet synchronous machines exclusively based on measurements</i>	Germany
EMD0074	A. Lindner, I. Hahn	<i>Simulation of a permanent magnet flux-switching machine with reduced outer stator leakage flux</i>	Germany

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EMD0075	J. Richter, T. Gemassmer, M. Doppelbauer	<i>Nonlinear current control of saturated cross-coupled permanent magnet synchronous machines</i>	Germany
EMD0081	S. Sadeghi	<i>Design optimization of a high performance five-phase slotless PMSM</i>	United States
EMD0087	V. Füvesi, E. Kovács	<i>Neural network multi-model based method of fault diagnostics of actuators</i>	Hungary
EMD0090	M. M. Mahmoodi, E. Afjei, A. Siadatan	<i>Torque comparison between a novel multilayer switched reluctance motor and a custom one</i>	Iran
EMD0096	K. Adachi, A. Gofuku, T. Yano	<i>Simulation of rotation behavior of a 14-12 spherical motor</i>	Japan
EMD0100	A. Boutros, P. El-Jurdi, H. Y. Kanaan, K. Al-Haddad	<i>Modeling and simulation of a complex mechanical load using the multi-mass approach</i>	Lebanon Canada
EMD0101	A. Yamada, I. Miki	<i>Novel rotor structure of permanent magnet synchronous motor with rare earth and ferrite magnets</i>	Japan
EMD0102	V. Fireteanu, Alexandru-Ionel Constantin, I. Peter	<i>Stator short-circuit faults detection based on harmonics of the magnetic field in the induction motors neighboring</i>	Romania

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EMD0111	F. Ciancetta, A. Del Pizzo, N. Rotondale, L. Castellini, M. D'andrea	<i>Sfra technique applied to fault diagnosis on stators of electric motors</i>	Italy
EMD0112	W. Abu-Elhaija, J. Faiz	<i>Review of series connected wound rotor three phase induction motors</i>	Jordan Iran
EMD0114	A. Dokukin, A. Weinger, A. Shatokhin	<i>Subordinate regulation of drives with electromagnetically excited synchronous motor</i>	Russia
EMD0115	G. T. Paula, J. R. Boffino De Almeida Monteiro, T. E. Portes De Almeida, M. P. De Santana, W. C. De Andrade Pereira	<i>Evaluation of surface mounted PM machine's parameters on load conditions using frozen permeability method. part. i</i>	Brazil
EMD0118	M. Sahraoui, A. J. M. Cardoso, A. Ghoggal	<i>The use of a modified prony's method to track the broken rotor bars characteristic frequencies and amplitudes, in three-phase induction motors</i>	Algeria
EMD0119	G. Nikolay	<i>Continuous condition monitoring of the electrical insulation of AC motors without disconnection</i>	Ukraine
EMD0122	F. G. Poltschak	<i>A high efficient linear motor for compressor applications</i>	Austria
EMD0126	F. De Belie, A. Darba, J. Melkebeek	<i>Digitally current controlled three-phase machines: enhancements in dynamic analysis and antiwind-up scheme</i>	Belgium

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EMD0127	F. Luise, A. Tassarolo, M. Scalabrin, S. Pieri, F. Agnolet, P. Raffin	<i>A high-performance 640-kw 10.000-rpm halbach-array PM slotless motor with active magnetic bearings. part i: preliminary and detailed design</i>	Italy
EMD0128	F. Luise, A. Tassarolo, M. Scalabrin, S. Pieri, F. Agnolet, P. Raffin	<i>A high-performance 640-kw 10.000-rpm halbach-array PM slotless motor with active magnetic bearings. part ii: manufacturing and testing</i>	Italy
EMD0130	S. Altaf, A. Al-Anbuky, H. Gholamhosseini	<i>Fault diagnosis in a distributed motor network using artificial neural network</i>	New Zealand
EMD0134	N. Kobayashi, K. Kondo	<i>Induction motor speed sensor-less vector control with the mechanical simulator with disturbance torque compensation</i>	Japan
EMD0135	M. Huba, I. Belai	<i>Noise attenuation motivated controller design. part i: speed control</i>	Slovakia
EMD0136	M. Huba, I. Belai	<i>Noise attenuation motivated controller design. part ii: position control</i>	Slovakia
EMD0138	M. Sahin	<i>Selecting DC motor in mechatronic system using design of experiment method</i>	Turkey
EMD0140	M. Valikhani, Prof. Sourkounis	<i>A brain emotional learning based intelligent controller (belbic) for DFIG system</i>	Germany

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EMD0141	S. Tvoric, B. Tomicic, S. Car	<i>Calculation of induction traction motor short circuit characteristic by FEM method</i>	Croatia
EMD0142	A. N. Popov, I. A. Radionov, A. S. Mushenko	<i>Synergetic synthesis of power saving control for railway transport vehicle automatic piloting systems</i>	Russia
EMD0143	C. Zoeller, Hans-Dieter Wiedner, M. Vogelsberger, T. Wolbank	<i>Detecting insulation condition changes of inverter fed AC machines based on two current sensors and indirect phase pulse excitation</i>	Austria
EMD0144	A. Ghasaei, A. Vahedi	<i>Torque ripple reduction by multi-layering technique in an interior permanent magnet motor used in hybrid electric vehicle</i>	Iran
EMD0145	M. M. Mahmoodi, R. Moeini, E. Afjei, A. Siadatan	<i>Analysis of torque ripple reduction methods in SRM motor</i>	Iran
EMD0146	M. Wehner, B. Ponick	<i>Search coil systems for early fault detection in wind turbine generators</i>	Germany
EMD0147	K. Iyer, W. P. Robbins, N. Mohan	<i>Winding design of a high power medium frequency transformer</i>	United States
EMD0148	K. Hodzic, P. Mercorelli, N. Werner	<i>A Kalman filter for sensorless control of a piezo actuator for camless internal combustion engines</i>	Germany

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EMD0152	E. Erdem, Y. Tatar, S. Sunter	<i>Control of DSP-based matrix converter induction motor drive</i>	Turkey
EMD0156	P. Zaskalicky, B. Dobrucky	<i>Analytical method of a torque ripple calculation for two-phase im supplied by three-leg SPWM inverter</i>	Slovakia
EMD0157	F. Jurca, C. Martis	<i>Optimal design of a flux-switching permanent magnet machine for small power automotive applications</i>	Romania
EMD0158	F. Garofalo, I. Manzo	<i>Some lab experiments on the control of an aircraft electrical landing gear</i>	Italy
EMD0161	K. Kobayashi	<i>Characteristic comparison sensorless control at low-speed region of IPMSM</i>	Japan
EMD0164	M. Gulec, E. Yolcan, M. Aydin	<i>Design and control of an 8-slot radial flux magnetic bearing</i>	Turkey
EMD0167	M. Collotta, R. Caponetto, G. Pau	<i>A real-time system based on a neural network model to control hexacopter trajectories</i>	Italy
EMD0170	S. Atiq, T. A. Lipo, B. I. Kwon	<i>Novel field weakening technique for surface mounted permanent magnet machine using current regulated voltage source invertors</i>	South Korea United States

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EMD0175	K. Yahia, D. Matos, J. Estima, A. J. M. Cardoso	<i>Modeling synchronous reluctance motors including saturation, iron losses and mechanical losses</i>	Portugal
EMD0176	L. R. Lopes Cardoso, J. C. Teixeira	<i>3D cross coupling effect for flux control in magnetic circuit with permanent magnet</i>	Brazil
EMD0182	M. H. De Sousa, F. H. Pereira, S. I. Nabeta	<i>Standstill frequency response test by using frequency inverter and genetic algorithm</i>	Brazil
EMD0187	Y. Bendaha, M. Benyouness	<i>Fuzzy direct torque control of induction motor with sensorless speed control using parameters machine estimation</i>	Algeria
EMD0188	D. Straßberger, Dr. P. Mercorelli, Dr. A. Georgiadis	<i>Using the flatness of dc-drives to emulate a generator for a decoupled MPC using a geometric approach for motion control in robotino</i>	Germany
EMD0189	Ž. Ferková, A. Richter	<i>3D em modelling of DC traction motors for pairing of motors in tram undercarriages</i>	Slovakia Czech Republic
EMD0192	Y. Demir, M. Aydin	<i>Design and comparison of 33 slot permanent magnet synchronous motor with symmetric and asymmetric AC windings</i>	Turkey
EMD0197	A. M. And Leila Parsa	<i>Optimal design and prototyping of a five-phase direct-drive permanent magnet linear motor</i>	United States

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EMD0198	M. Tsuji, Shin-Ichi Hamasaki, A. Del Pizzo	<i>Physical space vectors for permanent magnet synchronous machine</i>	Japan
EMD0208	L. Castellini, M. D'Andrea, M. Carmignano	<i>Design of a 10p-12s SMPM synchronous machine for a dynamic focus adjustment of a laser beam</i>	Italy
EMD0209	L. Castellini, M. D'Andrea, M. Carmignano	<i>Design of a 4p-18s SMPM synchronous machine for 18 krpm rated speed</i>	Italy
EMD0210	L. Castellini, L. Pizzoni, M. Carmignano	<i>Analysis and design of a electro-mechanical actuator for a gate valve in oil&gas applications</i>	Italy
EMD0215	S. Guven, H. I. Okumus	<i>DSP-based control of autonomous vehicle driven pm dc motor</i>	Turkey
EMD0220	M. Valikhani, Prof. Sourkounis	<i>A brain emotional learning based intelligent controller (belbic) for DFIG system</i>	Germany
EMD0223	A. Tessarolo, C. Bruzese, L. Branz, M. Bailoni	<i>An accurate fourier-series expansion for round-rotor electric machine permeance function including large eccentricity effects</i>	Italy
EMD0225	J. Franke, T. Albrecht, E. Lamprecht, M. Hubert, M. Schneider	<i>The development and validation of a segmented rotor design for electric motors in hybrid vehicle applications</i>	Germany

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EMD0227	J. M. Rosario, L. R. Ardilla, E. Oliveira, D. Kubiak	<i>Actuator selection of CNC machine tool based in dynamical modeling and control</i>	Brazil
EMD0236	M. Orkisz, P. Lipnicki	<i>Rotating compressor surge detection using variable speed drive signals</i>	Poland
EMD0238	T. Gemassmer, J. Richter, M. Schnarrenberger, M. Braun	<i>Dynamic overmodulation for highly dynamic current control of IPMSM with saturation characteristics</i>	Germany
EMD0239	M. Aydin, M. Gokasan, S. Bogosyan	<i>Fuzzy based parameter tuning of ekf observers for sensorless control of induction motors</i>	Turkey
EMD0244	Dan-Cristian Popa, D. Fodorean	<i>Design and performances evaluation of a high speed induction motor used for the propulsion of an electric vehicle</i>	Romania
EMD0253	B. De Vivo, P. Lamberti, C. Petrarca, R. Raimo, V. Tucci	<i>Evaluation of the bearing voltage and the overshoot phase voltage in PWM inverter-fed by means of a multiconductor transmission line model</i>	Italy
EMD0254	M. Mauri, M. S. Carmeli, F. Castelli-Dezza, M. Maglio	<i>Design and analysis of a high frequency wireless power feeding system for train axle telemetry</i>	Italy
EMD0255	S. Ademi, M. J. And J. K. Obichere	<i>Maximum torque per inverter ampere control of brushless doubly-fed reluctance generators for wind turbines</i>	United Kingdom

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EMD0256	A. Broy	<i>Control methods for active vibration minimization in drive systems of wind power plants</i>	Germany
EMD0257	P. Rafajdus, P. Dubravka, A. Peniak, J. Saitz, L. Szabo	<i>Design procedure of switched reluctance motor used for electric car drive</i>	Slovakia
EMD0260	W. Gruber, J. Wassermann, A. Schulz, T. Hinterndorfer, H. Sima	<i>Comparison of different motor-generator sets for long term storage flywheels</i>	Austria
EMD0262	C. Olivieri, A. Del Pizzo, M. Tursini, N. Rotondale	<i>Development issues of a neural observer-based and fault-adaptive sensorless strategy for a multiphase BLDC motor</i>	Italy
EMD0267	A. Cervone, E. Santini, S. Teodori, D. Zaccagnini-Romito	<i>Analysis and simulation of a loudspeaker magnet motor</i>	Italy
EMD0268	M. Andriollo, A. Tortella, S. Kallio	<i>Optimized "fork connection" arrangement for multiple star windings</i>	Italy
EMD0274	C. Cecati, N. A. Azeez, S. Pramanick, K. Gopakumar	<i>A 5th and 7th order harmonic suppression scheme using capacitive filtering for 2-level VSI fed im drive</i>	Italy
EMD0285	S. M. Mirimani, A. Vahedi, F. Marignetti, R. Di Stefano	<i>An online eccentricity fault detection method for axial flux machines</i>	Italy

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EMD0288	T. T. Dang, M. Ruellan, H. B. Ahmed, L. Prevond, B. Multon	<i>Sizing optimization of a tubular linear induction generator for a new stirling micro-cogenerator system</i>	France
EMD292	G. Angelone, A. Del Pizzo, I. Spina, F. Vasca	<i>Model predictive control for PMSM with flux-current nonlinear maps</i>	Italy
EPQ0012	Dr. T. A Moebes	<i>Lithium battery analysis: probability of failure assessment using logistic regression</i>	United States
EPQ0078	J. Wei, D. Gerling, M. Galek	<i>Experimental characterization of conducted EMI in three-phase power electronics system using terminal model</i>	Germany
EPQ0080	E. Chiodo	<i>Model robustness analysis of a bayes stress-strength reliability estimation with limited data</i>	Italy
EPQ0084	G. Accetta, G. D'antona, D. Della Giustina, R. Faranda, H. Hafezi, G. Ubezio	<i>Open upqc: a possible solution for power quality. series unit analysis</i>	Italy
EPQ0093	B. Verhelst, J. V. Ryckeghem, J. Desmet	<i>Influence of grid-connected inverters on the power quality of the distribution grid</i>	Belgium
EPQ0106	O. C. A, L. Hernández, P. Guevara, M. Rodríguez	<i>Fault detection based on the behavior of the gate voltage applied to sic-mosfet</i>	Mexico

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EPQ0125	O. Alic, I. H. Altas	<i>Pso based load frequency control of a two area power system</i>	Turkey
EPQ0139	N. Idir, Jean-Luc Kotny, T. Duquesne	<i>Modeling and design of the EMI filter for DC-DC sic-converter</i>	France
EPQ0155	H. M. El Deeb, A. Massoud, A. Elserougi, S. Ahmed, A. S. Abdel- Khalik	<i>Discrete time domain analysis and optimal design of stationary frame AC current controllers with active damped lcl filter for high power applications</i>	Qatar
EPQ0166	M. Collotta, R. Caponetto, S. Tirrito	<i>Flexible street lamp lighting system management through power line</i>	Italy
EPQ0169	A. J. Collin, S. Z. Djokic, C. E. Cresswell, J. Meyer, A. M. Blanco	<i>Cancellation of harmonics between groups of modern compact fluorescent lamps</i>	United Kingdom
EPQ0173	C. Sourkounis, J. Wenske, F. Türki	<i>Voltage stabilization in weak grids by high power charging station</i>	Germany
EPQ0178	A. C. Moreira, L. C. P. da Silva, H. K. Morales Paredes	<i>Electrical modelling and power quality analysis of three-phase x-ray apparatus</i>	Brazil
EPQ0264	L. Kütt, E. Saarijärvi, M. Lehtonen, H. Mölder, J. Niitsoo	<i>Ev charger load current harmonics variations due to supply voltage level differences in the distribution networks</i>	Finland

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EPQ0286	E. Chiodo, G. Mazzanti	<i>Bayes parametric estimation of insulation reliability under distorted voltage</i>	Italy
EPQ0287	G. Carpinelli, A. Russo, P. Varilone	<i>Active filters: a multi-objective approach for the optimal allocation and sizing in distribution networks</i>	Italy
ESS0032	C. E., Di Noia L. P., L. D.	<i>Stochastic modelling of electrochemical batteries for smart grid applications</i>	Italy
ESS0177	I. Braslavsky, Y. Plotnikov, Z. Ishmatov, F. Polunin	<i>The estimation of technical and economic efficiency of using the supercapacitors in the hoisting applications</i>	Russia
ESS0219	E. Unamuno, L. Gorrotxategi, I. Aizpuru, U. Iraola, I. Fernandez, I. Gil	<i>Li-ion battery modeling optimization based on electrical impedance spectroscopy measurements</i>	Spain
ESS0242	S. Sikkabut, P. Mungporn, N. Poonnoi, M. Phattanasak, P. Sethakul, P. Thounthong, B. Nahid-Mobarakkeh, S. Pierfederici, B. Davat, P. Tricoli, L. Piegari	<i>A nonlinear control algorithm of li-ion battery substation for DC distributed system</i>	Thailand
ESS0249	F. Bonanno, G. Capizzi, S. Coco, A. Laudani, G. Lo Sciuto	<i>A coupled design optimization methodology for li-ion batteries in electric vehicle applications based on FEM and neural networks</i>	Italy

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ESS0275	G. Nobile, A. G. Sciacca, M. Cacciato, C. Cavallaro, A. Raciti, G. Scarcella, G. Scelba	<i>Energy harvesting in roped elevators</i>	Italy
ETR0001	W. Mysinski	<i>Resonance converter with a toroidal transformer for a tram-train vehicle</i>	Poland
ETR0041	A. Szelag, M. Patoka	<i>Some aspects of impact analysis of a planned new 25kv AC railway lines system on the existing 3 kv DC railway system in a traction supply transition zone</i>	Poland
ETR0082	G. Brusaglino	<i>Tecmehv – an european project for professional formation of electric and hybrid vehicle operators</i>	Italy
ETR0083	J. Suarez, P. Ladoux, N. Roux, H. Caron, E. Guillaume	<i>Measurement of locomotive input admittance to analyse low frequency instability on AC rail networks</i>	France
ETR0113	M. Martinovic, D. Žarko, S. Stipetic, T. Jercic, D. Staton	<i>Influence of winding design on thermal dynamics of permanent magnet traction motor</i>	Croatia
ETR0213	A. Caillierez, D. Sadarnac, A. Jaafari, S. Loudot	<i>Unlimited range for electric vehicles</i>	France
ETR0222	Z. Szymanski	<i>Quasi dynamic model of wheel vehicle with hybrid drive system and predictive control system</i>	Poland

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ETR0243	M. Brenna, F. Foiadelli, D. Zaninelli	<i>Robustness of interleaving switched power converters in multisystem locomotives</i>	Italy
ETR0251	I. Szenasy	<i>Hybrid energy storage for railcar</i>	Hungary
ETR0258	D. Fodorean, L. Idoumghar	<i>Optimal design and control of a permanent magnet synchronous motor used for light electric vehicle</i>	Romania
ETR0284	R. Bojoi, A. Cavagnino, M. Cossale, A. Tenconi	<i>Multiphase starter generator for 48v mini-hybrid powertrain: design and testing</i>	Italy
IAT0057	C. M. Verrelli, S. Pirozzi, P. Tomei, C. Natale	<i>Padé approximants in linear repetitive learning controls for robotic manipulators</i>	Italy
IAT0099	C. Fallaha, C. Kaddissi, M. Saad, H. Y. Kanaan	<i>Erl sliding mode control of an electrohydraulic active suspension</i>	Canada Lebanon
IAT0109	M. Brela, A. Heyder, F. Dietlein, J. Markert, J. Franke, R. Hauenstein, R. Wagner	<i>Automated in-line magnetic stray field measurement for monitoring the value chain quality of magnetic circuits</i>	Germany
IAT0193	A. Zuev, V. Filaretov, D. Yukhimets, A. Gubankov, E. Mursalimov	<i>An new approach for automatization of cutting of flexible items by using multilink manipulators with vision system</i>	Russia

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IAT0211	L. Castellini, L. Pizzoni, N. Borgarelli	<i>Analysis and design of a electro-mechanical actuator for an aerospace application</i>	Italy
IAT0212	L. Castellini, L. Pizzoni, N. Borgarelli	<i>Analysis and design of a recipracting linear generator for a pto</i>	Italy
IAT0229	J. M. Rosario, E. Oliveira, D. Kubiak, R. Kuteken	<i>Virtual based antropomoric gripper application for industrial automation</i>	Brazil
IAT0265	S. D\Arco, J. A. Suul	<i>Generalized implementations of piecewise linear control characteristics for multiterminal HVDC</i>	Norway
IAT0277	G. Carpinelli, S. Khormali, F. Mottola, D. Proto	<i>Demand response and energy storage systems: an industrial application for reducing electricity costs. Part I: theoretical aspects</i>	Italy
IAT0278	G. Carpinelli, S. Khormali, F. Mottola, D. Proto	<i>Demand response and energy storage systems: an industrial application for reducing electricity costs. Part II: numerical application</i>	Italy
IAT0283	M. McKinney, J. C. Fox, B. Gislason, T. Salem	<i>Controller hardware-in-the-loop validation of a magnetic core saturation algorithm for fault ride-through evaluations</i>	United States
PEC0015	Jenica-Ileana J. Corcau, L. Dinca	<i>Experimental tests regarding the functionality of a DC to DC boost converter</i>	Romania

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PEC0026	G. Consentino	<i>Proton irradiations on sj hv power MOSFETs to realize fast diode devices</i>	Italy
PEC0031	A. Di Napoli	<i>Behavior of an active front end in presence of voltage sags</i>	Italy
PEC0033	O. Deblecker, Z. De Grève, C. Versèle	<i>Evaluation of power loss and mass gains of SiC versus si-based switch-mode power supplies using a multiobjective optimization cad tool</i>	Belgium
PEC0040	P. Lezynski, A. Kempski, R. Smolenski	<i>A new control method of energy conversion for the cascaded voltage source inverter</i>	Poland
PEC0049	T. Lannert, A. Welte, T. Gemassmer, M. Braun	<i>Control and dynamic performance of the quasi-z-source-inverter fed interior-permanent-magnet-synchronous-machine</i>	Germany
PEC0052	P. Szczesniak	<i>Matrix converter interfaces two three-phase AC systems as a component of smart-grid</i>	Poland
PEC0060	D. Baimel, S. Tapuchi, R. Rabinovici, Y. Horen, S. Hay, D. Notkovitch, S. Bronshtein	<i>Hybrid flying capacitor cascaded multilevel inverter</i>	Israel
PEC0061	A. Kysela	<i>Resonant converter with input stabilizer</i>	Czech Republic

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PEC0065	D. Bommottet, M. Carpita, M. De Vivo, S. Gavin	<i>A rotating contactless power transfer system for space applications</i>	Switzerland
PEC0079	J. Kaniewski	<i>Three-phase voltage sag/swell compensator with phase shifter function based on bipolar matrix-reactance chopper</i>	Poland
PEC0085	V. Oleschuk	<i>Multilevel inverters with synchronized PWM for transformer-based photovoltaic system</i>	Moldova
PEC0094	I. Nagy, P. Nagy, P. Stumpf	<i>Limitations of the rotor voltage of doubly fed induction generator in shaping the slip-torque characteristics</i>	Hungary
PEC0098	S. Hamady, F. Morancho, B. Beydoun, P. Austin, M. Gavelle	<i>Scalable normally-off mis-hemt using fluorine implantation below the channel</i>	France Lebanon
PEC0116	D. Cavaiuolo, M. Riccio, G. De Falco, G. Romano, A. Irace, G. Breglio, D. Daprà, L. Merlin, R. Carta, C. Sanfilippo, F. Crudelini	<i>An effective parameters calibration technique for pspice IGBT models application</i>	Italy
PEC0129	R. Baranwal, G. F. Castelino, N. Mohan	<i>Power electronic transformer with reduced switch count and dual matrix converters to eliminate load common mode voltage and input snubber requirement</i>	United States

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PEC0149	S. H. Rafin, T. A. Lipo, Byung-II Kwon	<i>A novel topology for a voltage source inverter with reduced transistor count and utilizing naturally commutated thyristors with simple commutation</i>	South Korea United States
PEC0179	S. A. Mussa, T. K. Jappe, T. B. Lazzarin, C. A. Arbuseri	<i>Control strategy for three-phase four-wire PWM VSI parallel connected in UPS applications</i>	Brazil
PEC0196	J. Leyva-Ramos, L. H. Diaz-Saldierna	<i>Harmonic rejection control scheme for PWM DC/AC power converter</i>	Mexico
PEC0214	G. Grandi, J. Loncarski	<i>Implementation of carrier-based centered PWM in three-phase three-level inverters</i>	Italy Serbia and Montenegro
PEC0217	M. Balakrishnan, Dr. M. Sweet, P. S. Narayanan Ekkannath Madathil	<i>Thermal cycling reliability of polycrystalline diamond and aluminium nitride substrates</i>	United Kingdom
PEC0233	E. Jamshidpour, M. Shahbazi, P. Poure, E. Gholipour, S. Saadate	<i>FPGA based fault detection and fault tolerance operation in DC-DC converters</i>	France
PEC0240	F. Bizzarri, A. Brambilla	<i>Stability analysis of voltage regulators versus different digital control strategies by analog-mixed-signal circuit simulation</i>	Italy
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PEC0252	A. Roque	<i>Control of a power supply with cycling current using different controllers</i>	Portugal
PEC0269	G. Maragliano, M. Marchesoni, L. Vaccaro	<i>Optimal operation mode for modular multilevel converter based HVDC</i>	Italy
PEC0270	P. Zito, D. A. Lampasi, G. Maffia, G. Candela	<i>A novel digital controller for 12-pulse back-to-back AC/DC converters in nuclear fusion experiments</i>	Italy
PEC0272	F. A. Dragonas, G. Grandi, G. Neretti	<i>High-voltage high-frequency arbitrary waveform multilevel generator for dielectric barrier discharge</i>	Italy
PEC0279	C. Buccella, C. Cecati, M. G. Cimatorini, K. Razi	<i>An harmonic mitigation technique for multilevel inverters for high power systems application</i>	Italy
PEC0280	A. Testa, S. De Caro, S. Panarello, S. Patanè, G. Cannata, S. Russo	<i>Reliability assessment of avalanche mode operating power MOSFETs through coffin manson law based mathematical models</i>	Italy
PEC0281	A. Testa, S. De Caro, T. Scimone, M. Cacciato, G. Scarcella	<i>A NPC transformerless single phase inverter with inner voltage boosting capability</i>	Italy

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PEC0291	L. Rubino, N. Serbia, P. Ladoux, P. Marino	<i>Comparative study of variant topologies for mmc</i>	Italy
REC0002	M. Shaker	<i>Improving the voltage profile and reactive power of the wind farm based fixed speed wind turbine by using statcom</i>	Iran
REC0005	M. S. Widyan	<i>Large-disturbance stability analysis of grid-integrated photovoltaic generator with MPPT</i>	Jordan
REC0007	E. F. Livgard	<i>High expectations towards the energy sector and authorities on climate issues. experiences from the norwegian market</i>	Norway
REC0020	V. Leite, J. Batista, F. Chenlo, J. L. Afonso	<i>Low-cost i-v tracer for photovoltaic modules and strings</i>	Portugal Spain
REC0025	M. Pellegrino, G. Flaminio, R. Fucci, G. Graditi, F. Aleo, A. Di Stefano, P. M. Pugliatti, A. Minuto, C. Chemelli, F. Francini, D. Fontani, P. Sansoni, F. Pulvirenti, G. Gabetta, R. Campesato	<i>Spot set of protocols for overall testing for CPV</i>	Italy
REC0053	S. Daliento, P. Guerriero, F. Di Napoli, V. D'alessandro	<i>A wireless controlled circuit for PV panel disconnection in case of fire</i>	Italy

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REC0055	S. Daliento, P. Guerriero, F. Di Napoli, F. Cominale, V. D'alessandro	<i>Accurate analysis of small shadows effects on photovoltaic systems yield</i>	Italy
REC0063	Ibrahim. El-Amin, M. K. Ahmed	<i>Impact of a PV system on a power grid</i>	Saudi Arabia
REC0073	F. Bizzozero, M. Giassi, G. Gruosso, S. Bozzi, G. Passoni	<i>Dynamic model, parameter extraction, and analysis of two topologies of a tubular linear generator for seawave energy production</i>	Italy
REC0086	S. Daliento, P. Guerriero, F. Di Napoli, L. M. Di Nardo, V. D'alessandro, M. Primato, G. Vallone	<i>A wireless sensor network for the monitoring of large PV plants</i>	Italy
REC0088	S. Ohashi	<i>Design of the linear generator using mechanical vibration energy of the electric vehicle</i>	Japan
REC0089	R. Preto, G. Petrecca	<i>Realization of a biomass power plant feeded by animal by-products</i>	Italy
REC0091	F. Spertino, G. Chicco, P. Di Leo, V. Cocina	<i>Weather forecast-based power predictions and experimental results from photovoltaic systems</i>	Italy
REC0105	M. Sechilariu, B. Wang, F. Locment	<i>Power management and optimization for isolated DC microgrid</i>	France

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REC0107	B. Liu, S. Nishikata, F. Tatsuta, K. Suzuki	<i>A wind turbine simulator considering various moments of inertia of wind power generator system using a DC motor</i>	Japan
REC0121	S. Werminski	<i>Reduction of primary energy demand in electrical systems of buildings</i>	Poland
REC0131	M. Sheraz, M. A. Abido	<i>An efficient approach for parameter estimation of PV model using de and fuzzy based MPPT controller</i>	Saudi Arabia
REC0159	L. Mongibello, G. Graditi, N. Bianco, M. Musto, M. Caliano	<i>Optimal operation of residential micro-chp systems with thermal storage losses modelling</i>	Italy
REC0172	A. Mehdi, H. E. Medouce, S. E. Rezgui, H. Benalla	<i>Direct active and reactive power control of DFIG based wind energy conversion system</i>	Algeria
REC0174	A. B. Jemaa And Essounbouli Najib And Hamzaoui Abdelaziz And Faicel Hnaïen And Farouk Yalaoui	<i>Optimum sizing of hybrid pv/wind/battery using fuzzy-adaptive genetic algorithm in real and average battery service life</i>	France
REC0184	A. Monteiro, E. Ribeiro, A. J. M. Cardoso, C. Boccaletti	<i>Power control of a small-scale standalone wind turbine for rural and remote areas electrification</i>	Portugal Italy
REC0186	J. Neely, M. Cook, D. Wilson, A. S. Glover	<i>Hamiltonian control design for DC microgrids with stochastic sources and loads with applications</i>	United States

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REC0190	D. Menniti, N. Sorrentino, A. Pinnarelli, A. Burgio, G. Brusco, G. Belli	<i>The concentrated solar power system with stirling technology in a micro-grid: the simulation model</i>	Italy
REC0191	P. Tourou, C. Sourkounis	<i>Dfig-based wind energy conversion systems under unbalanced voltage dips</i>	Germany
REC0194	L. Fialho, R. Melício, V. M. F. Mendes	<i>PV system modeling by five parameters and in situ test</i>	Portugal
REC0195	F. T. Fernandes, F. A. Farret, A. Longo, C. R. De Nardin, J. G. Trapp	<i>PV efficiency improvement with superficial geothermal cooling control and heat storage</i>	Brazil
REC0204	M. Pellegrino, G. Flaminio, V. Giglio, G. Graditi, W. Ferrara, A. Di Stefano, F. Aleo, P. Pugliatti, G. Gigliucci	<i>A comparison between two different techniques to estimate the uncertainty of the low irradiance test</i>	Italy
REC0218	C. R. De Nardin, A. J. Longo, F. T. Fernandes, S. Cunha, F. A. Farret, L. P. Lima, D. R. Cruz	<i>Underground thermal energy for residential air conditioning and electricity reduction</i>	Brazil
REC0224	M. Magno, R. Giuffrida, D. Brunelli, S. Leonardi, L. Benini.	<i>A portable hybrid hydrogen fuel cell-battery power unit for wireless sensor network</i>	Italy
REC0226	P. Thounthong, S. Sikkabut, P. Mungporn, P. Sethakul, B. Nahid-Mobarakeh, S.	<i>Differential flatness control approach for fuel cell/solar cell power plant with li-ion battery storage device for grid-independent applications</i>	Thailand

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REC0230	A. Laudani, F. R. Fulginei, A. Salvini, F. Mancilla-David, G. M. Lozito	<i>Implementation of a neural MPPT algorithm on a low-cost 8-bit microcontroller</i>	Italy
REC0234	F. Palone, M. Rebolini, C. Bruzzese, F. Ielpo, S. Lauria, A. Vitiello	<i>An integrated transformer-shunt reactor operation device for the connection of off-shore wind-farms</i>	Italy
REC0237	D. Casadei	<i>Comparison of control strategies for the active and reactive power of DFIG under unbalanced grid fault</i>	Italy
REC0261	F. Bonanno, G. Capizzi, S. Coco, A. Laudani, G. Lo Sciuto	<i>Optimal thicknesses determination in a multilayer structure to improve the spp efficiency for photovoltaic devices by an hybrid FEM – cascade neural network based approach</i>	Italy
REC0263	A. Dolara, R. Faranda, S. Leva, M. Mussetta, E. Ogliari	<i>Suitable PV forecasting for optimal inverter choice</i>	Italy
REC0266	M. Bitetti, A. Boccitto, A. Cervone, E. Santini, S. Teodori, D. Zaccagnini-Romito	<i>Financial analysis of renewable energy projects in italy in 2013</i>	Italy
REV0010	V. Vodovozov, N. Lillo, Z. Raud	<i>Single-phase electric drive for automotive applications</i>	Estonia

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REV0045	M. C. Falvo, D. Sbordone, I. S. Bayram, M. Devetsikiotis	<i>EV Charging Stations and Modes: International Standards</i>	Italy
REV0050	S. Günther, S. Ulbrich, W. Hofmann	<i>Driving cycle-based design optimization of interior permanent magnet synchronous motor drives for electric vehicle application</i>	Germany
REV0150	A. V. Brazhnikov, N. N. Dovzhenko, A. N. Minkin, O. V. Pomolotova, A. I. Litvinenko, V. A. Shilova	<i>Multiphase hybrid traction drives for electrical vehicles</i>	Russia
REV0151	E. Biagi, L. Di Piro, M. Schipani, R. Serventi, P. D'Abramo, L. Fanucci	<i>Universal output stage with reverse polarity protection for automotive applications</i>	Italy
REV0183	C. Sourkounis, N. Becker	<i>Concepts for an integration of quick charging stations in weak power grids</i>	Germany
REV0235	M. Longo, M. C. Roscia	<i>Sustainable transportation application for smart mobility</i>	Italy
REV0246	C. Blága, E. Kovács	<i>Some myths and FACTS of electric road vehicles</i>	Hungary
REV0250	A. Wangsupphaphol	<i>Acceleration-based design auxiliary power source for electric vehicle applications</i>	Malaysia

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SGI0066	T. Schröter, D. Schulz	<i>Power management on aircraft – flight phase dependent electrical network design under limited resources</i>	Germany
SGI0070	E. Ortjohann, S. Leksawat, A. Schmelter, P. Wirasanti, D. Holtschulte, D. Morton	<i>Integration of clustering power systems approach and data management infrastructure for smart grids</i>	Germany United Kingdom
SGI0097	Wang Yifei, Liu Dichen, Liao Qingfen, Tang Fei, Yang Jian	<i>An Islanding Surface Searching Approach Based on the Shortest Electrical Distance</i>	China
SGI0117	U. Grasselli, R. Lamedica, A. Ruvio, D. Novati	<i>Management policies for residential and tertiary users: a measurement campaign</i>	Italy
SGI0120	C. Bingcheng, L. Dichen, L. Qingfen, D. Feifei, Y. Yang	<i>Research of control strategy of svc on subsynchronous oscillation suppression</i>	China
SGI0154	H. M. El Deeb, A. Massoud, A. Elserougi, S. Ahmed, A. S. Abdel-Khalik	<i>Performance assessment of single and dual loops discrete pr controllers with lcl filter for inverter-based distributed generation</i>	Qatar Egypt
SGI0162	R. Laia, H. Pousinho, R. Melício, V. Mendes, M. Collares-Pereira	<i>Spinning reserve and emission unit commitment through stochastic optimization</i>	Portugal
SGI0163	R. Pereira, R. Melício, V. Mendes, A. Fagundes, J. Figueiredo, J. Martins, J. Quadrado	<i>Fuzzy clustering applied to a demand response model in a smart grid contingency scenario</i>	Portugal

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SGI0171	D. Menniti, N. Sorrentino, A. Pinnarelli, A. Burgio, G. Brusco, G. Belli	<i>In the future smart cities: coordination of micro smart grids in a virtual energy district</i>	Italy
SGI0201	M. G. Ippolito, G. Zizzo, A. Piccolo, P. Siano	<i>Definition and application of innovative control logics for residential energy optimization</i>	Italy
SGI0202	E. Riva-Sanseverino, M. L. Di Silvestre, R. Gallea, G. Graditi, G. Zizzo	<i>Managing electrical energy storage systems and shiftable loads with an innovative approach in energy districts</i>	Italy
SGI0207	M. C. Falvo, G. Graditi, P. Siano	<i>Electric vehicles integration in demand response programs</i>	Italy
SGI0248	F. Bonanno, G. Capizzi, C. Napoli, G. Lo Sciuto, G. Pappalardo, A. E. Tramontana	<i>A novel cloud-distributed toolbox for optimal energy dispatch management from renewable in igss by using wrnn predictors and gpu parallel solutions</i>	Italy
SGI0289	C. Pisani, D. Lauria	<i>Anti-islanding scheme for synchronous DG units based upon estimation method with hilbert transform</i>	Italy
SGI0290	C. Pisani, D. Villacci	<i>An integrated approach to improve the network security in presence of high penetration of res</i>	Italy
SMA0108	A. Maqsood, K. A. Corzine	<i>The Z-source breaker for fault protection in ship power systems</i>	United States

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SMA0271	M. Altosole, M. Figari, V. Giuffra, C. Ferrero, L. Piva	<i>Propulsion retrofitting of the tall ship amerigo vespucci: automation design by simulation</i>	Italy
SMA0273	M. Baret, C. Ferrero, D. Giulivo, A. Vicenzutti, D. Bosich, G. Sulligoi, M. Giuliano, L. Piva	<i>Amerigo vespucci: retrofitting of propulsion and generation systems on the italian training\'s tall ship</i>	Italy
SMA0276	C. Cavallaro, M. Cacciato, G. Scarcella, G. Scelba, A. Testa, S. De Caro, D. Bazzano	<i>Active ship roll stabilization via efficient PMSM actuators</i>	Italy