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<b>OFF-LINE AUTO-TUNING OF A MICROCONTROLLER-BASED PMSM SERVO DRIVE .....</b>	<b>1617</b>
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<b>ONLINE-IDENTIFICATION OF THE INDUCTION MACHINE PARAMETERS USING THE EXTENDED KALMAN FILTER .....</b>	<b>1623</b>
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<b>PARTIAL NON-ZERO FAULT RESPONSE OF GRID-CONNECTED DFIG .....</b>	<b>1630</b>
<i>G. Pannell ; S. Gadoue ; B. Zahawi ; D. J. Atkinson</i>	
<b>PERFORMANCE OF THE INTERMITTENT CONTROL FOR SWITCHED RELUCTANCE MACHINE ON DRIVING CYCLE .....</b>	<b>1636</b>
<i>D.M. Nguyen ; I. Bahri ; G. Krebs ; C. Marchand</i>	
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<b>POSITION SENSORLESS CONTROL OF SYNCHRONOUS RELUCTANCE MACHINES BASED ON MAGNETIC SATURATION DEPENDING ON CURRENT PHASE ANGLES .....</b>	<b>1650</b>
<i>Tetsuya Kojima ; Toshiki Suzuki ; Moriyuki Hazeyama ; Shinsuke Kayano</i>	
<b>POWER PERTURBATION BASED VIRTUAL SIGNAL INJECTION CONTROL OF MTPA FOR IPMSM DRIVE SYSTEM .....</b>	<b>1657</b>
<i>J. Wang ; X. Y. Huang ; Y. T. Fang ; F. Niu ; L. J. Wu</i>	
<b>PREDICTIVE CURRENT CONTROL VS. PI CONTROL FOR SURFACE MOUNTED PERMANENT MAGNET MACHINES .....</b>	<b>1663</b>
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<b>RESONANCE TUNING IN LINEAR ALTERNATOR DRIVES VIA DIRECT-CURRENT AMPLITUDE MODULATION.....</b>	<b>1670</b>
<i>M. F. Iacchetti ; Min Zhang ; R. Shuttleworth</i>	
<b>ROBUST POSITION SENSORLESS CONTROL AGAINST INDUCTANCE VARIATIONS OF SYNCHRONOUS RELUCTANCE MOTORS IN LOW-SPEED REGION USING HIGH-FREQUENCY CURRENT CONTROL .....</b>	<b>1677</b>
<i>Takato Hatanaka ; Toshiya Mabuchi ; Mutuwo Tomita ; Masaru Hasegawa ; Shinji Doki ; Shinji Kato</i>	

<b>SPACE VECTOR CONTROL OF ASYMMETRICAL SINGLE-PHASE INDUCTION MOTORS .....</b>	<b>1684</b>
<i>J.M. Aller ; J.C. Viola ; J.A. Restrepo ; M. Fajardo ; A. Ginart ; J.W. Rengifo ; J. D. Loja ; J. D. Ochoa</i>	
<b>STUDY AND DESIGN OF A SMALL-DIAMETER TUBULAR LINEAR MOTOR FOR BIOMEDICAL APPLICATIONS.....</b>	<b>1691</b>
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<b>TEST SETUP WITH A PERMANENT MAGNET SYNCHRONOUS MACHINE FOR EFFICIENCY MAPS OF AN ELECTRIC VEHICLE .....</b>	<b>1698</b>
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<b>TORQUE AND CURRENT RIPPLE REDUCTION IN PM GENERATOR BASED MULTI MODULAR - MULTI MW WECS WITH EXTENDED PWM INVERTER MODULATION.....</b>	<b>1704</b>
<i>Antonino Di Gerlando ; Khaled Eishawarby ; Giovanni Maria Foglia ; Roberto Perini</i>	
<b>TORQUE RIPPLE REDUCTION OF IPMSM WITH CONCENTRATED WINDING BASED ON ADAPTIVE IDENTIFICATION OF EQUIVALENT TORQUE COEFFICIENT .....</b>	<b>1711</b>
<i>H. Akatsuka ; M. Hasegawa</i>	
<b>TORQUE SHARING FUNCTION AND FIRING ANGLE CONTROL OF SWITCHED RELUCTANCE MACHINES - HYSTERESIS CURRENT CONTROL VERSUS PWM .....</b>	<b>1717</b>
<i>W. Peng ; J. Pelletier ; Y. Mollet ; J. Gyselinck</i>	
<b>UNCONTROLLED GENERATOR FAULT PROTECTION OF NOVEL HYBRID-EXCITED PERMANENT MAGNET MACHINES UTILIZING FIELD EXCITATION CURRENT CONTROL.....</b>	<b>1724</b>
<i>Z. Q. Zhu ; N. Pothi ; P. L. Xu ; Y. Ren</i>	
<b>VOLTAGE CONTROL OF A SWITCHED RELUCTANCE GENERATOR USING DISCRETE SLIDING MODE TECHNIQUE.....</b>	<b>1731</b>
<i>Haris Ackar ; Senad Huseinbegovic ; Šemsudin Mašić ; Senad Smaka ; Anel Tahirbegovic</i>	
<b>WAVELET-FOURIER ANALYSIS OF AUDIBLE SIGNALS TO CHARACTERIZE THE VIBRATIONS IN LSRA .....</b>	<b>1738</b>
<i>José A. Salvado ; Maria R. Calado ; António E. Santo</i>	

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<b>ACCURATE FAULT DIAGNOSIS AND CLASSIFICATION SCHEME BASED ON NON-PARAMETRIC, STATISTICAL-FREQUENCY FEATURES AND NEURAL NETWORKS .....</b>	<b>1747</b>
<i>R. R. Kumar ; G. Cirrincione ; M. Cirrincione ; M. Andriollo ; A. Tortella</i>	
<b>AN AUTOMATIC METHOD FOR CONDITION MONITORING OF INVERTER FED INDUCTION MOTORS .....</b>	<b>1754</b>
<i>G. Georgoulas ; L. Frosini ; I. P. Tsoumas ; T.H. Loutas ; A. Albini</i>	
<b>APPLICATION OF NAIVE BAYES CLASSIFIER THEOREM IN DETECTING INDUCTION MOTOR BEARING FAILURE .....</b>	<b>1761</b>
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<b>BEARING FAULT DETECTION FOR RAILWAY TRACTION MOTORS THROUGH LEAKAGE CURRENT .....</b>	<b>1768</b>
<i>Yo Sakaïdani ; Minoru Kondo</i>	
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<i>D.V. Spyropoulos ; E.D. Mitronikas ; E.S. Dermatas</i>	
<b>DAMPER WINDING FAULT ANALYSIS IN SYNCHRONOUS MACHINES.....</b>	<b>1789</b>
<i>Subrat Sahoo ; Fredrik Holmgren ; Pedro Rodriguez ; Jose Perez ; Urban Lundin</i>	
<b>DETECTION OF BAR BREAKAGES IN INDUCTION MOTOR VIA SPECTRAL SUBTRACTION OF STRAY FLUX SIGNALS.....</b>	<b>1796</b>
<i>Miguel E. Iglesias-Martínez ; Pedro Fernández De Córdoba ; Jose A. Antonino-Daviu ; J. Alberto Conejero</i>	
<b>DETECTION OF BROKEN ROTOR BARS FAULTS IN INVERTER-FED INDUCTION MOTORS.....</b>	<b>1803</b>
<i>W. F. Godoy ; I. N. Da Silva ; A. Goedel ; R. H. C. Palácios ; P. Scalassara ; D. Moriñigo-Sotelo ; O. Duque-Perez</i>	
<b>DETECTION OF ROTOR MAGNET DEMAGNETIZATION IN ASYMMETRICAL SIX-PHASE SURFACE MOUNTED PERMANENT MAGNET SYNCHRONOUS MOTOR DRIVE.....</b>	<b>1809</b>
<i>Y. Gritli ; A. Tani ; C. Rossi ; D. Casadei</i>	

<b>DETECTION OF SHORT CIRCUITS IN THE ROTOR FIELD WINDING IN LARGE HYDRO GENERATOR .....</b>	<b>1815</b>
<i>Olivier Kokoko ; Arezki Merkhof ; Abdelmounaim Tounzi ; Mounir Essalhi ; Eilin Guillot ; Bachir Kedjar ; Kamal Al Haddad</i>	
<b>DIODE OPEN-CIRCUIT FAULT DETECTION IN RECTIFIER BRIDGE OF THE BRUSHLESS SYNCHRONOUS GENERATOR.....</b>	<b>1821</b>
<i>M. Rahnama ; A. Vahedi ; A. M. Alikhani ; N. Takorabet</i>	
<b>EFFECTS OF DEMAGNETIZATION ON TORQUE RIPPLES IN PERMANENT MAGNET SYNCHRONOUS MACHINES WITH MANUFACTURING TOLERANCES .....</b>	<b>1827</b>
<i>Sergio Zarate ; Gaizka Almandoz ; Gaizka Ugalde ; Javier Poza ; Ana Julia Escalada</i>	
<b>ELECTRIC MOTORS CONDITION MONITORING USING CURRENTS AND VIBRATIONS ANALYSES.....</b>	<b>1834</b>
<i>P. Popaleny ; J. Antonino-Daviu</i>	
<b>EMBEDDED SYSTEM TO DETECT BEARING FAULTS IN LINE-CONNECTED INDUCTION MOTORS .....</b>	<b>1841</b>
<i>Wylliam Salviano Gongora ; Alessandro Goedel ; Marcelo Favoretto Castoldi ; Sérgio Augusto Oliveira Da Silva ; Ivan Nunes Da Silva</i>	
<b>ESTIMATION OF THE BATTERY HEALTH BY MONITORING THE ELECTRIC MOTOR DRIVE PERFORMANCE IN A BUILDING APPLICATION .....</b>	<b>1848</b>
<i>Evangelos Tsioumas ; Nikolas Jabbour ; Christos Mademlis</i>	
<b>EVALUATION OF THE DETECTABILITY OF BEARING FAULTS AT DIFFERENT LOAD LEVELS THROUGH THE ANALYSIS OF STATOR CURRENTS .....</b>	<b>1855</b>
<i>E. Martinez-Montes ; L. Jiménez-Chillarón ; J. Gilabert-Marzal ; J. Antonino-Daviu ; A. Quijano-López</i>	
<b>FEM STUDY OF INDUCTION MACHINES SUFFERING FROM ROTOR ELECTRICAL FAULTS USING STRAY FLUX SIGNATURE ANALYSIS .....</b>	<b>1861</b>
<i>P.A. Panagiotou ; I. Arvanitakis ; N. Lophitis ; K.N. Gyftakis</i>	
<b>INFLUENCE OF SINGLE OR MULTIPLE FAULTS SHORT-CIRCUIT, BROKEN ROTOR BAR AND ECCENTRICITY ON THE TORQUE AND ROTOR FORCE IN INDUCTION MOTORS.....</b>	<b>1868</b>
<i>V. Fireteanu ; A.I. Constantin ; M. Popa</i>	
<b>LARGE SALIENT POLE SYNCHRONOUS MACHINES FIELD WINDINGS DIAGNOSIS BY FREQUENCY RESPONSE .....</b>	<b>1875</b>
<i>A. Mugarra ; C.A. Platero ; J.A. Martínez ; U. Albizuri-Txurrka</i>	
<b>COMPARISON OF EXPERIMENTAL METHODS FOR ELECTROMAGNETIC CHARACTERIZATION OF SWITCHED RELUCTANCE MOTORS .....</b>	<b>1881</b>
<i>Mladen V. Terzic ; Haoding Li ; Berker Bilgin ; Ali Emadi</i>	
<b>MICRO ZERO PADDING FOR THE REDUCTION OF SPECTRAL LEAKAGE IN THE DIAGNOSIS OF ROTOR ASYMMETRIES FAULTS IN LARGE INDUCTION .....</b>	<b>1889</b>
<i>R. Puche-Panadero ; J. Burriel-Valencia ; J. Martinez-Roman ; A. Sapena-Bano ; M. Pineda-Sanchez ; J. Perez-Cruz ; M. Riera-Guasp</i>	
<b>MOTOR INSULATION AGING DIAGNOSIS WITH PRE-INSTALLED CURRENT SENSORS FOR INVERTER CONTROL.....</b>	<b>1894</b>
<i>T. Kato ; M. Nagata ; K. Maki ; H. Kojima ; K. Souma ; Y. Iwaji</i>	
<b>MULTIPLE FAULT DIAGNOSIS OF ELECTRIC POWERTRAINS UNDER VARIABLE SPEEDS USING CONVOLUTIONAL NEURAL NETWORKS.....</b>	<b>1900</b>
<i>Jagath Sri Lal Senanayaka ; Huynh Van Khang ; Kjell G. Robbersmyr</i>	
<b>NEW DIFFERENTIAL PROTECTION FOR VARIABLE SPEED DOUBLY FED INDUCTION MACHINES .....</b>	<b>1906</b>
<i>M. E. Zarei ; C. A. Platero ; C. Veganzones ; J. R. Arribas</i>	
<b>NOVEL THRESHOLD CALCULATIONS FOR REMAINING USEFUL LIFETIME ESTIMATION OF ROLLING ELEMENT BEARINGS .....</b>	<b>1912</b>
<i>Andreas Klausen ; Huynh Van Khang ; Kjell G. Robbersmyr</i>	
<b>OFF-LINE DETECTION OF STATIC ECCENTRICITY IN SALIENT-POLE SYNCHRONOUS MACHINES .....</b>	<b>1919</b>
<i>K. N. Gyftakis ; C. A. Platero ; S. Bernal</i>	
<b>ON-LINE STATOR FAULT DIAGNOSIS IN LINE-START PERMANENT MAGNET SYNCHRONOUS MOTORS.....</b>	<b>1925</b>
<i>D. S. B. Fonseca ; Carlos M. C. Santos ; Antonio J. Marques Cardoso</i>	
<b>ONLINE FAULT DIAGNOSIS SYSTEM FOR ELECTRIC POWERTRAINS USING ADVANCED SIGNAL PROCESSING AND MACHINE LEARNING .....</b>	<b>1932</b>
<i>Jagath Sri Lal Senanayaka ; Huynh Van Khang ; Kjell G. Robbersmyr</i>	



<b>ORBITAL ECCENTRICITY AND UNBALANCED MAGNETIC PULL IN SALIENT POLE SYNCHRONOUS MACHINES .....</b>	<b>1939</b>
<i>J. Johnny Rocha ; Paulo V.V. Da Silva ; Edson C. Bortoni</i>	
<b>SIMULTANEOUS STATOR WINDING AND PERMANENT MAGNET TEMPERATURE ESTIMATION FOR PERMANENT MAGNET SYNCHRONOUS MACHINES .....</b>	<b>1945</b>
<i>Guodong Feng ; Chunyan Lai ; Wenlong Li ; Michael Kelly ; Narayan C. Kar</i>	
<b>STUDY OF THE DEMAGNETIZATION FAULT IN AN AFPM MACHINE IN RELATION WITH THE MAGNET LOCATION .....</b>	<b>1952</b>
<i>A. C. Barmpatza ; J. C. Kappatou</i>	
<b>USING THE GOERTZEL ALGORITHM OVER DISJOINT NARROW FREQUENCY BANDS FOR FAULT DIAGNOSIS OF INDUCTION MOTORS .....</b>	<b>1965</b>
<i>A. Sapena-Bano ; Ž. Kanovic ; J. Burriel-Valencia ; J. Martinez-Roman ; J. Perez-Cruz ; R. Puche-Panadero ; M. Riera-Guasp ; M. Pineda-Sanchez</i>	
<b>VOLD-KALMAN FILTERING ORDER TRACKING BASED ROTOR FLUX LINKAGE MONITORING IN PMSM .....</b>	<b>1972</b>
<i>Min Zhu ; Wensong Hu ; Guodong Feng ; Narayan C Kar</i>	
<b>WEB BASED REMOTE AND LOCALLY OPERATED ALL IN ONE ELECTRICAL MACHINE LABORATORY WITH DATA ACQUISITION, FAULT DIAGNOSIS AND PROTECTION .....</b>	<b>1979</b>
<i>R. T. Ugale ; S. N. Gore ; B. N. Chaudhari</i>	

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<b>1.2 MW, 2-6KRPM BLDC-MRM TRACTION DRIVE: PRELIMINARY DESIGN WITH KEY FEM INQUIRIES .....</b>	<b>1989</b>
<i>Lucian Nicolae Tutelea ; Ileana Torac ; Gaspere Giovinco ; Fabrizio Marignetti ; Ion Boldea</i>	
<b>3D FINITE ELEMENT ANALYSIS OF ECCENTRICITY IN A TUBULAR LINEAR PERMANENT MAGNET MACHINE .....</b>	<b>1996</b>
<i>Doudou Sarr Lo ; Habibou Lawali Ali ; Yacine Amara ; Georges Barakat ; Ferhat Chabour</i>	
<b>A NEW CONFIGURATION OF A CONSEQUENT POLE LINEAR VERNIER HYBRID MACHINE WITH V-SHAPE MAGNETS .....</b>	<b>2002</b>
<i>A A. Almoraya ; N. J. Baker ; K.J. Smith ; M.A.H. Raihan</i>	
<b>A NOVEL STRUCTURE OF DOUBLY SALIENT PERMANENT MAGNET MACHINE .....</b>	<b>2009</b>
<i>Liu Zhang ; L.J. Wu ; Xiaoyan Huang ; Youtong Fang</i>	
<b>A REVIEW OF THE VOLUMETRIC TORQUE DENSITY OF ROTARY MAGNETIC GEAR DESIGNS .....</b>	<b>2016</b>
<i>Kang Li ; Jonathan Z. Bird</i>	
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