


**Program of the IC3E'2018**

**Monday, November 12, 2018**

08:00-10:00	<b>Registration &amp; Opening</b>		
10:00-11:00	<b>Plenary 1: Passivity Based Control of hybrid Electrical Vehicle</b> Dr. Mohamed BECHERIF, University of Technology of Belfort-Montbéliard, France <b>Chair:</b> Prof. Samir BENSALD, University of Bouira; Dr. Mouloud AYAD University of Bouira		
11:00-11:30	Coffee Break + <b>Poster Session I; Chairs :</b> Dr. Kamel SAOUDI; Dr. Ahmed MOHAMMEDI; Dr. Abdennour ALIMOHAD <b>ID-025; ID-039; ID-063; ID-064; ID-075; ID-078; ID-082; ID-105; ID-109; ID-115; ID-142; ID-153; ID-154</b>		
11:30-13:00	<b>Oral Sessions I</b>		
	<b>Room 1: Renewable Energy, Electrical machines &amp; power systems</b> <b>Chairs:</b> Dr. Hamza HOUASSINE; Dr. Mohamed REZKI	<b>Room 2: Identification, Control Systems &amp; Diagnostic of electrical systems.</b> <b>Chairs:</b> Prof. Samir BENSALD; Dr. Nouredine HENINI	<b>Room 3: Telecommunications &amp; Signal processing</b> <b>Chairs:</b> Dr. Mouloud AYAD; Dr. Mourad NOURINE
11:30-11:45	<b>ID-155</b> Circulating Current Control in MMC using Reduced Order Generalized Integrator. Atoui Elmoatez Billah ATOUI, Tarek MESBAH and Hamza ATOUI	<b>ID-061</b> Contribution to study of the dependability of hydraulic system. Djamila BOUMELITA, Nasr Eddine DEBBACHE and Lahbassi OUERDACHI	<b>ID-099</b> Real-Time Chaos Control For Chua Uncertain Chaotic System. Abdelilah CHIBANI, Bachir DAAOU, Abdelmadjid GOUICHICHE, Ahmed SAFA and Youcef MESSLEM
11:45-12:00	<b>ID-138</b> Sensorless Speed and Stator Flux Estimation of Permanent Magnet Synchronous Motor drives using dSPACE DS 1104. Abderrezak AIBECHHE, Aimad BOUDOUDA, Hamza AKROUM and Madjid KIDOUICHE	<b>ID-072</b> Online Selection of Weighting Factor in Model Predictive Direct Torque Control of PMSM Using Fuzzy Adjustment Process. Islam BENHAMIDA, Ameur AISSA, Kouzi Katia and Sayaf HOCINE	<b>ID-055</b> Size, Gain and Bandwidth for Microstrip Antenna By Using Optimization. Djaouida BELMESSAOU and Djamel CHICOUCHE
12:00-12:15	<b>ID-065</b> The Effect of Temperature on the Electromagnetic Shielding Effectiveness. Tahar MERIZGUI, Abdechafik HADJADJ, Mecheri KIOUS and Bachir GAOU	<b>ID-129</b> ANN Based Fault Diagnosis of Stator Winding Short Circuit in PMSM. Mounir HADEF, Djaber ZAROURE and Amine BOUCHERIT	<b>ID-077</b> A Robust Hybrid Digital Image Watermarking Technique Based on DWT, DCT and SVD. M. SAHIR, N. AMARDJIA and F. BELILITA
12:15-12:30	<b>ID-116</b> A unified State -Observer for Sensorless Control of PMSM Drives Based in "Active Flux" Concept. Fayza BOUSSEKRA and Abdessalam MAKOUF	<b>ID-088</b> Sensor Fault Detection and Isolation Based on the Reconstruction Approach. Abdelghani DJEDDI, Mohamed Faouzi HARKAT and Youcef SOUFI	<b>ID-090</b> Antenna Miniaturization using Combinations of First Order Hexagonal Fractal Shaped Rings. Kahina DJAFRI, M. CHALLAL, M. DEHMAS, F. MOUHOUCHE and R. AKSAS
12:30-12:45	<b>ID-126</b> Direct Torque Control using Space Vector Modulation of DSIM with Fuzzy Logic Controller. Mourad SELLAH, Mohamed Mounir REZZAOUI, Abdellah KOUZOU, Mokhtar AMER and Mohamed BOUKHALFA	<b>ID-052</b> Non-linear speed control of multi-phase induction machine fed by two cascaded H-bridge multi-level inverter. Elyazid ZAIDI, Khoudir MAROUANI, H. BOUADI, L. BENTOUHAMI and A. MABREK	<b>ID-095</b> Implementation of the Radix-4 FFT on Highly Performing Parallel Architectures. Fairouz BELILITA and Nouredine AMARDJIA
12:45-13:00	<b>ID-108</b> Skin Effect Modelling in Induction Motors Rotor Deep Bars. Zakari MADDI, Abdoune KADOUR and Djamel AOUZELLAG	<b>ID-162</b> Stator Winding Short Circuit Fault Detection in PMSM via Rectangle Shapes. Mounir HADEF, A. DJERDIR, M. R. MEKIDECHE and A. O. N'DIYAE	<b>ID-096</b> Miniaturized multi-band shorted antenna for wireless communication applications. K. DJAFRI, M. CHALLAL, M. DEHMAS, F. MOUHOUCHE
13:30-14:30	<b>Lunch</b>		

Oral Sessions II			
	<b>Room 1:</b> <b>Renewable Energy, Electrical machines &amp; power systems</b> <b>Chairs:</b> Dr. Noureddine HENINI; Dr. Kamel SAOUDI	<b>Room 2:</b> <b>Identification, Control Systems &amp; Diagnostic of electrical systems</b> <b>Chairs:</b> Prof. Samir BENSaid; Dr. Hamza HOUASSINE	<b>Room 3:</b> <b>Telecommunications &amp; Signal processing</b> <b>Chairs:;</b> Dr. Mourad NOURINE; Dr. Abdennour ALIMOHAD
14:45-15:00	<b>ID-157</b> Square Roots Hilbert Envelopes of Current Stator for Enabling the Diagnosis Broken Rotor Bars in Induction Motor at Low Slip. Hamid KHELFI and Samir HAMDANI	<b>ID-152</b> PID controller compared with Dynamic Matrix Control applied on disturbed complex system. Ammar RAMDANI and M. TRAÏCHE	<b>ID-060</b> A Fusion Procedure between MUSIC and LS for Forest Height Estimation in a Multi-baseline SAR application. Hichem MAHGOUN, Mounira OUARZEDDINE and Nour El-Houda CHAFFA
15:00-15:15	<b>ID-111</b> Novel Synergetic MPPT Controller For Stand-alone Photovoltaic Systems. Rahma AYAT and Abdelouahab BOUAFIA	<b>ID-097</b> Improve the electric and dielectric properties of PVC doped with Al <sub>2</sub> O <sub>3</sub> -ZnO. Lakhdar MADANI and Amine BERRAG	<b>ID-100</b> Forensic Voice Comparison with Cross-language Speakers using ALIZE/LIA_RAL toolkit. Yazid KAHIL, Kawthar Yasmine ZERGAT and Abderrahmane AMROUCHE
15:15-15:30	<b>ID-148</b> On the Lyapunov based nonlinear control approach of a multi-phase permanent magnet synchronous machine. Khalil Errahmane SARI, Bilal SARI and Seif Eddine CHOUABA	<b>ID-151</b> Radial Basis Function Neural Network-Based Robust Control For Induction Motors. Hamou AIT ABBAS, Abdellatif SEGHIOR, Kouceila IFFOUZAR and Mohammed BELKHEIRI	<b>ID-124</b> Forensic Automatic Speaker Recognition under Noisy Environments. Salim DJEGHIOR, Nassim ASBAI, Ouassila KENAI and Mhania GUERTI
15:30-15:45	<b>ID-165</b> Improvement of the Energy Quality Produced by a DFIG Controlled by a Matrix Converter. Mustapha SABOUR, Bachir GHALEM and Noureddine HENINI	<b>ID-079</b> A Modified Elman Network with Memory Units for System Identification. Samir LADJOUZI, Said GROUNI and Youcef SOUFI	<b>ID-083</b> Hybrid WIND/PV-Battery Pumping System based on Grasshopper Algorithm. Fethia HAMIDIA, Amel ABBADI, A. MOUALDIA, A. MORSLI and MS. BOUCHERIT
15:45-16:00	<b>ID-137</b> Current Sensorless PV MPPT Controller. Abdelghani HARRAG and Yacine DAILI	<b>ID-136</b> Small Signal model of Distributed Generator unit Based On Virtual Synchronous Generator Control Scheme. Yacine DAILI and Abdelghani HARRAG	<b>ID-164</b> Study of muscle fatigue through continuous wavelet processing: A survey. Mohamed REZKI, Mouloud AYAD, Issam GRICHE and Mourad BENZIANE
16:00-16:30	Coffee Break + <b>Poster Session II; Chairs :</b> Dr. Amir BENZAOU, Dr. Ahmed MOHAMMEDI <b>ID-019; ID-024; ID-038; ID-070; ID-074; ID-086; ID-089; ID-103; ID-118; ID-123; ID-132; ID-140; ID-167</b>		

<b>Tuesday, November 13, 2018</b>	
08:30-10:00	<b>Registration</b>
10:00-11:00	<b>Plenary 2: Diagnostic of Conductive Reinforced Composite Materials Using Eddy Currents</b> Prof. Samir BENSaid, University of Bouira, Algeria <b>Chair:</b> Dr. Nouredine HENINI University of Média, Algeria; Dr. Hamza HOUASSINE University of Bouira, Algeria
11:00-11:30	Coffee Break + <b>Poster Session III</b> ; <b>Chairs :</b> Dr. Kamel SAOUDI; Dr. Mohamed REZKI <b>ID-001; ID-028; ID-068; ID-114; ID-121; ID-133; ID-141; ID-156; ID-163; ID-168; ID-169</b>
11:45-13:15	<b>Oral Sessions III</b>
	<b>Room 1:</b> <b>Renewable Energy, Electrical machines &amp; power systems</b> <b>Identification, Control Systems &amp; Diagnostic of electrical systems</b> <b>Chairs:</b> Dr. Hamza HOUASSINE Dr. Nouredine HENINI;
11:45-12:00	<b>ID-130</b> Characterization of Sludges Deposits In Algerian Insulating Oil Transformer. Leila SAFIDDINE OUMERT, Ahmed BOUCHERIT and Amel Hadj-Ziane ZAFOUR
12:00-12:15	<b>ID-023</b> Design of a Controller Linear PID for the Wheels Slip Rate of System ABS. Sadjia LATRECHE and Said BENAGGOUNE
12:15-12:30	<b>ID-076</b> MRAS speed observer for sensorless adaptive intelligent backstepping controller of induction machines. Salim ISSAOUNI, Abdesselem BOULKROUNE and Hachemi CHEKIREB
12:30-12:45	<b>ID-144</b> Optimum Tuning of the Fractional PID Controller for Unstable System Using Artificial Intelligence Techniques. Abdelhakim IDIR, Khatir KHETTAB and Yassine BENSALFIA
12:45-13:00	<b>ID-098</b> The effect of Fe <sub>2</sub> O <sub>3</sub> content on the microstructure and electrical properties of (Bi <sub>2</sub> O <sub>3</sub> , Sb <sub>2</sub> O <sub>3</sub> )-ZnO varistor. Faïçal KHARCHOUCHE and Amine BERRAG
13:00-13:15	<b>ID-051</b> A New Encryption System Applied to Digital Grayscale image. Lamiche CHAABANE
13:15-13:30	<b>ID-027</b> Sympathetic Inrush Current Mitigation by a Circuit Breaker Control Technique. Abdelghani YAHIOU, Abdelhafid BAYADI, Badreddine BABES
13:30-14:00	<b>Lunch</b>

Poster Session I	Poster Session II	Poster Session III
<b>ID-025</b> Optimization of an Annular MHD pump by Simulated Annealing Method. Khadidja BOUALI et al.	<b>ID-019</b> A SAR Interferrogram denosing by an adaptative wavelet thresholding. A. Mekhmoukh and S. Chelbi	<b>ID-028</b> Performance study of 4G mobile networks: a case study in Bouira. Mouloud AYAD et al.
<b>ID-039</b> Backstepping Control Based on SVM of Induction Motor with an Open-End Stator Winding Taking Account the Stator Faults. Saad KHADAR and Abdellah KOUZOU	<b>ID-024</b> Choice of the coupling of the stator winding of the induction motor, the independent cooling module and the adjustment of the converter to the design of the adjustable electric actuator. B. BOUKHALFA et al.	<b>ID-068</b> Comparative Study between Backstepping Control and Sliding Mode Control for Double Star Induction Machine (DSIM). N. LAYADI et al.
<b>ID-063</b> Design and Experimental set-up of PV Emulator Based on Microcontroller. A. GOUICHICHE et al.	<b>ID-038</b> Performance Analysis of Five-Phase Induction Machine with Unbalanced Parameters. Lyes KHALDI et al.	<b>ID-114</b> Measurement of microlens diameters by Image Pro-Plus (IPP) software. Nadjiba BOULAICHE et al.
<b>ID-064</b> Modelling and Detection of Broken Bar Fault Using Fast Fourier Transform and Time-Frequency in Induction Motor. WISSAM DEHINA, M. BOUMEHRAZ and F. KRATZ	<b>ID-070</b> Stator Current Demodulation Using Teager-Kaiser Energy Operator for Inverter-Fed Induction Motor at Low Load Conditions. Hamid KHELFI et al.	<b>ID-121</b> Detection Performance Analysis for Correlated Compound-Gaussian Clutter with Log-Normal Texture Distribution. Izzeddine CHALABI and A. MEZACHE
<b>ID-075</b> Direct vector control based on four-level FSVM of a DFIG for wind energy conversion. Habib BENBOUHENNI, Zinelaabidine BOUDJEMA and Abdelkader BELAIDI	<b>ID-074</b> Multi-objective optimization of Mamdani fuzzy rule based system with rule minimization. M. A. KACIMI and O. Guenounou	<b>ID-133</b> Control of grid connected PV system acting as shunt active power filter. Brahim Elkhailil et al.
<b>ID-078</b> Randomized PWM for DC-DC converter operating in continuous and discontinuous conduction mode. A. Boudouda et al.	<b>ID-086</b> Control of Hydraulic Cylinder Based on fractional PID Controller Optimized by GOA. B. BOUROUBA and S. LADACI	<b>ID-141</b> Adaptive fuzzy control of mobile robot. Medjoubi Halima et al.
<b>ID-082</b> Smart Energy Management System Applied to microgrid using echo state networks-gray wolf optimizer hybrid adaptive algorithm. I. ABADLIA, M. ADJABI and H. Bouzeria	<b>ID-089</b> Auto-Encoder with Neural Networks for Wind Speed Forecasting. Hatem MEZAACHE and Hassen BOUZGOU	<b>ID-156</b> Estimation of daily vertical solar irradiation using meteorological data. Mourad BENZIANE et al.
<b>ID-105</b> Electrical and Mechanical Behavior Study of a Cascaded Doubly Fed Induction Machine. F. LOUNAS, R. KACHENOURA, M. SI BRAHIM, S. HADDAD	<b>ID-103</b> Proposed costs function for speed Control of PMSM using Particle Swarm Optimization. Adel OUBELAID, Nabil TAIB, Toufik REKIOUA and Aicha ZOUAGUI	<b>ID-163</b> Identity Recognition based on Palmprints. Amir BENZAOU
<b>ID-109</b> Improving Direct Torque Control of Induction Motor Drive By The implementation of Sliding Mode Controller And a Stator Resistance Compensator. M. HORCH et al.	<b>ID-118</b> Minimization of reflection losses in the solar cell configuration with a photon conversion system. Mohammed AYAD and Mohamed FATHI	<b>ID-168</b> Instantaneous Power Control to Voltage Regulation in Power System tuned by Wind Turbine. Issam GRICHE et al.
<b>ID-115</b> Improving Waveform Quality in DTC SVM of DFIG using Fuzzy Logic Techniques. Mokhtar AMER et al.	<b>ID-123</b> High performance PMSM using mechanic speed and position sensor-less backstepping control with extended Kalman filter prediction. Abderrahmen KIRAD et al.	<b>ID-169</b> Finite Time Synergetic DC-DC Buck Converter Control. Ziyad Bouchama et al.
<b>ID-142</b> Reduction of Communication Delay Using a Virtual Method in HVDC Control System. Radia BOUMILEK et al.	<b>ID-132</b> Design and control of hybrid (photovoltaic/wind) water pumping system in Bejaia area. Sofia LALOUNI et al.	 <p>MEKHOUKH OMAR (TECHTACH)  ETUDE ET REALISATION  tout types de travaux d'électricités</p> <p>Sinal</p> <p>LABORATOIRE  PM3E  Procédés pour Matériaux, Energie, Eau et Environnement</p> <p>IEEE  Algeria Section</p>
<b>ID-153</b> Detection all types of Acoustics Microwaves In Piezoelectric Material (ZnO) By classification using Support Vector Machines (SVM). H. HAFDAOUI and D. BENATIA	<b>ID-140</b> An improved Maximum power point tracking using model fuzzy logic and predictive control for in photovoltaic system. N. Kacimi et al.	
<b>ID-154</b> Design of an optimal digital PID controller using Xilinx System Generator for the regulation of blood glucose level for diabetes. Aissa REBAI, Salah BENZIAN and Aissa AMEUR	<b>ID-167</b> Instantaneous Power Control Strategy Simulation of Grid-Connected Converter equipped by Medium Scale Wind Generation System. Issam GRICHE et al.	