## Program of the IC3E’2018

### Monday, November 12, 2018

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<tr>
<th>Time</th>
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<tr>
<td>08:00-10:00</td>
<td>Registration &amp; Opening</td>
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<tr>
<td>10:00-11:00</td>
<td>Plenary 1: Passivity Based Control of hybrid Electrical Vehicle</td>
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<td><strong>Chair</strong>: Prof. Samir BENSAID, University of Bouira; Dr. Mouloud AYAD University of Bouira</td>
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<tr>
<td>11:00-11:30</td>
<td>Coffee Break + Poster Session I</td>
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<tr>
<td>11:30-13:00</td>
<td>Oral Sessions I</td>
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### Oral Sessions I

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<tr>
<td>11:30-11:45</td>
<td>ID-155 Circulating Current Control in MMC using Reduced Order Generalized Integralator. Atoui Elmoatez Billah ATOUI, Tarek MESBAH and Hamza ATOUI</td>
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<tr>
<td>11:45-12:00</td>
<td>ID-138 Sensorless Speed and Stator Flux Estimation of Permanent Magnet Synchronous Motor drives using dSPACE DS 1104. Abderezak AIBECHE, Aiman BOUDOUDA, Hamza AKROUM and Madjid KIDOUCHE</td>
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<td>12:00-12:15</td>
<td>ID-065 The Effect of Temperature on the Electromagnetic Shielding Effectiveness. Tahar MERIZGUI, Abdechafik HADJADJ, Mecheri KIOUS and Bachir GAOUI</td>
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<td>12:15-12:30</td>
<td>ID-116 A unified State -Observer for Sensorless Control of PMSM Drives Based in &quot;Active Flux&quot; Concept. Fayza BOUSSEKRA and Abdessalam MAKOUF</td>
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<td>12:30-12:45</td>
<td>ID-126 Direct Torque Control using Space Vector Modulation of DSI with Fuzzy Logic Controller. Mourad SELLAH, Mohamed Mounir REZZAOUI, Abdellah KOUZOU, Mokhtar AMER and Mohamed BOUKHALFA</td>
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<td>12:45-13:00</td>
<td>ID-108 Skin Effect Modelling in Induction Motors Rotor Deep Bars. Zakari MADDI, Abdoune KADOUR and Djamal AOUZELLAG</td>
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<td>13:30-14:30</td>
<td>Lunch</td>
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<tr>
<td>Time</td>
<td>Room 1: Renewable Energy, Electrical machines &amp; power systems</td>
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<td>14:45-15:00</td>
<td><strong>ID-157</strong> 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</td>
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<td>15:00-15:15</td>
<td><strong>ID-111</strong> Novel Synergetic MPPT Controller For Stand-alone Photovoltaic Systems. Rahma AYAT and Abdelouahab BOUAFIA</td>
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<td>15:30-15:45</td>
<td><strong>ID-165</strong> Improvement of the Energy Quality Produced by a DFIG Controlled by a Matrix Converter. Mustapha SABOUR, Bachir GHALEM and Noureddine HENINI</td>
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<td>15:45-16:00</td>
<td><strong>ID-137</strong> Current Sensorless PV MPPT Controller. Abdelghani HARRAG and Yacine DAILI</td>
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16:00-16:30 Coffee Break + Poster Session II; Chairs: Dr. Amir BENZAoui, Dr. Ahmed MOHAMMEDI

**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**
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<td>10:00-11:00</td>
<td><strong>Plenary 2: Diagnostic of Conductive Reinforced Composite Materials Using Eddy Currents</strong>&lt;br&gt;Prof. Samir BENSAID, University of Bouira, Algeria&lt;br&gt;&lt;br&gt;<em>Chair:</em> Dr. Noureddine HENINI University of Média, Algeria; Dr. Hamza HOUASSINE University of Bouira, Algeria</td>
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<td>11:00-11:30</td>
<td>Coffee Break + <strong>Poster Session III</strong>; <em>Chairs:</em> Dr. Kamel SAOUDI; Dr. Mohamed REZKI&lt;br&gt;ID-001; ID-028; ID-068; ID-114; ID-121; ID-133; ID-141; ID-156; ID-163; ID-168; ID-169</td>
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<td>11:45-13:15</td>
<td><strong>Oral Sessions III</strong></td>
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<tr>
<td>11:45-12:00</td>
<td><strong>Room 1:</strong>&lt;br&gt;Renewable Energy, Electrical machines &amp; power systems, Identification, Control Systems &amp; Diagnostic of electrical systems&lt;br&gt;<em>Chairs:</em> Dr. Hamza HOUASSINE, Dr. Noureddine HENINI;</td>
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<td>11:45-12:00</td>
<td><strong>ID-130</strong> Characterization of Sludges Deposits In Algerian Insulating Oil Transformer.&lt;br&gt;Leila SAFIDDINE OUMERT, Ahmed BOUCHERIT and Amel Hadj-Ziane ZAFOUR</td>
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<td>12:00-12:15</td>
<td><strong>ID-023</strong> Design of a Controller Linear PID for the Wheels Slip Rate of System ABS.&lt;br&gt;Sadjia LATRECHE and Said BENAGGOUNE</td>
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<td>12:15-12:30</td>
<td><strong>ID-076</strong> MRAS speed observer for sensorless adaptive intelligent backstepping controller of induction machines.&lt;br&gt;Salim ISSAOUNI, Abdesselem BOULKROUNE and Hachemi CHEKIREB</td>
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<td>12:30-12:45</td>
<td><strong>ID-144</strong> Optimum Tuning of the Fractional PID Controller for Unstable System Using Artificial Intelligence Techniques.&lt;br&gt;Abdelhakim IDIR, Khatir KHETTAB and Yassine BENSAFIA</td>
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<td>12:45-13:00</td>
<td><strong>ID-098</strong> The effect of Fe2O3 content on the microstructure and electrical properties of (Bi2O3, Sb2O3)-ZnO varistor.&lt;br&gt;Faiçal KHARCHOUCHE and Amine BERRAG</td>
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<td>13:00-13:15</td>
<td><strong>ID-051</strong> A New Encryption System Applied to Digital Grayscale image. Lamiche CHAABANE</td>
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<td>13:15-13:30</td>
<td><strong>ID-027</strong> Sympathetic Inrush Current Mitigation by a Circuit Breaker Control Technique.&lt;br&gt;Abdelghani YAHIOU, Abdelhafid BAYADI, Badreddine BABES</td>
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<td>13:30-14:00</td>
<td><strong>Lunch</strong></td>
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*Note:* The above schedule is subject to change.
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<th>Poster Session I</th>
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<td>ID-039 Backstepping Control Based on SVM of Induction Motor with an Open-End Stator Winding Taking Account the Stator Faults. Saad KHADAR and Abdellah KOUZOU</td>
<td>ID-024 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.</td>
<td>ID-068 Comparative Study between Backstepping Control and Sliding Mode Control for Double Star Induction Machine (DSIM). N. LAYADI et al.</td>
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<td>ID-075 Direct vector control based on four-level FSVM of a DFIG for wind energy conversion. Habib BENBOUHENNI, Zinelabaidine BOUDJEMA and Abdelkader BELAIDI</td>
<td>ID-074 Multi-objective optimization of Mamdani fuzzy rule based system with rule minimization. M. A. KACIMI and O. Guenonou</td>
<td>ID-133 Control of grid connected PV system acting as shunt active power filter. Brahim Elkhali et al.</td>
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<td>ID-078 Randomized PWM for DC-DC converter operating in continuous and discontinuous conduction mode. A. Boudouda et al.</td>
<td>ID-086 Control of Hydraulic Cylinder Based on fractional PID Controller Optimized by GOA. B. BOUROUBA and S. LADACI</td>
<td>ID-141 Adaptive fuzzy control of mobile robot. Medjoubi Halima et al.</td>
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<td>ID-109 Improving Direct Torque Control of Induction Motor Drive By The implementation of Sliding Mode Controller And a Stator Resistance Compensator. M. HORCH et al.</td>
<td>ID-118 Minimization of reflection losses in the solar cell configuration with a photon conversion system. Mohammed AYAD and Mohamed FATHI</td>
<td>ID-168 Instantaneous Power Control to Voltage Regulation in Power System tuned by Wind Turbine. Issam GRICHE et al.</td>
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