

**4<sup>th</sup> International Conference on Technological Advances in  
Electrical Engineering ICTAEE'23**

**May 23, 2023**

**Salle 1**

*On-Line Session Chair :*

*Dr.L. Djouablia, Pr. T. Bouden, Pr. Saaidia , D.Sayad, B. Bouledjane, F.Bouchareb*

<b>Topic : Signal</b>			
N°	Heure	Auteur	Titre
<b>1</b>	<b>11h00- 11h15</b>	<b>Dida Hedifa,</b> Fella Charif, Abderrazak Benchabane	Guided filter and meta heuristic algorithm-based multi-focus medical image fusion through focus region detection
<b>2</b>	<b>11 h15- 11h30</b>	Fella Charif <b>Younes Tamissa,</b> Abderrazak Benchabane , Farid Kadri	AlexNet for Open Switches Fault Detection in Induction Motor Inverter
<b>3</b>	<b>11h45 – 12 h00</b>	<b>Fellah Soumaya</b>	Lifetime Enhancement In WSN

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<b>Topic : Power System</b>			
<b>N°</b>	<b>Heure</b>	<b>Auteur</b>	<b>Titre</b>
<b>4</b>	<b>13h30 - 13h45</b>	<b>Gharzouli Farid,</b> Segheir Tahar, Boudraa Saliha, Boubakeur Zegnini	Comparative study on the acceleration of the aging of the insulation system – case of oil transformers
<b>5</b>	<b>13 h45 - 14h00</b>	<b>Idris Issaadi,</b> Kamel Eddine Hemsas, Abdenour Soualhi, Farid Kadri	The Impact of an Inter-Turn Short Circuit Fault on a DFIG Driven by a Wind Turbine System with Direct Torque Control
<b>6</b>	<b>14 h00 – 14h 15</b>	<b>Hichem Itouchene,</b> Zoubir Boudries, Idris Issaadi	Nonlinear Backstepping Control of Doubly Fed Induction Generator For Wind Energy Connected to the Grid
<b>7</b>	<b>14h15 – 15 h00</b>		

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**Amphitheatre**

*On-Line Session Chair :*

*Pr.S. Gherbi, Pr. El.H. Guechi, Dr. Bourehala , Bendib ,Y. Kourd, M.Sedraoui*

<b>Topic : Control System</b>			
<b>N°</b>	<b>Heure</b>	<b>Auteur</b>	<b>Titre</b>
<b>8</b>	<b>14h30- 14h45</b>	<b>Abdelkrim Kherkhar</b>	Modeling and Sliding Mode Control of a Quadrotor Trajectory Generation with Aerial Load Transporting
<b>9</b>	<b>14h45 - 15h00</b>	<b>Benabdallah Sereir Boumediene, Bouhadi Manel, Belabbes Ikhlas</b>	Fuzzy Sliding Mode Control of a Dual Star induction Machine with an MRAS Observer
<b>10</b>	<b>15h00- 15h15</b>	<b>Mohamed Zellagui, Samir Setttoul, Adel Lasmari</b>	Optimal Allocation of Multiple Hybrid Fault Current Limiter in Electrical Distribution System using Slime Mould Algorithm
<b>11</b>	<b>15h15- 15h30</b>	<b>Nesrine Tenniche, Boubekeur Mendil, Lyes Tighzert, Mounir Yazid</b>	Nonlinear PID Control Based On DE Algorithm for Flying Robot Trajectory Tracking
<b>12</b>	<b>15h30 – 15 h 45</b>	<b>Ghelem Nourddine, Boudana Djamel, Bouchhida Ouahid</b>	Lateral autopilot design for a small fixed-wing UAV
<b>13</b>	<b>15 h45- 16 h00</b>	<b>Aissani Siham, Mohcene Bechouat, Sedraoui Moussa</b>	Enhanced Maximum Power Point Tracking Scheme for Photovoltaic System Using Fuzzy Logic
<b>14</b>	<b>16h00 – 16h15</b>	<b>Aissani Siham, Mohcene Bechouat, Sedraoui Moussa</b>	Designing a linear model of the Boost Converter in a new and accurate way using a Matlab ident
<b>15</b>	<b>16h15 – 16 h30</b>	<b>Esma Insaf Djebbar</b>	A task scheduling methodology based on artificial intelligence in Cloud systems

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<b>Topic : Signal</b>			
N°	Heure	Auteur	Titre
16	15h00- 15h 15	S. Abbas , M. Hamouma , F. Abbas	Automatic collection, classification and identification data using RFID and WSN for efficient quality control system
17	15h15 - 15h30	Ahmed Sahnoune, Daoud Berkani, Elhadj Zeraoulia	Statistical properties of certain chaotic signals
18	15h30- 15h45	Abdelbasset Azzouz, Rachid Bouhmidi	Sierpinski carpet fractal antenna design using HFSS
19	15h45- 16h00	Abdelmaoula Bouaza, Rachida Touhami, Smail Tedjini, Naeem Ramzan	Performances of a novel low- profile textile patch antenna for 2.45 GHz applications
20	16h00 – 16 h 15	Mahour Saoussane , Tadjine Mohamed , Chakir Messaoud	Controllability Analysis of Nonlinear Model Describing Artificial Pancreas
21	16h15- 16h30	Abdelhakim Sahour, Farouk Boumehrez	Forest monitoring using IoT technology
22	16h30- 16h 45	Farouk Boumehrez, Abdelhakim Sahour	The impact of QoE on the video streaming using HEVC encoder with Multiple Coding

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<b>Topic : Power System</b>			
N°	Heure	Auteur	Titre
23	11h00- 11h15	<b>Dennai Mohammed Yassine</b> Benachour Ali	Application of DTC to a photovoltaic pumping system with Neural Network controller-based MPPT optimization
24	11h15- 11h30	<b>Dennai Mohammed Yassine,</b> Tedjini Hamza	Performance Analysis of NN and PI Controllers for Speed Control of PMSM Motor Using MPC Algorithm: A Comparative Study
25	11h30- 11h 45	<b>Khaled Fettah ,</b> Talal Gaya , Ahmed Salhi , Abdelaziz Salah Saidi , Hasanov Mansur	Optimal Planning of Photovoltaic and Wind based DG Units in Distribution Network Considering Uncertainties
26	11h45 – 12 h00	<b>Ali.Damou,</b> Azeddine Ratni, Djamel Benazzouz	An experimental investigation on the fault diagnosis of rolling element bearing based on higher order spectral analysis

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27	13h30 - 13h45	<b>Nail Alaoui,</b> Souad Kssena, Daoudi Sara, Abdallah Azzouz, Bouhamla Lakhdar, Sofian Kirech	A approach based a DWT for QRS Complex extraction from ECG signal
28	13h45- 14h00	<b>Lebed Toufik,</b> Boukharouba Abdelhak	An efficient multimodal biometric approach based on feature-level fusion and dimensionality reduction
29	14h00- 14h15	<b>Hatem Zehir,</b> Toufik Hafs, Sara Daas	Edge-Based Online Signature Identification: A TinyML Approach with ESP32 Microcontroller
30	14h15 – 14 h 30	<b>Abdel Hakim Ridouh,</b> D. Boutana, S. Bourennane	Wavelet analysis and SVM classification for EEG signals
31	14h30- 14h45	<b>Kheris Djameleldine,</b> Hocine Rachida	Design and Thermal Analysis of Micro-Heaters for MEMS- based Gas Sensor using 3D- TLM Method and COMSOL Multiphysics Software
32	14h45- 15h00	<b>Kheira Amari,</b> Mokhtar Keche	An accurate indoor visible light positioning method using four LEDs and a smartphone camera
33	15h00- 15h15	<b>Walid Hariri ,</b> Souhila Kettouche , Marwa Zaabi	A Comprehensive Survey on Glaucoma Disease Detection using Deep Learning-based Techniques
34	15h15 – 15h30	<b>Razika Souadek</b>	Robust watermarking image algorithm based on hybrid domain: DWT-DCT-SVD

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N°	Heure	Auteur	Titre
34	14h30- 14h45	<b>Bensedira Noureddine</b> Milles Abdessmad, Aggoune Mohammed-Salah	MHD pumping in an electrodialysis channel powered by a 12V battery
35	14h45 - 15h00	<b>Aggoune Amira,</b> Berrezek Farid, Khelil Khaled	Optimal fuzzy self-adaptive PI controller (FSA-PI)for wind energy conversion system (WECS) based on doubly-fed induction generator (DFIG)
36	15h00- 15h15	<b>Nebbache Mohammed</b>	Wind energy prediction using computational fluid dynamics
37	15h15 – 15 h 30	<b>Djedidi Imene,</b> Salhi Ahmed, Bouhanik Anes, Naimi Djemai	Integrated DG with Ecosystem Artificial Optimization (AEO) algorithm
38	15h30- 15h45	<b>Aboubakr Khelifi, Bachir Bentouati, Saliha Chettih</b>	Optimal Power Flow Solution with Stochastic Wind-PV Power Using the Chaotic Equilibrium Optimization
	15h45 – 16h00	<b>Salah Anis Krim, Fateh Krim , Hamza Afghoul</b>	Investigation and Comparative Evaluation of the Performance Enhancement of PV Systems Based on Neuro-Fuzzy MPPT Controller

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