

The 2nd National Conference on Electronics, Electrical Engineering,
Telecommunications, and Computer Vision

C3ETCV'24, November 24-25, 2024,

Abdelhafid Boussouf University Centre of Mila, Algeria



CERTIFICATE

Is awarded to

Haddi Bakhti

For his/her excellence in **presenting the research paper titled,**

"Extraction of relevant leak parameters in WDNs using EMD of vibration
signals in HDPE pipes"

With co-author : Miloud Bentoumi and Brahim Ladghem chikouche.

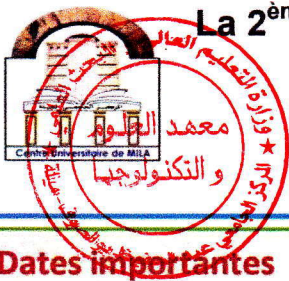
The director of institute



Conference chair

Dr. Billel Smaani





La 2^{ème} Conférence Nationale sur l'Electronique, le Génie Electrique, les Télécommunications, et la Vision par ordinateur

(C3ETCV'24)

24-25 Novembre, 2024, Mila, Algerie

Dates importantes

Date limite de soumission des articles: **30 Octobre, 2024**

Notification des acceptations des articles: **14 Novembre, 2024**

Tenue de la conférence: **24-25 Novembre, 2024**



La 2^{ème} Conférence Nationale sur l'Electronique, le Génie électrique, les Télécommunications et la Vision par Ordinateur (C3ETCV'24) se tiendra au **Centre Universitaire Abdelhafid Boussouf de Mila**, Algérie, les **24 et 25 novembre 2024**. La Conférence vise à présenter les nouvelles avancées et résultats de recherche dans les domaines de l'électronique, de génie électrique et de ses applications. La conférence devrait offrir aux chercheurs, ingénieurs et scientifiques l'occasion d'interagir et de présenter leurs dernières recherches. Les auteurs sont invités à contribuer à la conférence en soumettant des articles faisant état de leurs derniers résultats de recherche, projets innovants. Les sujets d'intérêt relèveront d'un ou plusieurs thèmes de la conférence, mais ne se limitent pas à:

Thème 1: Electronique et génie électrique

- Systèmes embarqués et IOT
- Automatique, robotique et contrôle
- Applications des circuits et simulation
- Apprentissage automatique dans les systèmes embarqués
- Systèmes automobiles
- Machines électriques
- Transport et distribution d'électricité
- Production d'énergie électrique
- Électronique médicale
- Électronique optique
- Instrumentation
- Mesures électroniques
- Systèmes autonomes
- Mesures et calibration
- Micro & Nano-électronique
- Biocapteurs et ses applications

Thème 2: Télécommunications

- Réseaux de communication
- Ad-hoc, Véhicules, Réseaux de capteurs et maillées
- Réseaux Ad-hoc, Réseaux radio
- Réseaux multimédias sans fil
- Réseaux électriques intelligents, Villes intelligentes, Réseaux de petites cellules
- Réseaux sociaux
- Réseaux sans fils verts
- Réseaux de communication 5G
- Performance et QoS
- Internet des objets et communications machine-machine
- Sécurité et confidentialité du réseau sans fil

Thème 3: Vision par ordinateur

- Intelligence artificielle
- Traitement de signal
- Reconnaissance des formes
- Traitement de vidéo
- Télémedecine
- Applications de cybersanté et biométrie des systèmes
- Analyse d'images médicales
- Traitement de la parole
- Signal audio et acoustique
- Bioinformatique et instrumentation
- Stéréovision réalité virtuelle
- Amélioration de l'image, débruitage et segmentation
- Indexation et récupération
- Compression, codage
- Apprentissage automatique et profond

Soumission des papiers

Les articles soumis doivent être inédits et ne pas être actuellement en cours de révision pour une autre publication. Les auteurs sont invités à soumettre des articles (4 à 6 pages ; en Anglais) au format PDF selon les modèles standard de l'IEEE. Uniquement les soumissions électroniques via le système de soumission en ligne Microsoft Conférence Management Toolkit (CMT) :

<https://cmt3.research.microsoft.com/C3ETCV2024>

Site internet de la conférence

<http://c3etcv24.centre-univ-mila.dz/>

Publication

Un certain nombre d'articles sélectionnés seront publiés dans le « Journal algérien des énergies renouvelables et du développement durable » (ISSN : 2710-849X) et dans le « Journal algérien de recherche et de technologie (AJRT) » (ISSN : 2345-5946, E-ISSN). :2543-3954)

Frais de participation

Etudiants: 2500DA

Académique: 5000DA

Professional: 8000 DA

- inscription complète comprenant 4 pauses Coffee, 02 déjeuners.

- frais d'inscription incluent pas l'hébergement (hôtel).

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**The 2nd National Conference on Electronics, Electrical
Engineering,
Telecommunications, and Computer Vision
(C3ETCV'24)**
**Held in Abdelhafid Boussouf University Centre of Mila,
Algeria**
Sunday - Monday/ November 24-25, 2024



First Day

Time	Sunday/November 24, 2024
8 ^h 00 – 8 ^h 30	Welcome & Registration
8 ^h 30 – 9 ^h 15	Opening Ceremony Allocation of Pr Bouchelaghem Amirouche Rector of Abdelhafid Boussouf University center of Mila Allocation of Dr Billel Smaani Chair C3ETCV'24 conference
9 ^h 15 – 09 ^h 50	Keynote 1 Prof Toufik Bouden
9 ^h 50 – 10 ^h 30	Keynote 2 Prof Djamel Benatia
10 ^h 30 – 12 ^h 15	Oral session 1/2/3 Parallel Rooms
12 ^h 15 – 13 ^h 30	Lunch
14 ^h 00 – 15 ^h 30	Oral session 1/2/3 Parallel Rooms
15 ^h 30 – 16 ^h 30	Coffee Break / Poster Session 1/2/3

Second Day

Time	Monday/November 25, 2024
09 ^h 00 – 09 ^h 30	Welcome & Registration
09 ^h 00 – 09 ^h 30	Keynote 3 Dr . Amine Cheriet
09 ^h 30 – 10 ^h 00	Keynote 4 Prof Hocine Labar
10 ^h 00 – 11 ^h 45	Oral session 1 Parallel Rooms
11 ^h 45 - 12 ^h 30	Coffee Break/Poster session 1
12 ^h 30 - 13 ^h 30	Lunch
13 ^h 30– 14 ^h 00	Closing Ceremony

Important note: The registration process will be available during the days of the conference.

Chairs: ...Dr SMAANI Billel....&...Dr BENSLIMANE Hocine.....

9h15 - 9h50	Keynote1
	Prof Toufik Bouden
9h50 - 10h30	Keynote2
	Prof Djamel Benatia

10h30 - 12h15	Oral session 1/ 2/3 Parallel Rooms
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Romm 1:

Chairs: Pr Dib Samira...&...Dr Souhila Hadaef ...& Dr Seloua Bouchekouf

Oral Session 1 : Electronics and Electrical Engineering (10h30 – 12h15 Nov. 24, 2024)				
Paper_ID	Title	Authors	University	Time
8	Enhancing Standalone Renewable Systems: ANN-Driven MPPT and Economic Evaluation	Moufida Saadi Dib Djalel	Univ. Tebessa	10h30 – 10h45
9	Advanced Control for Efficient Management of a Hybrid Renewable Energy System	Moufida Saadi	Univ. Tebessa	10h45- 10h00
14	Design and implementation of a data acquisition system dedicated to a photovoltaic system connected to the grid	Oussama Belaroussi Amel Terki Abdelmoumen Ghilani Samah Alibenamara	Univ. Biskra	10h00 – 11h15
15	Detection of a Two-Level Inverter Open-Circuit Fault Using the Continuous Wavelet Transforms Technique	Sara Seninete Bilal Djamal Eddine Cherif Hilal Rahali	Univ. M'sila	11h15 – 11h30
18	Mapping Effects of DC Bus Short-Circuit Faults on the Electrical and Mechanical Performance of Induction Motors	Bilal Djamal Eddine Cherif Sara Seninete Hilal Rahali	Univ. M'sila	11h30 – 11h45
22	Stabilization of DC-DC Converters in PEM Fuel Cell-Based Green Energy Systems	Aissa Rebai El Mouatez Billah Messini	Nat. Polyt. School of Algiers	11h45 – 12h00
23	Study of the renewable energies integration impact in the South-West Algeria electricity network	Nesrine Belabbas Hocine Guentri Billel Smaani Assia Zenagui Mohamed Nour Mokhtar Mahmoud Mohammedi	Univ. Mila	12h00 – 12h15

Romm 2:

Chairs: Pr Mohamed Salah Benlatrech...&...Dr Mohamed walid Azizi.....

Oral Session 2 : Telecommunication (10h30 – 12h15 Nov. 24, 2024)				
Paper_ID	Title	Authors	University	Time

6	Predicting Return Loss of Circular Slotted Antenna Using Machine Learning with Deep Neural Networks	Abdelbasset Azzouz Rachid Bouhmid Mohammed Chetoui	Univ. Saida	10h30 – 10h45
10	A Hybrid RNN-LSTM Approach for Detecting and Classifying Distributed Denial of Service Attacks	Asma Djama Mohamed Maazouz Hamza Kheddar	Univ. Medea	10h45 – 11h00
28	Advanced LTCC Reconfigurable Antenna for Future 5G Wireless Communication Applications	Djamel Khezzar Salim Ghoggali Kerboub Boubaker Siham Ben Kouda Tarek Fortaki	Univ. M'sila	11h00 – 11h15
56	Optimizing Routing in UAV Networks Through Q-Learning Enhancements	Boudi Raid Khedidja Medani Tabet Nadjia Raoudha Chaabi	Univ. Mila	11h15 – 11h30
66	A uniform node distribution in a grid format utilizing LEACH within a wireless sensor network	Mohammed Lamine Baaziz Zibouda Aliouat Mohamed Amine Attalah Naçima Mellal	Univ. Oum El Bouaghi	11h30-11h45
107	Environmental urban sound classification based on augmented data, Log-Mel and VGG16	Razika Souadek Guellil Nassir	Univ. Seif 1	11h45-12h00
82	Enhancing 5G Performance: A Multi-Verse Approach to Maximizing Spectral, User, and Area Efficiency in Massive MIMO Corresponding Author:	Hiba Ines Bitat Fouzia Maamri Fatima Khelfaoui Belhocine Yacine Messai Yacine Abdelazizi Ines	Univ. Khenchela	12h00 – 12h15

Romm 3:

Chairs: Dr Kamal Himour...&...Dr Sabri Berhail

Oral Session 3 : Computer Vision (10h30 – 12h15 Nov. 24, 2024)				
Paper_ID	Title	Authors	University	Time
5	Study the Effect of Anger and Neutral Emotion on Language Identification from Speech	Horkous Houari	Nat. Polyt. School of Algiers	10h30- 10h45
17	Mapping the Literature Landscape of Distributed Deep Learning for big data	Hadjir Zemmouri Hamza Touati Brahimi Tayeb	Univ. Constantine 2	10h45 – 11h00
33	A Novel Approach to Leveraging Deep Learning for Safeguarding Children on Social Media	Farida Bettou Abdelhamid Boudjit	Higher Nor. School El Katiba Assia Djebar Constantine	11h00 - 11h15
35	Facial expression recognition using LBP, GDP and LGC descriptors	Ouafa Chebah Anissa Chebah	Univ. Annaba	11h15- 11h30
43	Fractal Dimension as a Diagnostic Tool for Signal Analysis in Polluted High-Voltage Insulators	Imene Ferrah Madjid Teguvar	Nat. Polyt. School of Algiers	11h30 - 11h45
63	Optimized Batch Size hyperparameter for Improved Mental Disorders Detection with multi-classifier deep learning	Lamia Bendebane Zakaria Laboudi Asma saighi	Univ. Oum El Bouaghi	11h45 – 12h00
72	Retinal Fundus Imaging Super-Resolution with Dual-Domain Feature Extraction Network	Rania Saoudi	Univ. Bordj Bou Arreridj	12h00 12h15

12^h15 - 13^h30	Lunch
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14^h00 - 15^h30	Oral session 1/2/3 Parallel Rooms
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Romm 1:

Chairs: Pr Dib Samira...&...Dr Souhila Hadaf ...& Dr Seloua Bouchekouf

Oral Session 1 : Electronics and Electrical Engineering (14^h00 – 15h30 Nov. 24, 2024)				
Paper_ID	Title	Authors	University	Time
24	Enhancing DFOC Control of DFIG-based WECS with Robust Type-2 Fuzzy Logic Sliding Mode Control for Loss Minimization	Abdelaziz Belhait Messaoud Louafi Sihem Ghoudelbourk Ghoulemallah Boukhalfa Abdessmad Milles Abdesselem Chikhi	Univ. Tebessa	14h00 - 14h15
27	Energy Management Strategy in Hybrid Power Systems Using Load Following Control	Ghadbane Houssam eddine Es-saadi Terfia	Univ. Guelma	14h15 - 14h30
29	Fault diagnosis of Photovoltaic Arrays Based on Adaptive Boosting Ensemble learning	Ahmed Mesai Belgacem Kahili Kheira	Univ. Jijel	14h30 - 14h45
30	Advanced Bagged Ensemble Learning For Online Fault Detection and Diagnosis of Multiple Short Circuits Phases PMSG in Wind System	Ahmed Mesai Belgacem Kahili Kheira	Univ. Jijel	14h45 – 15h00
36	FOC with LDIW-PSO Technique for OEWM Supplied by SVM Five Level Dual Inverter	Mohamed Lamine Ladjel Abdelhakim Dendouga	Univ. Biskra	15h00 – 15h15
42	Tuning functions-based adaptive backstepping control of high-order uncertain nonlinear strict-feedback systems with output constraint	Yassine Soukkou Hicham Khebbache	Research Center in Industrial Technologies	15h15 - 15h30

Romm 2:

Chairs: Pr Mohamed Salah Benlatrech...&...Dr Mohamed walid Azizi.....

Oral Session 2 : Telecommunication (14^h00 – 15h30 Nov. 24, 2024)				
Paper_ID	Title	Authors	University	Time
87	Revolutionizing Wireless Access: NOMA for Massive Connectivity in IoT	Mabrouk atrouche BelattarMounir Rochdi Bouchebbat	Univ. Skikda	14h00 – 14h15
108	Enhanced Directional Antenna with Optimized Performance for UWB Applications	Mohammed Guerroui Abdelhalim chaabane Ahcene Boualleg Cherifa Mehadjebia Halim Chouabia Dheya Alhaq Ahmed Hamood Abdullah Al Qudami	Univ. Guelma	14h15 - 14h30
91	A New Model of CFAR Detector for heterogeneous environments	HoussamEddine Bouchelaghem Mhamed Hamadouche Halim Choubia	Univ. Guelma	14h30 - 14h45
95	QoS-driven IoT service selection in static and dynamic environments: taxonomy, comparison and guidelines	Ghizlane Khababa Abdallah Khababa Asma Merabet	Univ. Setif 1	14h45 – 15h00

70	Design and Optimization of Flexible Rectenna for Energy Harvesting	Abderrahim BENHAMOU Youcef AMARA Mohamed TELLACHE	Univ. Houari Boumediene	15h00 – 15h15
101	Blockchain in IoT-Enabled E-Healthcare: Assessment of Security and Privacy Implications	Rachida Hireche Houssem Mansouri Yasmine Harbi Al-Sakib Khan Pathan	Univ. Setif 1	15h15 – 15h30

Romm 3:

Chairs: Dr Kamal Himour...&...Dr Sabri Berhail

Oral Session 3 : Computer Vision (14 ^h 00 – 15h30 Nov. 24, 2024)				
Paper_ID	Title	Authors	University	Time
73	Efficient Automatic Identification of Renal Lesions from 2D CT Scans via Involution-Based Neural Network	Ayoub LAOUAREM Mafaza CHABANE Mohamed BERRIMI Skander HAMD Chafia KARA-MOHAMED	Univ. Setif 1	14h00 – 14h15
79	Multiple-Instance Palmprint Recognition System Using Deep Neural Networks	Cheyma Nadir Sif Eddine Boudjellal Attallah Bilal Brik Youcef	Univ. M'sila	14h15 - 14h30
90	Impact Assessment of Erasure Errors on Transmission Robustness in MV-HEVC	Amel Belbel Amara Bekhouch	Univ. Anaba	14h30 - 14h45
100	Leveraging Machine Learning and Ontology for Real-Time Sentiment Analysis of Bitcoin Discussions on Social Media	Atmane Hadji Farid Boumazza Dina Sirine Bali	Univ. Mila	14h45 – 15h00
106	Audio-Driven Classification of Lung Diseases: Unveiling the Efficacy of Mel-Frequency Features and Shallow Machine Learning Models	Mafaza Chabane Ayoub Laouarem Skander Hamdi Mohamed Berrimi	Univ. Setif	15h00 - 15h15
86	Monitoring of urban expansion and estimation of land surface temperature using of the called built-up land features extraction index (BLFEI) : a case study of Algiers town	Rafik Bouhennache Toufik Bouden	Univ. Mila	15h15 - 15h30

15 ^h 30 -16 ^h 30	Coffee Break & Poster Session 1/2/3
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Chairs: Dr Mehimdatsi B, Dr Bensliman H.....&.....Dr Bella M...& Dr Litouche B, Dr Mouatsi A..

Poster Session 1 : Electronics and Electrical Engineering (15 ^h 30 – 16h30 Nov. 24, 2024)			
Paper_ID	Title	Authors	University
74	Investigating the effect of the load resistance on the efficiency of wireless power transfer	Fatima Bennia Boudouda Aimad	Univ. Boumerdes
77	Study of the speed control of a brushless Motor Based on indirect	Asma BENHEMINE	Univ. Bechar

	AC/ AC converter	Hamza TEDJINI Abdel Djabar BOUCHAALA Imen CHAOUFI Ftiha ZAGHRAT	
80	Quick design and analysis of Three Phase Synchronous Motor using ANSYS Maxwell	Layachi Chebabhi Naas toufik Salah eddine Halledj	Univ. Djelfa
81	Advanced analysis of synchronous reluctance motor	Layachi chebabhi Naas Toufik Salah Eddine Halledj	Univ. Djelfa
83	Study of the effect of the CuO in the dielectric properties of the nanocomposites Epoxy resin /BaTiO3	Haddi Bakhti Bouzit BN Nacerdine Miloud Bentoumi Nacerdine Bouzit Nacerdine Bourouba	Univ. Sétif 1
50	Heat transfer enhancement in solar collector for electricity production	Litouche Billel Mourad Bella Rebai Billel	Univ. Mila

Poster Session 2 : Telecommunication (15 ^h 30 – 16h30 Nov. 24, 2024)			
Paper_ID	Title	Authors	University
2	Drone-Assisted Telecommunication Networks: A Comprehensive Survey of Applications, Roles, and Existing Works	Tarek Bouzid.	Univ. Laghouat
44	Chaotic Interleaving using skew tent map for Secure Turbo Codes	Ahmed Sahnoune Mostefa Hamdani Mokhtar Merzougui	Nat. Polyt. School of Algiers
48	On the decoding of LDPC Codes	Ahmed Sahnoune Djilali Naar	Univ. Tissemsilt
58	Wireless secure communication through nonlinear chaotic system	Maamri Fouzi Djellab Hanane Sahour A.Hakim Boumehrez Farouk yacine Messai Bitat Hiba Ines	Univ. Khenchela
64	Phishing Detection in SMS Using NLP and Machine Learning Techniques	Malika imane Bencherghi Abdelkader Ghazli	Univ. Bechar
69	Performance Assessment of Long-Haul Multiservice WDM-RoF Networks Employing DPSK-ODSB-SC System	Abderrauof Fares Fatima Brik Nadira Boukhatem Brahim Ayeb	Univ. Annaba
25	Performance evaluation of a hybrid DWDM FSO link for the next generation	Oumaima ALLAOUA Hanane Djellab Fouzia Mammri Farouk Boumehrez SAIDI Riad Abdelhakim Sahour	Univ. Tebessa

Poster Session 3 : Computer Vision (15 ^h 30 – 16h30 Nov. 24, 2024)			
Paper_ID	Title	Authors	University

34	UAV-based Crop and Weed Recognition using Machine Learning Techniques	Faiza Mekhalfa	CDTA
39	Advancing Water Potability Assessment with Stacking Ensemble Learning Techniques	Sofiane Abden Mostefa Bendjima Soumia Benkrama Gasbaoui mohammed Elamin Kourtiche Ikram Mokeddem Kamal Hamed Ali	Univ. Bechar
60	An Improved Deep Learning Approach for Accurate Identification and Classification of Plant Seedlings Corresponding Author: Meroua Belmir	Meroua Belmir Wafa Difallah Abdelkader Ghazli	Univ. Bechar
76	Multi-Class Classification of Cervical Cancer Histopathology Images Using Vision Transformers	Mouhamed Laid ABIMOULOUD Khaled BENSID Oussama AIADI	Univ. Sfax (Tunisia)
78	An Efficient Hybrid Conv-Transformer Architecture for Finger Vein Recognition Based on MobileViTv2 Model	Sif Eddine Boudjellal Nadir Cheyma	Univ. Sétif
98	Predictive Modeling of Suicide Risk Using Age and Gender: Enhancing Interpretability with LIME	Asma Merabet Asma saighi Ghizlane Khababa	Univ. Oum El bouaghi
112	Intelligent Fire and Smoke Detection Surveillance System Using Deep-Learning	Chouabia Halim Babouri Abdesselam Chaabna Ameur Rezaiguia Oussama Guerroui Mohammed Al Qudami Dheya Alhaq Ahmed Hamood Abdullah	Univ. Guelma

Plenary Session 1:

Chairs: ...Dr SMAANI Billel....&...Dr ...Hocine Benslimane...

09 ^h 00 - 09 ^h 30	Keynote 3
	Dr . Amine Cheriet <i>Les Nanosatellites CubeSat : Technologie et Applications</i>
09 ^h 30 - 10 ^h 00	Keynote 4
	Prof Hocine Labar <i>The synergy between smart grid and renewable energies</i>

10 ^h 00 - 11 ^h 45	Oral session 1 Parallel Rooms
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Romm 1:

Chairs: Dr NAFA Fares...&...Dr MOUATSI Abdelmalek

Oral Session 1 : Electronics and Electrical Engineering (10 ^h 00 – 11 ^h 45 Nov. 25, 2024)				
Paper_ID	Title	Authors	University	Time
46	Advanced MPPT Controllers for Solid Oxide Fuel Cells	Aalah eddine Halledj Amar Bouafassa	Res. Center in Industrial Tech. Cheraga	10h00-10h15
47	Fault Tolerant Control of Wind Turbine Model via Identified Fuzzy logic	Habib Chaouki Ben Djoudi Lahcene Noureddine Sallah Mourad	Univ. Djelfa	10h15-10h30
49	Optimum Power Monitoring in PV systems Subjected to Partial Shading Conditions: a Metaheuristic Approach	Rachid Bennia	Nat. Polyt. School of Algiers	10h30-10h45
51	Neural Network Model Predictive Control based on DTBO approach: Applied to control Robot Manipulators	Chafea Stiti Mohamed Benrabah Abdelhadi Aouaichia Kamel Kara	Univ. Blida 1	10h45-11h00
53	Intelligent Optimization Techniques-Based Hybrid Renewable Energy System	Badis Bacha Hatem Ghodbane Nadjiba Terki Lamdjed Elhamel Abir Betka Brahim Bacha Soufiane Benabdi	Univ. Biskra	11h00-11h15
68	Design and simulation of DC Microgrid Application Integrated with Photovoltaic Systems and battery	Benabied Djamal Zahzouh Zoubir Benabid Rabah Guntri Hocine	Univ. Souk Ahras	11h15-11h30
75	A Supper Twisting based Integral Sliding Mode Controller for a Three-Phase LCL filtered Grid-Connected Inverter	Houssam Eddine Billel Talbi Idris Messaoudene Moussa Abderrahim Mehiris	Univ. Bordj Bou Arreridj	11h30-11h45

Romm 2:

Chairs: Dr Kamal Himour ... Dr Souhila Hadaf

Oral Session 1 : Electronics and Electrical Engineering (10 ^h 00 – 11 ^h 45 Nov. 25, 2024)				
Paper_ID	Title	Authors	University	Time
84	Impact of Nonlinear Material Integration in 400 kV Composite Insulator on Leakage Current and Electric Field Distribution	Rabie Salhi Abdelouahab Mekhaldi Madjid Teguair Omar Kherif	Nat. Polyt. School of Algiers	10h00-10h15
85	Sizing the autonomous Hybrid Renewable Energy Source using the Particle Swarm Optimization	Abdel Djabar Bouchaala Ahcene Boukadoum Ahmed A. Zaki Diab Asma Benhemine	Univ. Skikda	10h15-10h30
89	Simulation and Feasibility Analysis of a Hybrid Renewable Energy Station for Charging Electric Fishing Boats at Beni Haroun Dam in Algeria	Bacha Brahim Nor Rebah Nouredine Sengouga Badis Bacha Djamel Eddine Mazouzi	Univ. Biskra	10h30-10h45
96	Adaptive Control Strategies for Shunt Active Power Filters: Enhancing Power Quality in Nonlinear Load Environments	Abdessalem Ryad Mebarek Leila Merabet Chouaib Rahli Ayoub Rehail	Univ. Badji Mokhtar	10h45-11h00
105	Improved sensorless backstepping controller using model reference adaptive system of a Permanent Magnet Synchronous Motors	SLIMANI Amira BOUREK Amor AMMAR Abdelkarim DAHNOUN Ilyes HATTAB Wassila	Univ. Biskra	11h00-11h15

11^h45 -12^h30

Coffee Break & Poster Session 1

Chairs: Dr Mehimdatsi B, Dr Bensliman H.....&.....Dr Bella M...& Dr Nafa F., Dr Mouatsi A..

Poster Session 1 : Electronics and Electrical Engineering (11 ^h 45 – 12h30 Nov. 25, 2024)			
Paper_ID	Title	Authors	University
3	Traffic Flow Identification Using Stationary Models Based On Instrumental Variables Method	Maroua Boughouas Riadh Djabri Abdelhamid Djari	Univ. Tebessa
4	Characterization and Optimization of AlGaAs/GaAs HEMT Performance Through Doping Variation: A Simulation Approach	Djemâa Ben Othmane Wissame Mezhoud	Univ. Annaba
7	Deep Learning vs. Classical Approaches: Evaluating Signal Denoising Performance on Synthetic Waveforms	Mohammed Mehdi Bouchene	Univ. Guelma
11	Design of Dual Active Bridge Isolated Bidirectional DC converter Based on Current Stress Optimization	Hafsa Benmakhlouf Mahieddine Hacı	Univ. Constantine
12	Effectiveness of Several MPPT Approaches on PV Pumping System	Oussama Belaroussi Abdelkarim Ammar Ilyes Dahnoun Meryem Benakcha	Univ. Biskra

		Ahmed Lechelah	
13	Realization of the prototype of a photovoltaic diagnostic system	Oussama Belaroussi Amel Terki Abdelmoumen Ghilani Ikram Boubidi Amal Dris	Univ. Biskra
16	New design and analysis of a selective filter-based on the use of one dimensional photonic crystal (1D-PC) structures with the integration of doping technique	Badreddine Mamri Ouarda barkat	Univ. Constantine 1
19	Study and analysis of nanosheet Field Effect- Transistor	Billel Smaani Hocine Guentri Mohamed Salah Benlatrech	Univ. Mila
20	Impact of Distributed PV Generation on Voltage Profiles and System Losses in IEEE 14-Bus System	Mohamed Amir Labed Mohamed Benidir Hocine Sekhane	Univ. Constantine 1
21	Enhancing electrical efficiency of a solar module using a cooling system : experimental case study	Billel Boumaaraf Houria Boumaaraf	Institut Supérieur de Formation Ferroviaire Algiers
26	Design of a Single-Axis Solar Tracking System to Maximize the Sun Radiation Falling Down on the Photovoltaic Panel	Djamel Dhahbane Krishna Busawon	Ecole Supérieure Ali CHAHBATI Réghaia
31	Modeling Energy Loss Density in Dynamic Regime: The Effect of Frequency on Moving Magnetic Walls	Ibtissem Belgasmi Brahim Ladghem Chikouche Mourad Hamimid	Univ. Bordj Bou Arreridj
32	Analytical modeling of magnetic field using a linear hybrid approach with application to permanent magnet synchronous motors	Brahim Ladghem Chikouche Ibtissem Belgasmi Miloud Bentoumi Haddi Bakhti	Univ. M'sila
37	High-Performance Slow Light in Photonic Crystal Waveguides through Elliptical Hole	Mouhssin Maache	Direction Centrale Recherche et Développement de Sonelgaz Alger
52	Identification of the Fourth-Order Synchronous Machine Model Trough SSFR Tests	Farid Leguebedj Djamel Boukhetala	Nat. Polyt. School of Algiers
55	buck/boost converter connected to the supercapacitor	Fatima Remili Haddad Ouarda Ammari nessrin	Univ. Bordj Bou Arreridj
57	Extraction of relevant leak parameters in WDNs using EMD of vibration signals in HDPE pipes	Haddi Bakhti Miloud Bentoumi Brahim Ladghem chikouche	Univ. M'sila
59	Cepstral Analysis-Based Method for Detecting Leaks in Water Supply Networks	Miloud Bentoumi haddi Bakhti Brahim Ladghem chikouche	Univ. Mohamed Boudiaf Alger
61	Parameters Identification of Solar Photovoltaic Cells using the Educational Competition Optimizer Corresponding Author: Yacine Bouali	Yacine Bouali	USTHB
62	Analysis and Design of Terahertz Symmetrical Slot Antenna Based on Photonic Crystal Substrate Corresponding Author: Ayoub BENGHERBIA	Ayoub BENGHERBIA Wissal MADACI Asma BOUTERFIF	Univ. Medea
67	Event-Triggered based Data Driven Feedback Control	Salah eddine Halledj Amar Bouafassa	Research Center in Industrial Technologies Cheraga
71	Parametric Study Of A Thermoacoustic Engine	Ali Bendjaghlouli Brahim Mahfoud	Univ. Mila
104	Adaptive Iterative Learning Control for a Class of Nonlinear Systems with Full States Constraints	Hocine Benslimane	Univ. Mila
40	PV system Dc-Bus voltage regulator controlling by an hybrid Fuzzy Super-Twisting Sliding Mode	Abdesselam Guerbouz Amine-mehdi Fihakhir	Univ. Djelfa
88	Monitoring and Analysis of a Photovoltaic System Performance	Faiza Belhachat Cherif Larbes Rachid Bennia	Nat. Polyt. School of Algiers
92	Numerical study of Sr3Ti2S7 Perovskite solar cell using Scaps 1D simulation	S. Belferdi M. Amir Abdi	Univ. Batna

		H. Bencherif S. Mokrani	
93	Numerical study of inorganic Cs ₂ AgBiBr ₆ as a lead-free Perovskite solar cell using Scaps 1D	S. Mokrani S.Kouda T.Bendib Y.Zeghiche S. Belferdi. H. Bencherif	Univ. Mila
94	Application of the DSK C31 Card for Real-Time Water Leak Detection	Miloud Bentoumi Haddi Bakhti Brahim Ladghem Chikouche	Univ. Mohamed Boudiaf Alger
97	Influence of technological parameters on the electrical properties of VDMOSFET transistors	Hamza Boumaza Mehdi Ghomazi Mourad Bella	Univ. Mila
99	Remaining useful life (RUL) of systems using data driven approche strategies	Houda Hitoum Kamel Eddine HEMSAS Moncef SOUALHI Abderahmane HALIS Chahrazad BENDALI Ouanas SLIMAN	Univ. Setif
102	MPPT control using the P&O method and the meta-heuristic method PSO	Seloua Bouchekouf Hocine Guentri Liamena Hassinet Gherraz Feriel Medjdoub Rim Souhila Hadaf	Univ. Mila
103	Real-Time HIL Implementation of Integrated Wind Turbine and DSIG System	Khaled Benzaoui Houssam eddine Ghabane Mohammed Boukhari Abderrahmen Bouguerra Samir Zeghlache Ishaq Aiche	Univ. M'sila
109	Multi-Objective Optimal Power Flow Incorporating SVC for Cost and Voltage Deviation Minimization in Power Systems	Imadeddine Benhabsa Ramzi Kouadri Linda Slimani Houssam Eddine Medouce Oqeyl Djebouri	Univ. Setif 1
110	Comparative Study of Energy Production and Performance in Northern and Southern Algeria's Solar Plants	Gouder Chaima Nasreddine Bouchikhi Boussadia Fethi	Univ. Setif 1
111	A Comparative Study of Two Control Techniques Implemented on the Permanent Magnet Synchronous Machine	Wassila Hattab Abdelhamid Benakcha Seddik Tabet Amira Slimani	Univ. Biskra
113	Automatic Censoring Quantile Equalization-based Constant False Censoring and Alarm Rates Detector for Multiple-targets Situations	Hicham Madjidi Toufik Laroussi	Univ. Constantine 1
114	Artificial Intelligence control for Power Quality Enhancement	BOUZIANE MAROUA ZAROUR LAID KHALLOUF KHAOULA NERMINE	Univ. Constantine 1
115	Power Quality Enhancement Of Hybrid Microgrid Connected System	Khalouf Khaoula Nermine Zarour Laid Bouziane Maroua	Univ. Constantine 1
116	Performance of a multilayer SPR sensor based on a heterogeneous metal nanoparticle layer for biomedical applications	Bouchra Aliche Abdelali Saouli	Univ. Constantine 1
41	Study and simulation of a photovoltaic pumping system	Mourad Bella Billel Litouche Mehdi Ghomazi	Univ. Mila

12^h30 - 13^h30	Lunch
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13^h30 -14h00	Closing Ceremony
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