

CONFERENCE PROGRAM

Day 1: 1 October 2024

Time	Program Content
8:30-9:45	Opening ceremony
9:45-11:00	Keynote 1 <i>"Condition Monitoring, Fault Detection, Diagnosis and Remaining Life Time of Electrical Machines"</i> Prof. Gérard-André Capolino, University of Picardie Jules Verne, Amiens, France Chairs: Prof. F. Habelhomes, Prof. F. Krim
11:00-11:20	Coffee Break
11:00-13:00	Poster Session
11:20-13:00	Oral sessions
13:00-13:45	Lunch Break
14:00-15:30	Keynote 2 - <i>Presentation of ASAL/Alcomsat-1</i> - <i>Presentation of portable VSAT station</i> Dr. Maamer Zahra, ASAL (Agence Spatiale Algerienne) Chairs: Prof. S. Semcheddine, Dr. N. Chergui, Dr. A. Bouchelaghem
15:30-15:50	Coffee Break
16:00-18:30	Virtual sessions

Day 2: 2 October 2024

Time	Program Content
9:00-11:00	Keynote 3 <i>"The Impact of Data and AI on Healthcare"</i> Prof. Tahar Kechadi, University College Dublin, Irlande. Chairs: Prof. A. Harrag, Dr. M. Djebbar Keynote 4 <i>"Large Language Models: The Falcon Series"</i> Prof. Merouane Debbah, University of Khalifa, abu dhabi,Uae Chairs: Prof. L. Ziet, Dr. H. Khouni
11:00-11:15	Coffee Break

11:20-13:00	Oral Sessions
13:00-14:00	Lunch Break
14:00-18:00	Visit Tourist Attractions

Day 2: 03 October 2024

Time	Program Content
9:00-10:00	Keynote 5 <i>"Artificial Intelligence for Industrial and Environmental Applications"</i> Prof. Vincenzo Piuri, University of Milan, Italy Chairs: Prof. N. Bourouba, Prof. H. Chemali
10:00-10:20	Coffee Break
10:00-13:00	Poster Session
10:20-13:00	Oral Sessions
13:00-13:45	Break
14:00-16:30	Virtual sessions
16:30	Closing ceremony

IMPORTANT NOTES FOR VIRTUAL SESSIONS

Participants are invited to respect the below notes

1. To properly use Google Meet, Participants should have (or create) a **"Gmail"** account.
2. Every Participant **should be on his/her time** and respect his/her **programmed presentation time**.
3. **10 MINUTES** FOR PRESENTATION
4. **5 MINUTES** FOR QUESTIONS AND DISCUSSION
5. IF THE INTERNET CONNECTION IS LOST, THE MODERATOR CAN GO FORWARD THE NEXT PRESENTATION
6. Participants must be connected to the room session **10 minutes before** the presentation time.
7. All participants can connect live and listen to all sessions.

Google Meet Links:

ROOM 1

<https://meet.google.com/dwe-sghr-qtq>

ROOM 2

<https://meet.google.com/wsj-qthm-rcf>

ROOM 3

<https://meet.google.com/xhr-pbcu-tdu>

ROOM 4

<https://meet.google.com/tyb-uuuk-thy>

ROOM 5

<https://meet.google.com/qvp-qfpv-mxo>

Keynote

<https://meet.google.com/zsr-tudt-owf>

Technical Program – Day 1
Poster Session

Poster Session			Chairs
			Dr. M. Nesri
			Dr. A. Arabi
			Dr. R. Zegadi
			Dr. M. L. Bouknia
ID Paper	Time	Paper	
128	11:00-13:00	Krim Salah Anis; Krim Fateh; Afghoul Hamza; Bey Habib; Abdelmalek Ferial Optimized Adaptive Integral Sliding Controller for a Bidirectional DC converter	
129		Krim Salah Anis; Krim Fateh*; Afghoul Hamza; Bey Habib; Abdelmalek Ferial Topologies, Control and Applications of Bidirectional DC Converters	
186		Ihammouchen Syphax; Ziane Djamel; Zebboudj Mourad; Rekioua Toufik; Mokrani Zahra; Time Domain Approaches For Harmonics Mitigation Using Three Phase SAPF	
187		Zebboudj Mourad; Rekioua Toufik; Ali Chebabhi; Ihammouchen Syphax; Ziani Rekioua Djamila; ect Invistigation on Four-Leg Shunt Active Filters in Photovoltaic Grid connected system Using SRF Theory based on Hysteresis controler	
188		serir chafiaa; bensmail samia; Ziani Rekioua Djamila; Belhoul Talit; mokrani zahra; Zebboudj Mourad; IHAMMOUCHEN Syphax Smart Optimization of an Isolated Microgrid for Rural Electrification	
189		Mokrani Zahra*; Ziani Rekioua Djamila; Oubelaid Adel; Kakouche Khoudir; Rekioua Toufik; ect. Power Optimization in Hybrid Systems Integrating PV generator, Batteries and Supercapacitors	
220		Chems El Ghizlane Lachkhab*; Mansouri Yasser; Lakhdara Maya; Boulgheb Abdelaaziz Study of the SOI layer's impact on the electrical properties of the Heterojunction Bipolar Transistor BiCMOS55nm	
24		Reddaf Abdelmalek* Modeling of Schottky Diode for Rectenna Device	
23		Zerrouk Abderraoufe*; Tounsi Mohamed Lamine; Yagoub Mustapha Patch Array Antenna For Radar Level Measurement In Automation Industrial Process	
47		Laouar Oulfa*; Amamra Imed; Derouiche Nadir Bit-Flipping LDPC Decoding Algorithm for Optical Fiber Communication Systems	
162		Belhoul Talit; Serir Chafiaa; Mokrani Zahra; Zebboudj Mourad; Ihammouchen Syphax; Optimizing the Efficiency of Non-Uniform Electric Field Systems Under AC Voltage and a contaminating environnement	
156		Hammou Ines; Lahcene Ziet; Kouadra Imane; Bencheikh Abdelhalim Comparasion Between FRQI And NEQR Representation	
185		Boughaba Nouredine*; Barkat Ouarda Design of Rotman lens for 5G wireless applications at 24 GHz	
78		Adel Ilyas Goffa; Youcef Bentoutou; Taleb Nasreddine Change Detection Using Siamese Neural Network with Depthwise Separable Convolutions and Spatial Attention Module (SAM) in Remote Sensing	

Oral Session

Oral Session C.1

Chairs
Pr. C. Zebiri
Dr. D. Sayad

ID Paper	Time	Paper
16	11:20- 11:40	<i>Titi Nesrine ; Haddad Sofiane*</i> ; Ammar Soukkou; Aknouche Fouad; Djema Housseem Eddine Power Allocation Optimization Using Water-Filling Technique for MIMO-NOMA-Based Visible Light Communication Systems
39	11:40- 12:00	<i>Sila Amal; Messaoud Garah; Kenane Elhadi; Guernine Rania; Seghiour Rima</i> Design of Coupled-Line Wilkinson Power Divider for UMTS mobile applications
222	12:00- 12:20	<i>Khacha Sarra; Mehenni Nor-elhouda; Sayad Djamel; Zegadi Rami; Elfergani Issa; Rodriguez Jonathan; ZEBIRI Chemseddine</i> Dual band Microstrip Antenna for 5G Millimeter-wave Communications
235	12:20- 12:40	<i>Chahrazad Bensid; Kenane Elhadi; Mohamed Lamine Bouknia; Elfergani Issa; Rodriguez Jonathan; Zebiri Chemseddine</i> Miniaturized CPW-fed F-Shaped Textile Jeans Antenna Wearable for Medical Applications
252	12:40- 13:00	<i>Bendjedi Hanane; Mekki Samira; Zebiri Chemseddine; Ferhat Hamida Abdelhak</i> A Hemispherical Dielectric Resonator Antenna with two Slots For 5G-Millimeter Wave Applications

Oral Session P.1

Chairs
Pr. T. Rekioua
Pr. M. Khemliche

ID Paper	Time	Paper
13	11:20- 11:40	<i>Merabet Salah Eddine; Kerdoun Djallel; Ghediri Abdelhalim; Morakchi Mohamed Razi</i> Comparative Study of Envelope and TKEO Demodulation Techniques for detecting Rotor bar breakage using Motor Current Signature Analysis (MCSA)
17	11:40- 12:00	<i>Boutana Yacine; Ammar Soukkou; Haddad Sofiane</i> Enhancing Fault Detection in Solar Photovoltaic Systems Using Multi-Modal Models
25	12:00- 12:20	<i>Belguedri Mouaad; Benrabah Abdeldjabar; Farid Khoucha; Hafiz Ahmed; Mohamed Benbouzid; Benmansour Khelifa</i> Robust Nonlinear PI DC-Link Voltage Control for Pumping Kite Generator Systems
71	12:20- 12:40	<i>Boudjerda Tarek; Lalouni Sofia; Tamalouzt Salah</i> Fuzzy energy management for a standalone Photovoltaic/ batteries/ load System
179	12:40- 13:00	<i>Belynda Fares ; Abdelli Radia; Bouzida Ahcene</i> Development of an algorithm for detecting rotor bar breakage in an induction generator

Oral Session Em.1

Chairs

Dr. F. Srairi

Dr. K. Chara

ID Paper	Time	Paper
11	11:20- 11:40	<i>Hamadi Anwar; Latoui Abdelhakim</i> Step-Detection-Controlled Robot Dog Guide for Visually Impaired Pedestrians
38	11:40- 12:00	<i>Akkal Maroua; Cherbal Sarra; Annane Boubakeur; Lakhlef Hicham</i> Blockchain for Secure Access Control in the Internet of Things: A Review and Comparative Analysis
65	12:00- 12:20	<i>Cheriet Nadhir; Belazoui Abdelouahab</i> Federated Learning-Based Approach for Effective Educational Resource Recommendation
117	12:20- 12:40	<i>Himeur Mohammed; Hassam Abdelouahab</i> Tomato Disease Detection and Recognition Using YOLOv8
121	12:40- 13:00	<i>Ahmid Maroua ; Ahmid Djelloul; Hamaizia Zahra</i> Design of a Color Tunable Vertically Stacked QW LED with single Anode, double Cathode
Oral Session Md.1		Chairs
		<i>Pr. N. Bouzit</i>
		<i>Pr. A. Ait-kaki</i>
ID Paper	Time	Paper
51	11:20- 11:40	<i>Boughagha Abderrahim</i> Design of a salinity sensor based on long-period fiber grating for aquatic environnement
92	11:40- 12:00	<i>Agaba Chahinaz</i> Comparative study between Lichtenecker Modified Model and Bottreau's Law for two binary composites (RE-BT) and (RE-SiO2)
158	12:00- 12:20	<i>Merabet Sarra; Bendenia Chahrazed; Sid Ahmed Khantar Sid Ahmed; Samia Moulebhar; Hanae Merad; Souhila Bendenia</i> Investigating the (CdS/ZnS) Buffer Layers'effect on CIGS Solar Cells Performance By SCAPS-1D Simulator
193	12:20- 12:40	<i>Selmoune Bachir; Hamimid Mourad ; Sofiane Aidel; Elyazid Zaidi; Mabrek Abdelhakim</i> Coupling the Finite Volume Method with the Jiles-Atherton hysteresis model for modeling the real magnetic behavior of ferromagnetic materials
231	12:40- 13:00	<i>Mansouri Yasser; Chems El Ghizlane Lachkhab; Lakhdara Maya</i> Enhancing RF Applications: Integration of 55nm BiCMOS Technology in a Common Emitter Amplifier Using COMSOL Multiphysics

Virtual Session

Virtual Session V_C.1			Chairs
ROOM 1 : https://meet.google.com/dwe-sghr-qtq			Pr. C. Zebiri
			Dr. D. Sayad
			Dr. Y. Tighilt
ID Paper	Time	Paper	
3	16:00- 16:20	Bouzid Tarek; Chaib Noureddine ; Bensaad Mohamed Lahcen; Ferrag Mohamed Amine A Novel UAVs as a Slicing Service (UaaS) framework for 5G and future 6G networks for improved slice delivery	
15	16:20- 16:40	Derouiche Samra; Kameche Samir ; Adardour Haroun Errachid Evaluating the influence of diverse rain attenuation levels on 60GHz MMW transmission in free space optical communication systems	
19	16:40- 17:00	Bedra Mohamed; Bedra Sami; Benatia Djamel; Akram Bediaf ; Tarek Fortaki; Arar Djemai Design of H-shaped Compact Microstrip Antennas with Anisotropic Substrates	
20	17:00- 17:20	Akram Bediaf; Bedra Sami; Bedra Mohamed; Arar Djemai; Tarek Fortaki; Benatia Djamel Unraveling Frequency Dynamics: Machine Learning Approach for Predicting H-Shaped Microstrip Antenna's Resonant Frequency	
58	17:20- 17:40	Remili Fatima Enhancement of antenna performance using metamaterial for MIMO system applications	
59	16:40- 18:00	Chikhaoui Dalila; Beladgham Mohammed; Mohamed Benaissa Region-Based Retinal Image Compression Using Convolutional Auto-Encoder And Arithmetic Encoding	
	18:00- 18:20		
Virtual Session V_P1.1			Chairs
ROOM 2 : https://meet.google.com/wsj-qthm-rcf			Pr. S. Sayah
			Dr. H. Feroura
			Dr. F. Amrane
ID Paper	Time	Paper	
31	16:00- 16:20	Boukelia Taqiy Eddine Fluids selection of an organic Rankine cycle integrated to a parabolic trough solar power plant for waste heat recovery	
60	16:20- 16:40	Djeddi Mounir; Ihadadene Mohamed Nadir Simulation of EMC Perturbations for Soft Starters using Hardware-in-the-Loop in the Verification and Validation Phase	
62	16:40- 17:00	Slimani Oualid; Mebrouki Mohammed; Sebbagh Hafida Techno-Economic Analysis of a Stand-Alone Photovoltaic System with Different Tilt Angle	
68	17:00- 17:20	Khater Fatma; Aibeche Abderrezak ; Sidali Fellag Faults Diagnosis For Multilevel-Multicell Converters Using Sliding Mode Controller And Adaptive Threshold	
73	17:20- 17:40	Mohamed Amir Labeled; Benidir Mohamed; Hocine Sekhane Integrating Thyristor Controlled Series Compensator in Optimal Power Flow Solutions using Grey Wolf Optimization and Particle Swarm Optimization	

77	16:40- 18:00	<i>Ouai Atallah; Mokrani Lakhdar ; Machmoum Mohamed</i> An Intelligent Energy Control of a Grid Connected PV system with PWM-Inverter Fault-Tolerant Strategy to Maintain the Service Continuity
111	18:00- 18:20	<i>Mohammed Abdelhalim Morad; Mohammed Choukri Benhabib; Sidi Mohammed Meliani</i> Study and design of a portable weather station to assess wind energy potential at Tlemcen's Faculty of Technology
Virtual Session V_P2.1 ROOM 3 : https://meet.google.com/xhr-pbcu-tdu		Chairs
		<i>Pr. A. Amardjia</i>
		<i>Dr. S. Latreche</i>
		<i>Dr. F. Radjah</i>
ID Paper	Time	Paper
43	16:00- 16:20	<i>Bouguerra Khoukha ; Latreche Samia; Khemliche Mabrouk; Khemliche Hamza</i> Modeling and simulation of a photovoltaic system using a synergistic control and (INC), (P&O) connected to a load and to an electric grid
126	16:20- 16:40	<i>Bouguerra Khoukha ; Latreche Samia; Khemliche Mabrouk; Khemliche Hamza</i> Sliding Mode Control for Interleaved DC-DC Boost Converter based Photovoltaic Energy System
135	16:40- 17:00	<i>Lahouasnia Nasreddine; Deghboudj Tamir</i> Detection of Bearing Defects Based on Vibration Signature Analysis and DWT
145	17:00- 17:20	<i>Aymen Abdellah Lasri ; Sefiani Hidayet Meroua</i> Optimizing the performance of a mechanical battery (flywheel) using the experimental design method
150	17:20- 17:40	<i>Guerbouz Abdesselam ; Merzouk Imad; Hafaifa Ahmed; Fihakhir Amine</i> Comparative analysis between Integral synergetic control and PI control applied to Dc-Link voltage regulator
165	16:40- 18:00	<i>Diaf Bouchra; Kerboua Abdelfettah; Fouad Boukli Hacene Bhf; Hedeilli Nawel</i> Assesement of wind energy potential at Ouargula and setif, Algeria
168	18:00- 18:20	<i>Ilyas Mimoun; Youcef Mihoub; Aicha Asri; Said Hassaine</i> A Comparative Study of MPPT Techniques on THD Current for PV Systems Under Partial Shading Conditions
Virtual Session V_Inf.1 ROOM 4 : https://meet.google.com/tvb-uuuk-thy		Chairs :
		<i>Pr. N. Boukezzoula</i>
		<i>Dr. H. Khouni</i>
		<i>Dr. N. Chergui</i>
ID Paper	Time	Paper
105	16:00- 16:20	<i>Khadiche Manel; Boucheham Bachir ; Bougueroua Salah</i> Ramer-Douglas-Peucker Dynamic Time Warping (RDP-DTW): A Novel Data Reduction Based Dynamic Time Warping method for Time Series Classification
180	16:20- 16:40	<i>Lahsaini Ilies; Hadj Ahmed Ismail</i> Deep Learning–Based COVID–19 Detection in CT Images.
209	16:40- 17:00	<i>Mokhtari Aicha</i> Retinal Biometric Identification with Pre-Trained Xception and Depth-Wise Separable Convolutions

Virtual Session V_Em.1

ROOM 4 : <https://meet.google.com/tvb-uuuk-thy>

Chairs

Pr. L. Ziet

Dr. N. Harrag

Dr. N. Oulmi

ID Paper	Time	Paper
57	17:00- 17:20	<i>Hassain Md Mehedi; Apple Mouslah Uddin; Mim Alifa; Das Bristy; Mahmud Md Raihan</i> GSM Based System for Vehicle Gas Leakage Detection and Driver Condition Assessment
72	17:20- 17:40	<i>Lamia Senasli; Mohammed Chetioui; Mehdi Damou; Boudkhil Abdelhakim; Fatima Bouasria</i> Applying the K Nearest Neighbor algorithm (KNN) in a microwave filter
100	17:40- 18:00	<i>Hadri Lyliia; Fareh Messaouda</i> A Comprehensive Review of Schema Extraction Approaches in Linked Data
127	17:00- 18:20	<i>Tenniche Nesrine; Tighzert Lyes ; Mendil Boubekeur</i> A Comparative Analysis of Optimization Algorithms for Control in Autonomous Robots Navigation

Virtual Session V_Ct.1

ROOM 5 : <https://meet.google.com/qvp-qfpv-mxo>

Chairs

Pr. S. Semcheddine

Dr. F. Keraghel

Dr. M. Hamani

ID Paper	Time	Paper
8	16:00- 16:20	<i>Mabrouk Younes abdelbadie</i> Spectral analysis of the stator current of a Direct torque control with a neuro-fuzzy flux estimator applied to an induction motor
55	16:20- 16:40	<i>Sakouchi Abderrahim; Djahbar Abdelkader; Bounadja Elhadj</i> Enhanced Performance of Wind Farm Systems with Multi-phase PMSGs using Backstepping Control
79	16:40- 17:00	<i>Boucetta Fella; Benchouia Mohamed Toufik; Becherif Mohamed; Chebani Mohamed; Golea Amar; Boumaraf Rabia</i> Intelligent Controller to Improve Stator Voltage Regulation Performance of a Standalone DFIG : Real-Time Validation
102	17:00- 17:20	<i>Messili Oualid ; Chaabna Abdelhani; Semcheddine Samia</i> ADM1-Guided Optimization of Anaerobic Digestion Model Parameters via Whale Optimization Algorithm
104	17:20- 17:40	<i>Chaabna Abdelhani; Semcheddine Samia</i> Structural Identifiability Analysis of Anaerobic Digestion Model Parameters Using Genetic Algorithm
137	17:40- 18:00	<i>Akram Adjal; Sebbagh Abdennour</i> Multi-agent system control based on first-order consensus algorithm
261	18:00- 18:20	<i>Hamouda Salim; Khelfi Hamid; Issaouni Salim; Rahal Hocine</i> Sensorless Speed Control of Induction Motor Using Sliding mode control and MRAS

Technical Program – Day 2

Oral Session

Oral Session C.2		Chairs
		Pr. H. Maayouf
		Pr. C. Zebiri
ID Paper	Time	Paper
50	11:20- 11:40	Gherbi Aicha; Messaoudene Idris; Belazzoug Massinissa; Chennouf Choumeysa; Hammache Boualem; Titouni Salam; Mansoul Ali Design of Beamforming Antenna Using Rotman Lens For 10GHz-Wireless Applications
108	11:40- 12:00	Fridjat Mohammed Elkamel; Sadaoui Djaouida Exploiting chaotic systems: Revolutionising the dynamics of modern engineering
241	12:00- 12:20	Mehenni Nor-Elhouda*; Khacha Sarra; Tighilt Yamina; Zegadi Rami; Zebiri Chemseddine Miniaturized Ultra-Wideband Rectangular Patch Antenna for Breast Tumor Detection
264	12:20- 12:40	Mohamed Lamine Bouknia*; Chahrazad Bensid; Elfergani Issa; Rodriguez Jonathan; Sayad Djamel; Zegadi Rami; Zebiri Chemseddine Design of a Novel mmWave Defected Ground Structure Based Elliptical Microstrip Patch Antenna for Body-Centric Communications
265	12:40- 13:00	Mekki Samira; Bendjedi Hanane; Zebiri Chemseddine; Mohamed Lamine Bouknia Three band cylindrical dielectric resonator antenna Array for WLAN and x-band applications
Oral Session P.2		Chairs
		Pr. L. Rahmani
		Pr. A. Bayadhi
ID Paper	Time	Paper
109	11:20- 11:40	Benhabsa Imadeddine ; Rahmani Alaa Eddine; Kouadri Ramzi; Slimani Linda A new Metaheuristic Method for Emission and Cost generation Reduction considering Stochastic Solar Power
113	11:40- 12:00	Badreddine Bendriss; Samir Sayah; Abdellatif Hamouda Jellyfish Search Optimizer for Optimal Planning of DG Units Considering Load Levels
116	12:00- 12:20	Zoughab Samir; Belhaouchet Nouri; Sayah Samir Efficient Control based on FL-MPPT and FCS-MPC with EKF for a Standalone Photovoltaic Water Pumping System using PMDC Motor Drive
124	12:20- 12:40	Rezaiguia Nora ; Aissa Oualid ; Talhaoui Hicham ; Abdelhalim Kessal; Reffas Abderrahim Design and Assessment of a New Smart Hybrid MPPT Strategy for Sustainable Solar System Application
146	12:40- 13:00	Mehiris Moussa Abderrahim; Talbi Billel; Messaoudene Idris; Mansouri Houssam Eddine; Krama Abdelbaset; Sahli Abdeslem FPGA-Based HIL Co-Simulation of Modulated Model Predictive Control for an LCL Filtered Grid-Tied Inverter

Oral Session Em.2

Chairs

Pr. L. Ziet

Pr. A. Bencheikh

ID Paper	Time	Paper
163	11:20- 11:40	<i>Gasmi Younes; Noureddine Bali; Karim Atif; Belagoune Soufiane</i> An Advanced Defense Mechanism for Detecting False Data Injection Attacks in Cyber-Physical Systems through Feature Selection Based-Machine Learning Algorithms
167	11:40- 12:00	<i>Samir Haddad; Rabah Chaker; Moussa Mohamed-Amine; Saci Lynda; Khezzar Abdelmalek</i> A Scalable Real-Time Monitoring System for East-West PV Systems Leveraging the Internet of Things
199	12:00- 12:20	<i>Saadouni Rafika*; Aliouat Zibouda; Gherbi Chirihane; Harbi Yasmine; Harous Saad; Khacha Amina</i> PSO-based Feature Selection for DDoS Detection using Machine Learning in Smart Agriculture
201	12:20- 12:40	<i>Bencheriet Chemesse Ennehar; Zentar Mohamed</i> Pedestrian Detection Techniques: A Concise Review
	12:40- 13:00	

Technical Program – Day 3

Poster Session

Poster Session		Chairs
		Dr. H. Afghoul
		Dr. O. Heddad
		Dr. R. Zegadi
		Dr. H. Bey
ID Paper	Time	Paper
197	10:00-13:00	Saoudi Achraf; Ali Chebabhi; Fellah Mohammed Karim; Abdelhalim Kessal; Benkhoris Mohamed Fouad; Rekioua Toufik Virtual complex impedance- based droop control for a parallel three phase inverters- based islanded microgrids
214		Mansouri Houssam Eddine; Talbi Billel; Messaoudene Idris; Mehiris Moussa Abderrahim; Krama Abdelbaset ; Sahli Abdeslem Enhancing Grid-Forming Inverters Operation in Islanded AC Microgrids through PR-Based Sliding Mode Control
159		Abdelmalek Ferial; Afghoul Hamza; Zabia Djallal Eddine; Bouzidi Belgacem Mohamed Nassim; Boukhdenna Alla; Krim Fateh; Krim Salah Anis; Lyamine Ouchen Experimental Implementation of Direct Power Control for a SAPF with a PI Controller Tuned Using Grey Wolf Optimization
42		Deridj Zineb; Abadli Salah; Kaghouche Bessem Characterization of ZnO thin film/electrolyte interface via Electrochemical Impedance Measurments
61		Rahmani Ibrahim; Ferhati Hichem; Djeflal Faycal ; Dibi Zohir Subthreshold Performance Assessment of Nanoscale Negative Capacitance Junctionless GAA MOSFETs
226		Ben Melouka Rania Ibtissam; Alaoui Nail; Kirech Sofian; Ouguissi Hadda; Ben Melouka Messaouda; Mashat Arwa Dipole antenna design for RFID technology at 2.45 GHz by using metamaterials
244		El Taani Rachda Improved Marine Predators Algorithm for Energy Efficient Placement of UAV-BSs
245		Bouchama Mohamed Prediction of the electrical permittivity of Kaolin at microwave from the binary composite (Resin-Epoxy Kaolin)
53		Soukkou Yassine; Khebbache Hicham ; Ammar Soukkou; Tadjine Mohamed; Nibouche Mokhtar Command filter-based adaptive backstepping controller for high-order uncertain nonlinear systems
112		Benabdellah Youcef; Wahiba Belgacem; Rabah Mohammed Amin A Study on the Evolution of VHTS Systems
228		Louda Souhaib; Karkar Nora; SEGHIR Fateh; Boutalbi Oussama Mobile Robot Path Planning Algorithm Based on A* Algorithm and Dynamic Window Approach for Autonomous Navigation
131		Benhalima Noureddine; Ouarzeddine Mounira; Souissi Boularbah; Bengusmia Djamel Machine Learning Models for Predicting Forest Canopy Height in the "Souariz, Dar Chioukh" Djelfa Region of Algeria Using Multisensor and GEDI Data

Oral Session

Oral Session C.3		Chairs
		Pr. M. Ayad
		Dr. T. Bekkouche
ID Paper	Time	Paper
133	10:20- 10:40	Nouara Boudouh; Mokhtari Bilal Random Optimization and Entropy-Based Data Augmentation for Image Classification and Analysis
139	10:40- 11:00	Latreche Sofiane; Hocine Bellahsene; Taleb-Ahmed Abdelmalik Optimizing UAV Trajectory for 5G/6G Service Support during Disaster Events using K-means Clustering and Rotation-based Algorithm
157	11:00- 11:20	Drif Mourad; Tellache Mohamed; Tounsi Mohamed Lamine An efficient Design of a Single RFID Check-in System Using Multiple Antennas
203	11:20- 11:40	Bouaza Abdelmaoula; Hamrioui Fatma Zohra; Touhami Rachida; Tedjini Smail; Jabbar Abdul; Performance of a Novel Military Shape Compact Tri-Band Textile Patch Antenna For Short Range Communications Applications
234	11:40- 12:00	Yamina Tighilt Dual-Band Dual-Polarization Printed Monopole Antenna For Wlan Applications
236	12:00- 12:20	Hamrioui Fatma Zohra; Bouaza Abdelmaoula; Touhami Rachida; Yagoub Mustapha; Azrar Arab A Dual-Band MIMO Monopole Antenna with Enhanced Isolation for Sub 6 GHz 5G Applications
251	12:20- 12:40	Mattoug Rania A Compact Single-Step Staircase-Shaped Implantable Antenna for Application Biomedical at 5.8 GHz
Oral Session P.3		Chairs
		Pr. A. Badoud
		Dr. O. Gherouat
ID Paper	Time	Paper
151	10:20- 10:40	Ouanes Slimane; Abderrahmane Halis; Hemsas Kamel Eddine; Bendali Chahrazad; Hitoum Houda Study of power transformer protection
160	10:40- 11:00	Mansouri Houssam Eddine; Mehiris Moussa Abderrahim; Talbi Billel; Messaoudene Idris Model Predictive Control for Improving Grid – Forming Inverters Operation in Islanded AC Microgrids
161	11:00- 11:20	Boussadia Ibtissem; Saoudi Kamel; Bouchama Ziad; Benziene Mourad; Griche Issam; Mouloud Ayad Backstepping Synergetic Control for a DC-DC Buck Converter
63	11:20- 11:40	Berroum Fawzia; Benidir Mohamed; Bouzeria Hamza Batteries Energy Storage System for DC Electric Rail Transit Systems
103	11:40- 12:00	Berroum Fawzia; Benidir Mohamed; Bouzeria Hamza An Intelligent Energy Control of a Grid Connected PV system with PWM-Inverter Fault-Tolerant Strategy to Maintain the Service Continuity
183	12:00- 12:20	Belaout Abdesslam; Benammar Abdessalem; Feroura Hamza; May Abdelouahad Improving Fault Classification in Photovoltaic Arrays through Sequential Temporal Assessment of Current and Voltage Characteristics
	12:20- 12:40	

Oral Session Inf.3

Chairs

Pr. A. Ferhat Hmida

Dr. H. Khouni

ID Paper	Time	Paper
32	10:20- 10:40	<i>Abdelkarim Chenait; Merouane Mehdi; Benachour Lina</i> Enhanced DDoS Attack Detection Using Advanced Deep Learning Techniques
41	10:40- 11:00	<i>Elhani Djenaihi; Megherbi Ahmed Chaouki</i> MPSO: Mutation-Enhanced Particle Swarm Optimization for CNN Architecture Optimization
49	11:00- 11:20	<i>Oudjida Abdelkrim Kamel; Liacha Ahmed; Oudjida Abdelkrim Kamel</i> A Windowing Booth Recoding Algorithm for the Constant Multiplication Problem
67	11:20- 11:40	<i>Mekhilef Khedidja; Abbas Fayçal ; Hemam Mounir</i> Advanced Data Augmentation Techniques for Improved Defect Detection in Industrial
86	11:40- 12:00	<i>Alilouche Ali; Bendoumia Redha; Guessoum Abderrezak</i> Performance Analysis of Improved Sub-band Sparse Adaptive Algorithm for Acoustic Channel Identification
87	12:00- 12:20	<i>Baali Mehdi; Bourbia Nadjla; Kamel Messaoudi; Bourennane El Bey</i> Implementation of Image Processing Platform on Low-cost ZedBoard FPGA Using Xilinx-Vivado

Oral Session Ct.3

Chairs

Dr. N. Karkar

Dr. H. Feroura

ID Paper	Time	Paper
70	10:20- 10:40	<i>Khettache Laid; Djeflal Faycal ; Ferhati Hichem</i> Optimal Speed Control of Dual-star Linear Induction Motor based on Particle Swarm Algorithm
89	10:40- 11:00	<i>Zouai Mohamed; Aggoun Lakhdar; Chetouani Yahya</i> Extended Six-Stage Recursive Least Squares Algorithm for linear Box Jenkins MISO model: Application To Distillation Unit
123	11:00- 11:20	<i>Tadjine Katia; Taraft Saci; Ziani Rekioua Djamil</i> New Power Control Approach to Improve the Power Quality of a Grid-Connected Wind Turbine
147	11:20- 11:40	<i>Messaoudi Khaled; Sofiane Doudou</i> Robust Prescribed Time Backstepping for Stabilization and Tracking of 2-DOF Twin Rotor Model
170	11:40- 12:00	<i>Messali Rouaida Rouaida; Laarem Guessas</i> synchronization between two different fractional chaotic systems using particle swarm optimization PID-controller
191	12:00- 12:20	<i>Ouatah El Hanafi</i> Effect of the Applied Voltage and the Active Electrode Geometric Parameters on the Characteristics of Negative Corona Discharge
200	12:20- 12:40	<i>Amrane Someya; Boudjedir Chemseddine; Boukhetala Djamel</i> Time-Delay Control for Trajectory Tracking of a Delta Robot with Fractional-Order Nonsingular Sliding Mode
232	12:40- 13:00	<i>Shashoa Nasar Aldian</i> Two-Stage Recursive Least Squares Algorithm for Two-Input Single-Output Systems Auto – Regressive Systems for Parameter Estimation

Virtual Session

Virtual Session V_C.3			Chairs
ROOM 1 : https://meet.google.com/dwe-sghr-qtq			Pr. D. Slimani
			Dr. S. Laib
			Dr. S. Mokhnache
ID Paper	Time	Paper	
119	14:00- 14:20	Djellouli Meryem Romaissa Exploring the Equivalence of MF-TDMA and OTDM-WDM: A Comparative Study and Prospects for Integration in DVB-RCS2 Networks	
153	14:20- 14:40	Zafrane Mohammed Amine; Mebrek Mohammed Ali ; Mokhtari Ahmed Ridha ; Berrabah Hadil Halima; Chebbah Imene A Comprehensive Solution for Satellite/Uplink and Downlink Budgeting	
190	14:40- 15:00	Zebiri Khaled Extended Order Statistic CFAR Detector in Presence of interfering targets in Log-Normal Clutter	
230	15:00- 15:20	Belaoura Widad; Oukhaf Bouchra; Lawson Marc Performance Enhancement of IRS-Aided Coded Index Modulation for D2D Communications Systems	
268	15:20- 15:40	Salhi Aissa; Maouni Seifeddine; Elfergani Issa; Zebiri Chemseddine; Rodriguez Jonathan; Gil-Castiñeira Felipe; Alfitorey Mousa Younes; Varshney Atul Kumar Design of a Compact UWB SISO Antenna for Enhanced Wireless Communication Systems	
270	15:40- 16:00	Maouni Seifeddine; Salhi Aissa; Elfergani Issa; Zebiri Chemseddine; Rodriguez Jonathan; Gil-Castiñeira Felipe; Varshney Atul Kumar; Alfitorey Mousa Younes Miniaturized Biomedical Wearable Patch Antenna design with Low SAR Content	
Virtual Session V_P1.3			Chairs
ROOM 2 : https://meet.google.com/wsj-qthm-rcf			Pr. A. Hamouda
			Pr. S. Sayah
			Dr. O. Gherouat
ID Paper	Time	Paper	
192	14:00- 14:20	Ababsia Houria Application Of Fuzzy Logic Control To Improve The Power Stability System Using A Unified Power Flow Controller	
202	14:20- 14:40	Benamrane Alik; Djamel Maadjoudj; Teguar Madjid; Mekhaldi Abdelouahab Cost Optimization Of Grounding System For Hv Substation Of Ain El-Melh Using M-Bco	
205	14:40- 15:00	Sahnoune Mohamed Ayoub; Chakkem Ibrahim Deep Learning for Partial Discharge Classification: A CNN-Based Approach	
206	15:00- 15:20	Mebarek Abdessalem Ryad; Leila Merabet; Chouaib Rahli; Mohamed Toufik Benchouia Active Current Method-Based Adaptive Linear Filter For Five-Level Neutral Point Clamped Shunt Active Power Filter	
208	15:20- 15:40	Ramdani Madjeda Design Study Of A Solar-Powered Hydrogen Fuel Station In The Ouargla Region	
215	15:40- 16:00	Sahnoune Mohamed Ayoub; chakkem ibrahim; Zegnini Boubakeur; Mahdjoubi Abdelhalim Enhancing Power Grid Reliability: Comparative Analysis of YOLO Models for Insulator Fault Detection	

Virtual Session V_P2.3

ROOM 3 : <https://meet.google.com/xhr-pbcu-tdu>

Chairs

Pr. N. Khenfer

Pr. H. Redjai

Dr. M. Khitas

ID Paper	Time	Paper
216	14:00- 14:20	<i>Belhouchet Khaled; Ouchen Lyamine; Amroune Mohammed</i> Application of Grey Wolf Optimizer for Predictive Maintenance and Optimization of High Voltage Insulators
223	14:20- 14:40	<i>Kouba Nour El Yakine; Amel Brik; Boudoucha Aimad</i> Optimal Multi-Stage Design of Frequency Control and Load Shedding for Islanded Microgrid with Multiple Distributed Power Sources
246	14:40- 15:00	<i>Kaouane Mohamed; Derouèche Manar; Boukhefifa Akkila</i> Power Maximization Technique for Wind Energy Conversion System
253	15:00- 15:20	<i>Arabi Marwa; Zennir Youcef</i> Enhancing MPPT Control of Variable Wind Turbines: A Comparative Study of Optimal PI Controllers with the Novel GJO algorithm and the PSO and HHO algorithms
262	15:20- 15:40	<i>Khelfi Hamid; Hamouda Salim; Hamdani Samir ; Kamel Kassa Baghdouche; Ammari Zineb; Attab Abdelkader</i> Enhanced Diagnosis of Broken Rotor Bars in Induction Machines Using Combined Envelope and Maximum Likelihood Estimation Approach
171	15:40- 16:00	<i>Itouchene Hichem; Boudries Zoubir; Amrane Fayssal; Thounthong Phatiphat</i> Improving the Dynamic Response and Power Quality in Wind Turbine-DFIG Systems using the Super Twisting Algorithm
267	16:00- 16:20	<i>Itouchene Hichem; Amrane Fayssal; Boudries Zoubir; Thounthong Phatiphat; Issaadi Idris</i> Design of a Robust Controller using Lyapunov Function for DFIG Wind Turbines

Virtual Session V_Em.3

ROOM 4: <https://meet.google.com/tvb-uuuk-thy>

Chairs

Pr. A. Soukkou

Pr. L. Ziet

Dr. Y. Slimani

ID Paper	Time	Paper
132	14:00- 14:20	<i>Sebbah Raouf; Chelali Fatma Zohra</i> Using Machine Learning and Deep Learning for Static and Dynamic Hand Gesture Recognition
134	14:20- 14:40	<i>Hamel Oussama; Fareh Messaouda</i> Deep Learning-based Erroneous Data Detection in Linked Data Context Using LSTM and Embeddings
155	14:40- 15:00	<i>Lahoual Yassine; Sofiane Doudou</i> Optimized Integral LQR Control For 2-DOF Helicopter Using Adaptive PSO And LMIs
173	15:00- 15:20	<i>Hadri Khoussa Ghalem</i> Characterising solar cell through Remote Virtual Reality Laboratory
	15:20- 15:40	
	15:40- 16:00	

Virtual Session V_Md.3

ROOM 5 : <https://meet.google.com/qvp-qfpv-mxo>

Chairs

Pr. N. Bourouba

Pr. N. Bouzit

Dr. A. Gamoura

ID Paper	Time	Paper
22	14:00- 14:20	<i>Boukounacha Ahmed Yassine; Zegnini Boubakeur; Yousfi Belkacem; Seghier Tahar</i> Numerical Study of the Effect of Nanoparticle Shape on the Thermal Conductivity of Mineral Oil-Based Nanofluids Used in Power Transformers
36	14:20- 14:40	<i>Aissat Abdelkader</i> Impact of the Band Structure Parameters on the Optical Gain in InxAl1-xAs/GaAs Quantum Well Structures
88	14:40- 15:00	<i>A Maoucha; Djeflal Faycal; Ferhati Hichem</i> Optimization and Performance Enhancement of Lead-Free FASnI3 Perovskite Solar Cells through Metaheuristic Methods

Virtual Session V_Ct.3

ROOM 5 : <https://meet.google.com/qvp-qfpv-mxo>

Chairs

Pr. F. Krim

Dr. K. Manallah

Dr. W. Mohguen

ID Paper	Time	Paper
6	15:00- 15:20	<i>Tamissa Younes ; Kadri Farid; Charif Fella; Benchabane Abderrazak</i> Diagnosis and Pattern Recognition of Open Circuit Faults with Inverter Reconfiguration in Direct Torque Control of Induction Motor Drive Using Neural Networks
7	15:20- 15:40	<i>Tamissa Younes ; Benchabane Abderrazak ; Charif Fella; kadri farid</i> Diagnosis Multiple Open-Circuit Faults in Neural Direct Torque Control of Induction Motor Drive Using Neural Networks
125	15:40- 16:00	<i>Stiti Chafea; Benrabah Mohamed ; Aouaichia Abdelhadi ; Kara Kamel</i> Enhanced Neural Network Model Predictive control based on TLBO algorithm: Applied to speed control of PMSM