TUESDAY OCTOBER **28**, 2025

Auditorium

8h00		RECEPTION & REGISTRATION
8H30		OPENING CEREMONY Representative of Ibn Badis University of Mostaganem Representative of the Faculty of Science and Technology Representative of the local authorities Representative of Conference Organizers
CAP-HYPROC Auditorium		KEYNOTE SPEAKERS **Moderator** **Prof. Cherif BENOUDJAFER (Univ. Bechar)**
09H00		**Dr. Abdallah KHELLAF** CDER, Bouzaréah, Alger. ALGERIA Overview of artificial intelligence applications in hydrogen chain value
09H45		**Pr. Adel MELLIT** Seddik Benyahia University, Jijel. ALGERIA The role of artificial intelligence in advancing the solar energy sector: Bridging the gap between academic research and industry
10H30 – 11H00		COFFEE BREAK offered by FST-Mostaganem
12H15		**Dr. Benameur NEHAR** Abou Bekr Belkaid University, Tlemcen. ALGERIA Cultivating Global and Smart Citizenship through Virtual Exchange on the UN SDGs in Higher Education
Online 01H00		**Dr. Gokul PANDY** IEEE-SM, Richmond section chair, USA meet.google.com/mrf-syzy-hch Revolutionizing Client Service Agreements: Selenium-Driven Open-Source Robotics Process Automation
11H00 12H00		POSTER SESSION-1- CAP-HYPROC Hall **Moderators: Prof. Youcef SOUFI (Univ. Tebessa); Mr. Kheireddine MERHOUM (UMBB)**
AI-Based Optimization and Control Systems **Prof. Abdelghani AISSAOUI (Univ. Bechar); Dr. Abdelkader HADJ DIDA (ASAL-Oran)**		
11H00	**22**	- Souad TAHRAOUI *AI-Powered Fault Diagnosis in Dynamic Systems with Tornado Algorithm Optimization*
11H10	**29**	- Azeddine BELOUFA *PSO-Optimized High-Gain Observer-Based Backstepping Control for TRMS Trajectory Tracking*
11H20	**191**	- Fatima Zohra MEDJAOUI *Experimental Validation of a Square Planar Micro-Coil Model*

11H30	**218**	- Nawres BOUAM *Optimization of Robotic Navigation for Safety and Efficiency in the Oil and Gas Industry Using the A* Algorithm*
11H40	**149**	- Soumia TOUAMI *Control of Brushless Doubly-Fed Generator BDFIM using Neuro-fuzzy Controllers*
Photovoltaic Systems and MPPT Techniques **Prof. Abdelghani HARRAG (Univ. Setif); Dr. Fatima BOUTLILIS (Univ. Mostaganem)**		
11H00	**106**	- Amel ABBADI *Enhanced Accuracy in Estimating PEM Fuel Cell Parameters Using the Walrus Optimization Algorithm*
11H10	**216**	Yamina BELGAID *Optimal tuning of a PI controller using the Particle Swarm Optimization (PSO) algorithm for wind turbine applications*
11H20	**147**	- Khadidja DERBALI *Optimization of the Solar Cell Double Diode Model Estimation Using the Dung Beetle and Arctic Puffin Optimizers with Lambert-W Function and Newton-Raphson Methods*
11H30	**134**	- Fethia HAMIDIA *Enhanced MPPT Algorithms for PV Panels: Review and Comparative Analysis*
11H40	**188**	- Fatima SALHI *A Comparative Analysis of MPPT Techniques for Grid Connected PV System*
11H50	**209**	- Fatima SALHI *Photovoltaic Pumping System Based On MPPT-DNN*
12H00	**194**	- Mokhtaria DERKAOUI *Stand Alone Photovoltaic Module with an Integrated On-Chip Circular Spiral Inductor*
Power Electronics and Advanced Converters **Prof. Mouloud DENAI (ESGEE-Oran) ; Dr. Fethi AKEL (UDES-CDER)**		
11H00	**183**	- Oqeyl DJEBOURI *A Performance Analysis of a High-Gain three Phase Interleaved Boost Converter with Switched Capacitor Network for Photovoltaic Systems under Different Environmental Conditions*
11H10	**132**	- Brahim LACHI *Direct Torque Control (DTC) of a Synchronous Drive Using a Three-Level NPC Inverter in an Electric Traction Application*
11H20	**150**	- Abdelkader RABAH *A Novel Method for Inverter Open-Circuit Fault Diagnosis Using Improved Variational Mode Decomposition*
11H30	**116**	- Oqeyl DJEBOURI *A Comparative Evaluation of Metaheuristic Algorithm Using Two Different Simulation Current Calculation Methods for Extracting Photovoltaic Single-Diode Model Parameters*
11H40	**138**	- Kada BECHAREF *Development of a Compact Wideband Bandpass Filter Incorporating Complementary Interdigital Resonator E (CIRE) on a Half-Mode Substrate Integrated Waveguide Coupled with Corrugated Structures*
13H30-14H30	POSTER SESSION -2-	CAP-HYPROC Hall
Moderators: Prof. Youcef SOUFI (Univ. Tebessa); Mr. Kheireddine MERHOUM (UMBB)		
Hybrid Energy Systems and Storage Technologies **Dr. Rafika BOUDRIES (CDER Bouzareah); Dr. Missoum IBRAHIM (Univ. Mostaganem)**		
13H30	**42**	- M'hamed SEKOUR *Energy Management in a Hybrid Fuel Cell–Battery–Supercapacitor System for Drone*
13H40	**130**	- Abdeldjalil DAHBI *An Experimental Study of a Stand-alone Hybrid system installed in Adrar*
13H50	**172**	- Henia FRAOUCENE *Effect of Rectifier load resistance on the RF received Wake-up Signal at 2.45 GHz*
14H00	**220**	- Abdallah BOUAM *Experimental Feasibility Study of a Cogeneration System Based on the Coupling of a Vortex Tower and NPP Cooling System for Sustainable Energy Production*

14H10	**7**	- Rachid KHELFAOUI *Smart Control and Energy Optimization of a Solar-Driven Absorption Cooling System in Béchar (Algerian Sahara)*
Smart Agriculture and IoT Applications **Prof. Baghdad HADRI (Univ. Mostaganem) Prof. Saliha AREZKI (USTHB Algiers)**		
13H30	**49**	- Zoubir BELGROUN *Development of an ontology-based solution to agricultural semantics*
13H40	**50**	- Zoubir BELGROUN *A Smart Solution for Monitoring Greenhouses Utilizing the Internet of Things*
13H50	**101**	- Mouloud TIZZAOUI *Design Considerations for a Stand-Alone PV-Powered Evaporative Cooling of Greenhouse in the Saharan Environment*
14H00	**27**	Ali BOUZIANE *Clean Combustion Modeling of Premixed DME Flames with LES: A Step Toward RCCI-Compatible Fuels for Green Mobility*
14H10	**204**	- Tewfik LAMRANI *Advancements and Challenges in Multimodal RFID Sensors: From Industrial IoT to Smart Applications*
14H20	**165**	- Mokrane MEHDI *Enhancing Energy Efficiency in Domestic Refrigerators: Experimental and Statistical Evaluation of Phase Change Material Integration*
Energy Forecasting and Predictive Maintenance **Prof. Mohamed Arezki MELLAL (Univ. Boumerdes) Dr Mohamed BENZIDANE (Univ. Mostaganem)**		
13H30	**222**	- Dalila CHERIFI *Predictive Maintenance of Wind Turbines Using Machine Learning: Addressing Fault Detection with SCADA Data*
13H40	**155**	- Walid BOUKERNE *Study and Implementation of an End-to-End OFDM-Based Data Transmission System Using SDR*
13H50	**113**	- Kacem GAIRAA *Intra-Hour Solar Irradiance Forecasting Based on Feature Selection Techniques*
14H00	**159**	- Lamia MAY *A Dynamic Stress-Reset Model for maintenance Optimization Integrating Physics-Informed Fatigue Accumulation and Resource-Aware Intervention Efficiency*
14H10	**196**	- Abderrahmane KHELFAOUI *Solar Declination Measurement Test and Comparison with Declination Tables and Theoretical Methods*
Thermal Systems and Advanced Energy Technologies **Dr. Mohamed AYAD (UDES); Dr. Slimane SOUAG (Univ. Mostaganem)**		
13H30	**181**	- Amina Lyria DEGHAL *Numerical and Analytical Study of the Influence of Geometrical Parameters on the Performance of a Vortex-Type Cooling Tower*
13H40	**219**	- Amel DADDA *Influence of Chimney Geometry on Coriolis Force Generation in a Vortex Tower Prototype*
13H50	**186**	- Ridha ALLICHE *Dimensionless Analysis and Correlation of Nusselt Number in a Regenerator-Free LTD Stirling Engine*
14H00	**127**	- Kheira BELHAMIDECHE *The effect of heat transfer fluid flow rate and heat exchanger installation depth on the performance of low enthalpy geothermal energy*
14H10	**109**	- Abdellah MEKEDEME *Modeling and Simulation of Herschel-Bulkley Drilling Fluids in Vertical Boreholes with Rotating Bits*
14H30 – 15H30		LUNCH

REMOTE SESSION		
ROOM A-1-28		**Dr. Akshay SHARMA (SM-IEEE); Dr. Hadj Larbi BEKALOUZ (Univ. Mostaganem)** :: meet.google.com/mrf-syzy-hch
15H30	**33**	-Hamza BENYEZZA IoT-Based Platform for Monitoring and Managing Fuel Delivery Trucks
15H45	**58**	- Ahmed BOURAIOU Design of Sustainable IoT-Based Weather Monitoring
16H00	**85**	- Lynda OUZANE *Design and simulation of a smart energy meter for real time monitoring*
16H15	**96**	- Faycal BENYAMINA *Enhanced LVRT Control of Grid-Tied Inverters under Unbalanced Grid Faults Using Notch Filter-based Sequence Extraction*
16H30	**137**	- Halima MAHIDEB *Indoor and Outdoor Air Quality Monitoring with IoT-AI Technologies: Current State and Integration Challenges*
ROOM B-1-28		**Prof. Amel ABBADI (Univ. Medea); Dr. Sakina ATOUI (UDES-CDER)** :: meet.google.com/nzt-jvxh-icq
15H30	**60**	- Mustapha MEROUAH Enhanced MPPT in PV Systems Using k-Nearest Neighbors and Integral Backstepping Control
15H45	**64**	- Hizia ABED Real time identification of the parameters of a photovoltaic panel by ant colony optimization in the continuous domain
16H00	**94**	- Ryma LEBIED Robust Solar System with Different advances techniques
16H15	**98**	- Samah BOUAROUDJ Novel High Efficiency ZCS DC/DC Interleaved Boost Converter For Photovoltaic Solar System
16H30	**206**	- Alla Eddine TOUBAL MAAMAR A simple and accurate script to simulate solar panel models at variable environmental conditions of temperature and irradiation
ROOM A-2-28		**Prof. Lamia HAMZA (Univ. Bejaia); Dr. Anup KAGALKAR (SM-IEEE)** :: meet.google.com/mrf-syzy-hch
17H00	**25**	- Amina MAZIGHI *Innovation in infiltration estimation: From empirical model to AI-based solutions*
17H15	**37**	- Sonia BAAZIZ *AI-Assisted Design and Characterization of a Novel Cytosine-Based Hybrid Material for Renewable Energy Applications*
17H30	**76**	- Abdesselem BEGHRICHE *AI-Driven Smart Management and Optimization of Green Hydrogen Production in Renewable Energy Grids Using Bio-Inspired Algorithms and Edge Computing*
17H45	**158**	- Sara OUARTI *A Hybrid Deep Learning Approach for Anomaly Detection in Smart Grid Systems*
18H00	**199**	- Mohamed ADAIKA *Intelligent Fault Detection in Transformer Magnetic Oil Level Indicators Using Machine Learning for Smart Renewable Grids*
ROOM B-2-28		**Prof. Fethia HAMIDIA (Univ. Medea); Dr. Nouamen KELLIL (UDES-CDER)** :: meet.google.com/nzt-jvxh-icq
17H00	**43**	- Mokhtar Mahmoud MOHAMMEDI *SMO Speed Sensorless Fault Assessment Technique Based on DFIG-WECS*
17H15	**104**	- Mourad NAIDJI *A Novel Nature-Inspired Approach for Wind Farm Location Optimization Considering Wake Effects*
17H30	**115**	- Hadjira MECHRI *Efficient Wind Energy Extraction and Fault Detection in a PMSG-Based WECS with NPC Inverter*
17H45	**153**	- Lakhdar SAIHI *Fuzzy Logic Control of Variable-Speed Wind Turbine Base on DFIG*
18H00	**92**	- Samira HADIBI *Impact of System Complexity on the Nonlinear Dynamics of Coupled Axial-Torsional Drilling Models*
COFFEE BREAK		

WEDNESDAY OCTOBER 29, 2025

INTERNET OF THINGS :: meet.google.com/mrf-syzy-hch **RooM A** — **Prof. Abdellah CHAOUCH (Univ. Mostaganem); Dr. Fatiha BECHIRI (Univ. Mostaganem)**		
08H00	**162**	- Rafika BOUDRIES *Methanation of CO_2 Removed From Raw Natural Gas for Smart Urban Centers in the In-Salah Region*
08H20	**74**	- Ibtissam CHEKKAL *Artificial Intelligence Applications for Indoor Thermal Comfort in Residential Buildings: A Scoping Review of Early Design Methods*
08H40	**17**	- Farouk BENAHMED *Home Monitoring System using IoT and Deep Learning model*
09H00	**177**	- Imane YAHIAOUI *State of Health Estimation of Lithium-Ion Batteries in Electric Vehicles*
ELECTRICAL VEHICLE & CONTROL :: meet.google.com/nzt-jvxh-icq **RooM B** — **Prof. Emrt Fateh KRIM (Univ. Setif); Dr. Mansour ABED (Univ. Mostaganem)**		
08H00	**81**	- Abdelmoumene TOUABI *A Concise Survey on Neural Networks Compression Techniques*
08H20	**175**	- Chahrazad BENGANA *AI-Based Fault Detection for PDC Bit Wear Monitoring Using Random Forest Classification*
08H40	**135**	- Sarah Kawther SEDJAR *Intelligent Optimization and Modeling of Miniaturized Photovoltaic Cells for Embedded Applications using Hybrid AI Techniques*
09H00	**14**	- Fatna LAZGHEM *Artificial intelligence and plant disease detection: A critical analysis of advances, challenges and strategies for resilient agriculture*
GRID-CONNECTED CONTROL SYSTEMS:: meet.google.com/mrf-syzy-hch **RooM A** — **Prof. Katia KOUZI (Univ. Laghouat) ; Dr. Saliha REZINI (Univ. Mostaganem)**		
09H30	**110**	- Oussama HARROUZ *Short-Term PV Power Forecasting Using LSTM: A Case Study of grid-connected PV system in Adrar City*
09H50	**213**	- Amira LAGHOUATI *A Novel Method for Cost-Effective Green Hydrogen Production Using Sound Wave-Assisted Electrolysis*
10H10	**161**	- Fayçal Hadj Mihoub SIDI MOUSSA *Modeling and Control of a Grid-Connected Hybrid Wind-Photovoltaic System with a PMSG-Based Wind Turbine and PSO-MPPT Algorithm for the PV Array*
10H30	**65**	- Toufik TRIF *Photovoltaic and Wind Power Forecasting Using LSTM Networks with Adaptive Hyperparameter Tuning*
ENERGY MANAGEMENT & MATERIALS in RENEWABLES :: meet.google.com/nzt-jvxh-icq **RooM B** — **Dr. Merzak FERROUKHI (USTHB, Algiers) ; Dr. Saadiya BENATMANE (Univ. Mostaganem)**		
09H30	**128**	- Idriss Hadj MAHAMMED *Estimating Power Outputs of Thin Film CIS PV Modules Using Neuronal Approach: A case Study in Arid Environment*
09H50	**152**	- Walid REZIG *Biomass Diatomite-Supported Ferrihydrite Silicide Hybrid Granule Catalyst TiO2: Synthesis and Evaluation for Photocatalytic Dye Removal*
10H10	**19**	- Abdelkarim CHERHABIL *Metaheuristic Approaches for Medical Image Denoising*
10H30	**129**	- Ayoub MEGHEBBAR *When Machines Speak Human: Detecting Computer Generated Reviews Using Transformer Models*
10H50	**13**	- Nadir MAHAMMED *Fake no More: Smarter Social Media Detection With RTGBO*
COFFEE BREAK		

RooM A	**SMART ENERGY MANAGEMENT & IoT :: meet.google.com/mrf-syzy-hch**	**Prof. Adel MELLIT (Univ. Jijel); Dr. Leila GHOMRI (Univ. Mostaganem)**
11H30	**221**	- Saliha AREZKI *Hybrid Simulation-Experimental Framework for Dynamic PV Reconfiguration in Agricultural Applications with Real-Time IoT Supervision*
11H50	**68**	- Abderrahmane HALLOUI *A Review on Optimized Task Offloading Strategies in Fog Computing and IoT*
12H10	**87**	- Mohammed BEKHTI *Comparative Techno-economic and environmental performance of Standalone hybrid energy systems for Telecommunications Towers: A Case study of the African Unity Road in Southern Algeria*
12H30	**141**	- Mansour BENDREF *AI-Driven Real-Time Adaptive Beam Steering for 5G Fixed Wireless Access Antenna Systems*
RooM B	**ELECTRICAL NETWORK CONTROL :: meet.google.com/nzt-jvxh-icq**	**Prof. Benaissa BEKKOUCHE (Univ Mostaganem); Prof. Cherif BENOUDJAFER (Univ. Bechar)**
11H30	**54**	- Seif Elislam CHELLI *Proportional resonance controller versus PI controller performances of PWM controlled rectifier connected to an unbalanced three-phase grid voltages*
11H50	**11**	- Zana KARI *The Interest of Shielding for Integrated Inductance*
12H10	**59**	- Abdelhak FLIH *HVDC fault location using Artificial Neural Network method*
12H30	**117**	- Samia SAIB *Improvement of the performance of the electrical network by the integration of FACTS devices*
12H50	**131**	- Tahani nor el Houda TSRIAT *Performance Analysis of Adaptive P&O, ANN and PSO Based MPPT Algorithms for Photovoltaic Systems*
13H00 – 14H00		LUNCH
RooM A	**STORAGE and ELECTRICAL VEHICLE :: meet.google.com/mrf-syzy-hch**	**Prof. Hadj Adda BENTOUNES (Univ. Mostaganem); Prof. Mohamed Arezki MELLAL (UMBB)**
14H00	**139**	- Bouziane BOUSSAHOUA *A New Priority List Algorithm for power system unit commitment problem solution*
14H20	**182**	- Aissa HAMLAT *Advanced Non-Linear Control Designed for Fuel Cell/Super-Capacitor Hybrid Electric vehicle*
14H40	**212**	- Houaria NEDDAR *Towards a Decarbonized Life: Impact of Fuel Cell Performance Parameters*
15H00	**123**	- Wiame GUENAYA *Evaluating The Performance of NMC and NCA Battery Technologies for Electric Vehic*
15H20	**223**	- Salim DJAHFA *Estimating parameters values of battery lead-acid using Simulink Design Optimization*
RooM B	**ENERGY MANAGEMENT & MICROGRIDS :: meet.google.com/nzt-jvxh-icq**	**Prof. Mostefa RAHLI (USTO); Dr. Khadidja BERADJA (Univ. Mostaganem)**
14H00	**168**	- Zohra OUCHIHA *Effect of EGV cluster on working 2-blade Savonius rotor*
14H20	**154**	- Randa BENKHELIFA *Adaptive Preprocessing for Improving Early Detection and Classification of Anomalies on Photovoltaic Panels*
14H40	**89**	- Djamel SELKIM *Optimal Power Management and Control of Islanded Microgrid to Prevent Under-Frequency Load Shedding During Load Variations*
15H00	**133**	-Hadj Abderrahim MEBARKI *Space Vector Modulation Control of a Three-Level NPC Inverter*
15H20	**184**	- Ahmed DAHIA *Numerical study of the behavior of air flow circulation through Novel Vortex Tower Prototype using CFD code*

15H40	**192**	- Fatna BAHLOULI *Heat Dissipation Strategies for Planar Inductive Components*
COFFEE BREAK		
THURSDAY 30 OCTOBER 2024		
Welcome COFFEE & TEA		
RooM A-1-30		**Intelligent Control Systems for Renewable Energy::** meet.google.com/mrf-syzy-hch **Dr. Kheyreddine DJOUZI (UMBB) ; Dr. Aoued MEHARRAR (Univ. Tissemssilt)**
9H00	**88**	- Kheira MENDAZ *Artificial Neural Proportional Integral control Wind Turbine Based Doubly Fed Induction Generator*
9H15	**32**	- Nesrine NESRINE *Dual-Loop Control Strategy for a Standalone PV Boost Converter Using PSO-Tuned PI and Model Predictive Current Control*
9H30	**148**	- Mohammed Kabir BOUMEGOUAS *Robust Nonlinear Control for Buck-Boost Converter Using Sliding Mode Control For Battery Storage System of Electric Vehicle*
9H45	**121**	- Amina Dounia BABOU *Genetic Algorithm Enhanced Backstepping for Real-time Trajectory Tracking of a Twin Rotor MIMO System*
10H00	**151**	- Habiba HOUARI *Advancing PID Control Quarter-Car Suspension System with Metaheuristic Optimization Comparative Study*
RooM B-1-30		**AI-Based Fault Detection and Diagnostic Systems::** meet.google.com/nzt-jvxh-icq **Dr. Bhushan B. CHAUDHARI (IEEE-SM, India); Dr. A. TAMILSARAN (India)**
9H00	**40**	- Fatima Zohra BOUDJELLA *Hybrid Approach for DGA Diagnosis of Transformers: Comparison of Supervised Classifiers with Advanced Preprocessing*
9H15	**83**	-M. ALLAM *Intelligent Control of a doubly fed induction generator for wind energy conversion systems in variable speed*
9H30	**70**	- Abderrahmene MOKHTARI *Neural Network Sliding Mode Observer Based Fault diagnosis for Wind Turbine Benchmark Model*
9H45	**173**	- Ahmed DJERBOUB *Intelligent Fault-Tolerant Control for Boost Converter IGBT Failures Using SVM within PV-Integrated Four-Leg SAPF Systems*
10H00	**197**	- Mohamed ADAIKA *Deep Learning-Based Detection of Environmental Faults in Photovoltaic Systems under Dust and Humidity Conditions*
RooM C-1-30		**Electric Vehicles and Advanced Motor Drives::** meet.google.com/siz-ewma-buv **Prof. Mounir BOUHEDDA (Univ. Medea); Dr. Ahmed MEDIANI (CDER)**
9H00	**4**	- Nawal TOUHAMI *Classification of Electric Vehicles: A Comprehensive Overview*
9H15	**28**	- Norediene AOUADJ *Independent Control with MTPA-DTC of Five-leg inverter-dual IPMSM motors powertrain used in Vehicle propulsion system*
9H30	**52**	- Norediene AOUADJ *Enhanced Direct Torque Control of PMSM Drives for Electric Traction Systems: A Comparative Study Between Classical DTC and a Hybrid Fuzzy Logic–SVM Approach*
9H45	**71**	- Mohamed MILOUDI *AI-Driven EMI Analysis and Experimental Measurement in DC Motor Drives: Comparative Study of Chopper Topologies for Enhanced Electromagnetic Compatibility*
10H00	**75**	- Justin MOSKOLAI NGOSSAHA *Next-Generation Urban Mobility for Developing Countries:AI-Supported Digital Twin Framework*

10H15	**102**	- Abdelkader MERAH *Finite-Horizon LQR and Kalman Estimator Design for Robust Lateral Dynamics Control in Autonomous Driving*
COFFEE BREAK		
RooM A-2-30		**Smart Grid Systems and Power Quality::** meet.google.com/mrf-syzy-hch **Pr. Houaria NEDDAR (Univ. Mostaganem); Dr. Abdelhakim IDIR (Univ. M'sila)**
11H00	**12**	- Khadidja MEDJDOUBI *Study of a Hybrid UPQC with Intelligent Control*
11H15	**16**	- Khadidja MEDJDOUBI *Improving energy quality with renewable energy sources integrated into Algeria's southwest grid*
11H30	**111**	- Abderrezzaq ZIANE *Secure and Scalable Framework for Real-Time Net Metering in Smart Grids*
11H45	**178**	- Boubakar FARADJI *Comparative Study of Centralized and Decentralized Electrical Network Configurations for Equal Installed Power Capacity*
12H00	**142**	- Lakhder AYHAR *Comparative Study of Synchronization Techniques for Grid-Following Inverters*
RooM B-2-30		**IoT and Wearable Smart Systems::** meet.google.com/nzt-jvxh-icq **Dr. Satish KABADE (IEEE-SM, India); Dr. Meriem DJEZZAR (Univ. Khenchela)**
11H00	**62**	- Sabrina MEHDI *Internet of Wearable Things Systems: A Comprehensive Analysis of Development Challenges and Characteristics*
11H15	**169**	- Rania DJEHAICHE *Smart Environment Management Using Dual IoT/M2M Platforms*
11H30	**205**	- Adil BAKRI *Forest Fire Detection using Sensor Networks and Mobile Communication Systems*
11H45	**215**	- Adil BAKRI *A Wearable Smart Glasses Approach for Real-Time Driver Drowsiness and Fatigue Detection to Improve Road Safety*
12H00	**190**	- Ibrahim ALDREES *Giving a Voice: A Novel Approach Combining Visual and Product-based Applications to Sign Language Translation*
12H15	**125**	- Mohamed Ilyas RAHAL *Towards Smart Automation: An IoT-Integrated Control Strategy for Industry 4.0*
RooM C-2-30		**AI for Transportation and Autonomous Systems::** meet.google.com/siz-ewma-buv **Dr. Rajaganapathi Rangdale Srinivasa RAO (IEEE-M), India; Dr. Mokhtar ABBASSI (Tunisia)**
11H00	**9**	- Abdelkader MEKKAOUI *A New Differential Evolution-based Routing Protocol for Surveillance Drones in Urban Areas*
11H15	**55**	- Chaima AYACHI AMAR *Reinforcement Learning for Energy-Aware Vehicle Routing in Renewable-Powered Microgrid Systems*
11H30	**67**	- Fathi Rezzag AOUID *Robust Palmprint Authentication Using Curvature-Enhanced Bifurcation Coding*
11H45	**75**	- Justin MOSKOLAI NGOSSAHA *Next-Generation Urban Mobility for Developing Countries:AI-Supported Digital Twin Framework*
12H00	**179**	-Badia KLOUCHE *Artificial Intelligence-Based Approaches for Misinformation Detection: A Case Study of Ooredoo's Corporate Innovation Strategy*
12H15	**217**	- Abderrahmane TAMALI *A Myoelectric-Controlled 3D-Printed Prosthetic Arm: Design and Implementation*
RooM A-3-30		**Deep Learning for Energy Forecasting and Monitoring::** meet.google.com/mrf-syzy-hch **Prof. Younes CHIBA (Univ. Medea); Dr. Anup KAGALKAR (IEEE-SM), India;**
12H30	**157**	- Lamis SERRAT *Hourly Global Solar Irradiance Forecasting in a Desert Region Using a Deep Neural Model with Hybrid Inputs*

12H45	**195**	- Lydia TOUAHRI *An Empirical Attention-Based LSTM Approach for Weekly Sales Forecasting in an Agri-Food Firm*
13H00	**198**	- Mohamed ADAIKA *Intelligent Classification of Partial Shading in PV Systems Using LSTM and DNN Models: A Comparative Study*
13H15	**210**	- Amira RAMZI *AI-Based Crop Yield Classification from Satellite Imagery: Enhancing Agricultural Monitoring in Algeria*
13H30	**143**	- Meryem Mamia BENOSMAN *Enhanced RVNN-Based Digital Predistortion for Wideband Power Amplifiers with Memory Effects*
RooM B-3-30		**Hydrogen Production and Hybrid Energy Systems::** meet.google.com/nzt-jvxh-icq **Dr. Maria MALVONI (ENEA-Italia); Dr. Amine HARTANI (Univ. Adrar);**
12H30	**95**	- Cherif MESKINE *Design and MILP-Based Optimization of Hydrogen-Integrated Multi-Energy Microgrids: Case Study at IMT Mines Albi*
12H45	**112**	- Hani BELTAGY *Sizing and simulation of a hybrid Photovoltaic-Wind system for green hydrogen production*
13H00	**100**	- Elaid BOUCHETOB *Efficiency Analysis and Reliability Prediction of DC-DC Boost Converters for PV Application: Wide Band-Gap Devices*
13H15	**107**	- Boucif ZINA *Numerical Study of a Solar Air Heater Featuring a Corrugated Collector Plate*
13H30	**82**	-Salah Eddine ZIRAR *Control Strategy of a Wind Energy Conversion System Based on Five-phase Permanent-Magnet Synchronous Generator*
RooM C-3-30		**Advanced Materials and Wireless Communications ::** meet.google.com/siz-ewma-buv **Prof. Abdelkader BENABDELLAH (Univ. Tiaret); Dr. Abdellah REZOUG (UMBB)**
12H30	**47**	- Ghania DEKKICHE *Facile sonochemical synthesis and characterization of cobalt oxide nanoparticles in the presence of ionic liquid*
12H45	**164**	- Mayliss YOUSFI *Vulnerability Cost Hardening using Stochastic Games and K-means in VANET Environments*
13H00	**156**	- Abdelouahab BOURAIOU *Study of the influence of some parameters on the performances of a superconducting patch antenna*
13H15	**136**	- Khadidja RAHMOUNE *Control of grid-connected PV system associated with LCL filter for power production and power factor correction*
13H30	**63**	- Yamina BEKRI *New Simple and Accurate Closed-Form Expressions for the Electromagnetic Parameters of a Novel Quasi-TEM Cylindrical Coaxial Directional Coupler for High-Power Telecommunications Applications*
13H45	**66**	- Amel HAOUZI *Spectrum and Energy Efficiency for DL - NOMA Systems in Cognitive Radio/5G Networks*
14H00 – 15H00		LUNCH
08H00 To 13H45		WORKSHOP ***Prof. Dalila CHERIFI*** (IGEE, UMBB, Algeria) *Introduction to Machine Learning*
13H50		CLOSING CEREMONY