



ICAIRE2022 Technical Program

Sunday 20, November 2022

H.C. Pr. Abdelghani CHOUCHA (Rector of Univ. Tamanrasset)

Distinguished Speakers

Plenary Chairmen :

Dr. Mustapha HATTI (TSC Ass.)

Dr. Abdeldjalil YUCEFI (Univ. Tamanrasset)

Tamanrasset University Auditorium



9 :00 – 10 : 00 (GMT+1) (PRESENTIAL)

Pr. Belkacem OULD BOUAMAMA (Ecole Polytechnique of Lille,
France)

Green Hydrogen: Energy for the Future?



10 :20 –11 :20 (GMT+1) (VIRTUAL)

Pr. Frede BLAABJERG (Aalborg University, Denmark)

Power electronics — the key technology for grid integration

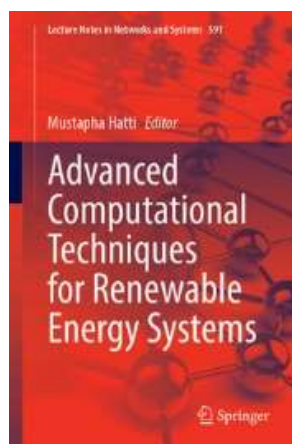
Monday 21, November 2022



09 :00 –09 :40 (GMT+1) (PRESENTIAL)

Dr. Mustapha HATTI (UDES / EPST - CDER, Algeria)

Smart Cities : Concepts and Conditions of Success





TAMANRASSET UNIVERSITY		ICAIRE 2022				NOVEMBER 20 -- 22, 2022					
Tamanrasset University		SUNDAY 20 NOVEMBER 2022				MONDAY 21 NOVEMBER 2022				TUESDAY 22 NOVEMBRE 2022	
08:00		REGISTRATION				Pr. B. OULD BOUAMAMA WORKSHOP Bond graphs pour les systèmes à énergie renouvelable : contrôle et dimensionnement d'un véhicule hybride				8 :00	VISIT Tourist : Musée Le PiC La Source
08:20		WELCOMING ATTENDEES									
08:40		OPENING CEREMONY									
09:00		P L E N A R Y	Pr. Belkacem OULD BOUAMAMA(Fr) <i>Green Hydrogen: Energy for the Future?</i>				Dr. Mustapha HATTI (ALG) <i>Smart Cities : Concepts and conditions for success</i>				
09:20	DEBATE				DEBATE				09 :30		
09:40	COFFEE BREAK				COFFEE BREAK				10min	COFFEE BREAK	
10:00	COFFEE BREAK				COFFEE BREAK				10 :30		
10:20	Pr. Frede BLAABJERG (Dk) <i>Power electronics – the key technology for grid integration</i>				164- Touati	81- Goossens	93- Messasma	10 :45	PANEL		
10:40	DEBATE				57- Hachemi	111 - Abbou	89- Benabdelkrim	11 :00			
11:00	P O S T E R	DEBATE				74- Djedidi	37- Nekkaz	124- Dahli	11 :15	NETWORKING	
11:20		166- Ziouche	62- Saihi	48- Deghal	25- Touhami	143- Laouid	69- Bouregba	173- Guechi	11 :30		
11:40		114- Zoubiri	51- Bellaoui	50- Dadda	183- Sefsaf	186- Derkouche	148- Tellaa	49- Boudjella	11 :45	AWARDS CEREMONY CLOSING CEREMONY	
12:00		58- Messatfa	86- Chaib	05- Bouam	139- Chitroub	15- Rehouma	156- Tellaa	19- Djeldji	12 :00		
12 :20		110- Touahri	189 - Diaf	198- Larbi	09- Derkaoui	188- Hedara	91- Oualah	184- Houicher			
LUNCH											
13:20	O R A L S	99- Medjaher	158- Mellit	33- Ferroudji	83- Saadi	174- Jaballah	22- Saheb	13 :30			
13:40		119- Benras	92- Mahami	88- Aïssaoui	97- Arab	106- Boumegouas	199- Nait Bachir	13 :45			
14:00	A L S	178- Rezki	122- Moulay	147- Zebboudji	34- Ouldamer	123- Khemili	27- Guentri	14 :00			
14:20		84- Gahgouhi	94- Hamadi	179- Dahbi	63- Bouziane	76- Abadlia	167- Gourari	14 :15			
14:40	S				136- Saadi	44- Ghouali	177- Berhab	14 :30			
						200- Bachiri	101- Hamouche	168- Bendaoudi	14 :45		
				60- Bensaci	29- Adjmi	194- Bouthiba	47- Khalifa	15 :00			
15:15-15:20		TEA BREAK				TEA BREAK					
15:20	O R A L S	87- Cherifi	125- Rabah	172- Khelf	126- Echchaoui	54- Mammeri	72- Rouabah	15 :30			
15:40		82- Benlala	112- Taleb	80- Touhami	170- Bekkour	68- Hamidia	64- Ichou	15 :45			
16:00	A L S	21- Boualem	180- Kanoun	140- Sandjak	120- Bayou/Ben	138- Bouguerra	162- Atoussi	16 :00			
16:20		10- Oulimar	77- Kourdi	187- Bouhellala	169- Iourzikene	35- Abbadi	141- Doghmane	16 :15			
16:40	S				95- Djehaiche	113- Bouchetob	96- Dadi	16 :30			
						42- Benahmed	70- Krachai	78- Beddar	16 :45		
					121- Bekkouche	105- Hamidat	118- Bouchiba	17 :00			



Sunday 20, November 2022

11 :20 – 12 :40

ICAIRE2022 CONFERENCE POSTER SESSION

Library Conference HALL	Session Chairmen : Pr. Abdelkader AISSAT (Univ. Blida1, Blida, ALG) Dr. Fouzi HADDAD (Univ. Tamanrasset, ALG)	
11 :20	166	Planar Micro-Thermoelectric Generators based on Cu55Ni45 and Ni90Cr10 Thermocouples for IoT Applications I. BELHADJ*, Z. BOUGRIOUA AND K. ZIOUCHE
11 :40	114	Mutual Coupling Reduction between two closely spaced microstrip antennas Using Electromagnetic Band Gap (EBG) Structure for IoT Applications B. ZOUBIRI*, A. MAYOUF AND M. MOKHTARI
12 :00	58	High-Efficiency 60-GHz Printed Antenna Using a Triple-Layer Metasurface TAREK MESSATFA* AND FOUAD CHEBBARA
12 :20	110	Analysis Techno-Economic of a Stand-Alone Photovoltaic System Using a Specialized Advanced Simulation Software for Different Zones in Adrar Region T. TOUAHRI*, B. BERBAOUI, R. MAOUEDJ AND S. LARIBI

Library Conference HALL	Session Chairmen : Pr. Said GROUNI (Univ. Tamanrasset, ALG) Dr. Kheireddine MERHOUM (Univ. M'hamed Bouguerra, Boumerdès, ALG)	
11 :20	62	Super Twisting Fuzzy High-Order Sliding Mode Control of Variable-Speed Wind Turbine LAKHDAR. SAIHI*, FATEH. FERROUJJI, KHAYRA. ROUMMANI, YOUCEF. BAKOU, KHALED. KOUSSA, MOHAMMED. BOURA
11 :40	51	Deep learning model for multivariate time serie forecasting of global solar radiation in desert climate BELLAOUI M.*, BOUCHOUICHA K., BABAHADJ A. AND OULIMAR B.
12 :00	86	Application of new optimization algorithm for parameters estimation in photovoltaic modules LAKHDAR CHAIB, ABDELGHANI CHOUCHE, MOHAMMED TADJ* AND FATIMA ZAHRA KHEMILI
12 :20	189	A New Ultra High Efficiency Solar Heat Collector ABDERRAHMANE DIAF*, FERHAT KAMEL BENABDELAZIZ

Library Conference HALL	Session Chairmen : Pr. Abdelghani AISSAOUI (Univ. Mohamed TAHRI of Bechar, ALG) Dr. Fethi AKEL (UDES-CDER, Bouismail, Tipasa, ALG)	
11 :20	48	Influence of Geometric Parameters on the Performance of a Vortex Type Cooling Tower A.L. DEGHAL CHERIDI*, A. BOUAAM, A. DADDA AND A. DAHIA
11 :40	50	Analytical study of air behavior in a Vortex Tower DADDA A.*, DEGHAL A., BOUAM A., DAHIA A.
12 :00	05	Realization of a Combined Infrared / Micro Radar Alarm System BOUAM NAWRAS* AND KOUDIAH NOUREDDINE
12 :20	198	Electromagnetic Converter for Electric Vehicles Integrated with Renewable Energy Sources for Sustainable Mobility LARBI BELKACEM*, HATTI MUSTAPHA. KOUZI KATIA AND GHADBANE AHMED

Library Conference HALL	Session Chairmen : Dr. Adel BITAM (Univ. Tamanrasset, ALG) Mr. Hichem METROUH (MIGHISS, ALG)	
11 :20	25	Design of Smart Irrigation System in the Greenhouse using WSN and Renewable Energies ACHOUAK TOUHAMI*, SANA TOUHAMI, NAWAL TOUHAMI, KHELIFA BENAHMED AND FATEH BOUNAAMA
11 :40	183	Characterization and Simulation of the Power IGBT Module Used in VFD for Drilling Applications H. SEFSAF*, B. NADJI, AND Y. YAKHELEF
12 :00	135	Blind Sources Separation and Cryptography for Secure Remote Reading of Sonelgaz Smart Meters S. CHITROUB*, Y. BRAHIMI N. HADDADI A. SAIGHI AND Y. GACEB
12 :20	09	Pervasive System in Smart Houses MOKHTARIA DERKAOUI*, MANSOUR ABOU CHEMALA AND HADJ MERIDJA

12 :40—13 :20

LUNCH



Sunday 20, November 2022

13 :20 ---15 :00

Face to face-CONFERENCE ORAL SESSION

Univ. Auditorium	Session Chairperson : Pr. Abdelghani HARRAG (Univ. Farhat ABBAS, Sétif, ALG) Pr. Lakhdar CHAIB (Univ. Tamanrasset, ALG)	
13 :20	99	Application of the Prognostic and Health Management to Industrial Systems ABDENOUR SOUALHI, BILAL EL YOUSFI, MOURAD LAMRAOUI AND KAMAL MEDJAHER*
13 :40	119	Machine Learning-based Techniques for False Data Injection Attacks Detection in The Smart Grid: A Review MOHAMED TAHAR BENRAS*,
14 :00	178	Determination of intrinsic parameters of PV module using pattern search MOHAMED REZKI*, GHANIA OUADFEL, HAMZA HOUASSINE AND SAMIR BENSALD
14 :20	84	PEM fuel cell emulator based on a buck converter S. GAHGOUHI, A. HADJAISSA*, K. AMEUR, A. RABHI AND M. KIOUS

Room A	Session Chairmen : Pr. Fateh KRIM (Univ. Farhat ABBAS, Sétif, ALG) Pr. Ali SELLAMI (Univ. Tamanrasset, ALG)	
13 :20	158	Embedded machine learning for fault detection and diagnosis of photovoltaic arrays using a low-cost device M. BOUZERDOUM, A. MELLIT*, N. DJAZARI, AND M. LAISSAOUI
13 :40	92	A New Transformer Condition Monitoring Based on Infrared Thermography Imaging and Machine Learning AMINE MAHAMI*, TOUFIK BETTAHAR, CHEMSEDDINE RAHMOUNE, FOUJIL AMRANE, MOHAMED TOUATI AND DJAMEL BENAZZOUC
14 :00	122	Detection of open and short circuit faults in PV system using Artificial Neural Network AICHA MOULAY*, KHALED KOUSSA
14 :20	94	RENVDM: Renewable Energy Visual Data Mining Distributed System ABDELKRIM HAMADI* AND FAHIMA NADER

Room B	Session Chairmen : Pr. Cherif BENOUDJAFER (Mohamed TAHRI Univeristy of Bechar, ALG) Dr. Zoubir BELGROUN (UDES/CDER, Bouismail, Tipasa, ALG)	
13 :20	33	Environmental and Financial Impact Analysis of a Tubular 850 KW Wind Turbine Tower F. FERROUDJI*, L. SAIHI AND K. ROUMMANI
13 :40	88	Developing a real-time Monitoring System in View to Analyze and Assess the Performance of Standalone PV System Along with its two PV Module Technologies Located in Northern Algeria A. AISSAOUI*, N. BELHAOUAS, F. HADJRIOUA, B. TAGHEZOUIT AND K. BAKRIA
14 :00	147	Topology Analysis of Multi-cellular Converters in a Wind Energy System AHMED H. ZEBBOUDJ*, RAFIK BOUKHELIF, MOUHAMED Z. DOGHMANE AND H. AKROUM
14 :20	179	Control of Permanent Magnet Synchronous Machine using Speed Estimation ABDELJALIL DAHBI*, MILOUD BENMEDJAHED, ABDERRAHMAN KHELFAOUI, OMAR OULEDALI, AHMED BOURAIYOU, HOCINE GUENTRI, MESSAOUD HAMOUDA, ABDELGHANI HARRAG, ABDELJALIL SLIMANI, NOUAR AOUN, BOUALAM BENLAHBIB, SAMIR MOUHADJER, AHMED BOUTADARA AND MOHAMMED LEMCHACHAA

15 :00—15 :20

COFFEE BREAK





Sunday 20, November 2022

15 :20 – 17 :00

Face to face-CONFERENCE ORAL SESSION

Room A	Session Chairperson : Dr. Abdelkrim MEZIANE (CERIST, Alger, ALG) Dr. Saliha AREZKI (USTHB, Alger, ALG)	
15 :20	87	Brain Tumor Classification Using Convolutional Neural Networks and Transfer Learning CHERIFI DALILA* , CHERIFI ZAKARIA AND BELKADI WASSIM
15 :40	82	Survey on Artificial Intelligence Algorithms Application for Alzheimer's and Elderly People Safety in Smart Homes WISSAM BENLALA* , SIHAM BOUCHELAGHEM AND MOHAND YAZID
16 :00	21	Deterministic and Uncertainty-Based Coverage Classification Models in WSNs: A Survey A. BOUALEM* , H. B. DOUMA AND S. D. MEHLOUL
16 :20	10	Variability of solar radiation received on tilted planes in Adrar region in the south of Algeria OULIMAR I.* , BOUCHOUICHA K. , BAILEK N. AND BELLAOUI M.

Room B	Session Chairperson : Dr. Mustapha HATTI (UDES-CDER, BouisMAIL, Tipasa, ALG) Dr. Abdelkader HADJ DIDA (CDS, ORAN, ALG)	
15 :20	125	A New Design of Patch Antenna Array for IoT Applications M. A. RABAH* , F. BOUSALAH , H. BENOSMAN , F. MERAD AND M. A. K. GOUAL
15 :40	112	Reconfigurable and Ecological Intelligent Antenna for Satellite Communication R. D. TALEB* , M. Z. BABA-AHMED , F. BOUSALAH AND M. A. RABAH
16 :00	180	Exploring the Performance of CZTS solar cells using BSF layers A. A. KANOUN* , Z. KOURDI , F. MERAD AND M. A. RABAH
16 :20	77	Patch Antenna Integrated with Junction Space Solar Cells for X Band Z. KOURDI* , S-M-H IRID2 , A-A. KANOUN , A-M. RABAH AND F. MERAD

Room C	Session Chairmen : Pr. Belkacem Ould BOUAMAMA (Ecole Polytech, Lille, FR) Dr. Mohamed BENRAHMOUN (Univ. Tamanrasset, ALG)	
15 :20	172	The Effect of the Intelligent Control System on the Tram Timetable Efficiency and its Influence on the Road Capacity at Signalized Intersections MOULOUD KHELF* AND BHOURI NEILA
15 :40	80	The impact of the Internet of Things on the transport sector SANA TOUHAMI* , ACHOUAK TOUHAMI AND MOHAMED BELGHACHI
16 :00	140	Bayesian Regularized Backpropagation Neural Network Model to Estimate Resilient Modulus of Unbound Granular Materials for Pavement Design K. SANDJAK* , M. OUANANI AND T. MESSAFER
16 :20	187	Urban flood risk; Diagnosis and Proposed Management. a case study in Bechar City, South Western Algeria BOUHELLALA KHARFIA*

22-11-2022



18 :30----- Gala Diner-----20 :30





Monday 21, November 2022

10 :30—12 :15

Virtual-CONFERENCE SESSION

Room A	Session Chairperson : Pr. Rachid TALEB (Univ. Hassiba Ben Bouali, Chlef, ALG)	
10 :30	164	H_2 Model Reduction of Nonlinear Optimal PEMFC using Artificial Ecosystem Optimization ZOHRA TOUATI*, KHALED O. M. TOUATI, SAADI SLAMI AND KIOUS MECHRI
10 :45	57	Optimal Location and Sizing of Capacitor Banks in Distribution Systems Using Grey Wolf Optimization Algorithm A. HACHEMI*, F. SADAOUY AND S. ARIF
11 :00	74	Optimal Placement Using Moth Flame Optimization in Radial Distribution DJEDIDI IMENE*, NAIMI DJEMAI, SALHI AHMED AND BOUHANIK ANES
11 :15	143	Optimal Placement of Phasor Measurement Units Considering the Topology Transformation Method ABDELKADER AZZEDDINE LAOUID*, AICHA DJALAB AND NAIL ALAOUI
11 :30	186	An Optimal Synergetic Vector Control of Multiphase Induction Generator Equipped with Fuzzy Flywheel Energy Storage System DERKOUICHE DJAMEL* AND KOUZI KATIA
11 :45	15	Parameter extraction of photovoltaic models using hybrid Ant Lion Optimizer- Coukoo search (ALOCS) Y. REHOUMA*, A. DEGLA, MB DANOUNE, M.A HAMIDA, D.ZIED, A. GOUGUI AND Y. AMARA
12 :00	188	Contribution to the Study and Optimization of the Ozone Generators by Cylindrical Surface Dielectric barrier discharge RACHIDA HEDARA*

Room B	Session Chairperson : Dr. Dalila CHERIFI (Univ. M'Hamed Bouguerra, Boumerdes, IGEE, ALG)	
10 :30	81	A Multicore and Multithreaded Microcontroller BERNARD GOOSSENS*, DAVID PARELLO AND DUSHAN BIKOV
10 :45	111	Frequency Enhancement of Power System with High Renewable Energy Penetration Using Virtual Inertia Control Based ESS And SMES H. ABBOU*, S. ARIF, AND A. DELASSI
11 :00	37	Modeling of two five-phase Induction Machines Connected in series with an Open Phase NEKKAZ MOHAMED*, DJAHBAR ABDELKADER AND BENALI YUCEF MOHAMMED
11 :15	69	Symmetrical Voltages Dips Analysis in a Wind Turbine Based on DFIG for High Power Conversion H. BOUREGBA*, M. HACHEMI, S. MEKHILEF AND A. RATNI
11 :30	148	Modeling and Simulation of an Operating BLDC with Bidirectional Rotation Configurations TELLAA MAWLOUD*, MOHAMED Z. DOGHMANE, ABDERREZAK AIBECHÉ AND AIMAD AHRICHE
11 :45	156	BLDC Speed Control Based on Fractional PID Controller TELLAA MAWLOUD*, ABDERREZAK AIBECHÉ, MOHAMED Z. DOGHMANE AND AIMAD AHRICHE
12 :00	91	A sliding Mode Speed And Reactive Power Control Of Brushless Doubly Fed Reluctance Machine OUALAH OUSSAMA*, KERDOUN DJALLEL AND BOUMASSATA ABDERRAOUF

Room C	Session Chairman : Dr. Fethi AKEL (UDES/CDER, ALG) ;	
10 :30	93	Power Reserve Generation in 100 KW PV Central Connected to Grid using ANN Strategy C. MESSASMA*, S.E. CHOUABA, B. SARI AND A. BARAKAT
10 :45	89	Parameters Estimation Methods of Thin-Film Solar Module using Numerical Algorithms and Artificial Neural Networks B. BENABDELKRIM*, A. BENATIALLAH AND T. GHATAOUI
11 :00	124	Methods Improving Solar Power System Efficiency Based on Geographical Coordinates and Sun Position Calculators K. DAHLI* AND N. CHEGGAGA
11 :15	173	Models for estimating global solar irradiation on a Horizontal Surface in Algeria A.GUECHI *, M. CHEGAAR
11 :30	49	Machine Learning KNN Classifier for Forecasting Hourly Global Solar Irradiance over Adrar city MANAL Y. BOUDJELLA* AND AISSA BOUDJELLA
11 :45	19	Solar Radiation Forecasting based on Artificial Neural Network : a case study of Bechar city, Southwest Algeria H. DJELDJILI*, D. BENATIALLAH, K. BOUCHOUICHA AND A. BENATIALLAH
12 :00	184	Magnetic Field Variation Distribution of Overhead Electric Power Transmission Lines SALAH-EDDINE HOUICHER*, RABAH DJEKIDEL AND SID AHMED BESSEDIK

12 :15—13 :20

LUNCH



Monday 21, November 2022

13 :30—15 :00 (GMT+1)

VISION-CONFERENCE SESSION

Room A	Session Chairman: Dr. Mohamed TADJ (Univ. Tamanrasset, ALG);	
13 :30	83	Experimental Analysis on Performance of a Solar Photovoltaic/Thermal (PV/T) Air Collector with a Single Pass SAADI ZINE*, KOUKI NADJAT, BOUKHLEF DJEDJIGA, ALLALI MALIKA, AMINA BEKRAOUI AND ABDELKRIM ROUABHIA
13 :45	97	Simulation of a Cavity Ventilated by air Displacement using the Lattice Boltzmann Method A. ARAB*, N. HIMRANE, Y. HALOUANE, Z. HIRECHE AND D.E. AMEZIANI
14 :00	34	HYDROGEN DIFFUSION STUDY VIA PHOSPHORUS DEACTIVATION IN N-TYPE SILICON R. OULDAMER*, D. MADI AND D. BELFENNACHE
14 :15	63	Estimation on the potential of Dimethyl ether (DME) as clean alternative fuel by CFD ALI BOUZIANE*, HADJ MILOUA AND MOHAMMED ZAITRI
14 :30	136	Connected Sensors for a Smart Green Farm M. FERROUKHI, H. SAADI*, R. BENDIB, L. BERRACHEDDI AND A. CHERIFI
14 :45	200	Investigation and improved performance of MASn ₃ and MASnBr ₃ Perovskites Solar Cells with porous silicon layer BADIAA BACHIRI* AND KHADIDJA RAHMOUN
15 :00	29	Natural and Mixed Convection in Solar Drying Process SAMAH ADJIMI*, CHERIFA ABID

Room B	Session Chairperson : Pr. Youcef SOUFI (Univ. Larbi Tebessi, Tebessa, ALG),	
13 :30	174	Soil-Structure Interaction Effects on the Vibration Control of Building Structures MOHAMED SEGHIR JABALLAH*, SALAHEDDINE HARZALLAH AND NAIL BACHIR
13 :45	106	A Robust Decoupled Control of Electric Vehicle Using Type-2 Fuzzy Logic Controller MOHAMED KABIR BILLAL BOUMEGOUAS*, KATIA KOUZI AND M.BIRAME
14 :00	123	Control of Three Phase Cascaded H bridge Multilevel Inverter Supplied by a Photovoltaic System FATIMA ZAHRA KHEMILI, MOUSSA LEFOUILLI, OMAR BOUHALLI, LAKHDAR CHAIB
14 :15	76	Artificial Neural Networks-Based Predictive Control for Grid-Connected Photovoltaic Inverter ISSAM ABADLIA*, ANTAR BEDDAR, FATEH ABDOUNE, AND LINDA HASSAINE
14 :30	44	Energy-efficient and Traffic-aware Function Analysis of Network Service Orchestration AE. DINAR, S. GHOUALI*, M. S. GUELLIL AND E. M. ONYEMA
14 :45	101	Influence of Dust Particles Deposition on the Reflection Loss of a Photovoltaic Module HOURIA HAMOUCHE* AND MOHAMMED M. SHABAT
15 :00	194	Power Management Strategy of a Hybrid PV-Battery System Connected to the Grid Y. BOUTHIBA*, B. MEGHNI, B. BENLAHBIB AND M. OUADA

Room C	Session Chairperson : Pr. Adel MELLIT (Univ. Mohamed Seddik Benyahia, Jijel, ALG) ;	
13 :30	22	Development of a Supervision/ Control Interface for an Experimental Wind-Storage -Grid -Diesel Microgrid System DJOHRA SAHEB-KOUSSA*, MUSTAPHA KOUSSA, SAIDA MAKHLOUFI, NASERDINE BELHAOUAS, FARID HADJRIQUA, AZZEDINE AISSAOUI AND KHALED BAKRIA
13 :45	199	Sizing, Modeling and Energy Flow Management of PV-Diesel-Batteries Microgrid for Agricultural Application SALMA NAIT BACHIR*, MUSTAPHA HATTI AND SALIHA AREZKI
14 :00	27	Control and Power Management of Microgrid supplied a Domestic and Industrial loads H. GUENTRI*, F. LAKDJA, M. BELHAMIDI AND A. DAHBI
14 :15	167	A Wideband Millimeter Wave Antenna for 5G application Resonate at 3.5 GHZ. F. Z. GOURARI*, A. MOSBAH, M. E. IRID AND S. M. MERIAH
14 :30	177	2.4 GHz Semi-Textile Wearable Antenna for Off- and On- Body Communications S. BERHAB*, A. ANNOU, F. N. AZZOUZ AND M. CHOUYA
14 :45	168	One-layer and dual-polarized metamaterial inspired antenna using dodecagon split ring resonator mushroom and metasurface for terahertz applications A.BENDAOUDI*, K. BENKHALLOUK, M. BERKA, Z. MAHDJOUB
15 :00	47	Aspect Oriented Web Service Composition based Petri net Model F. KHALIFA* AND B. GUELTA

15 :00---15 :20 TEA BREAK



Monday 21, November 2022

15 :30—17 :15

Visio-CONFERENCE SESSION

Room A	Session Chairperson : Dr. Sabri BOULOUMA (UDES/ EPST-CDER, Bou iSmail, Tipasa, ALG)	
15 :30	126	A Proposal Of Blockchain And NFC-Based Electronic Voting System HANANE ECHCHAOUÏ*, BOUDRALI ROUMAÏSSA AND RACHID BOUDOUR
15 :45	170	Aerial forest smoke's fire detection using enhanced YOLOv5 CHERIFI DALILA, BEKKOUR BELKACEM*, BENMALEK ASSALA, BAYOU MEROUA, MECHTI INES, BEKKOUICHE ABDELGHANI, AMINE CHAIMA AND HALAK AHMED
16 :00	120	Convolution Neural Network Deployment for Plant Leaf Diseases Detection CHERIFI DALILA, BAYOU MEROUA*, BENMALEK ASSALA*, MECHTI INES, BEKKOUICHE ABDELGHANI, BEKKOUR BELKACEM, AMINE CHAIMA AND HALAK AHMED
16 :15	169	Edge Detection of MRI Brain Images Based on Segmentation and Classification Using Support Vector Machines and Neural Networks Pattern Recognition ZOUHIR IOURZIKENE*, DJAMEL BENZAOUZ AND FAWZI GOUGAM
16 :30	95	Design, Implementation, and Deployment of IoT/M2M Smart City Applications based on MCNs RANIA DJEHAÏCHE*, SALIH AIDEL, MASSINISSA BELAZZOUG AND NASIR SAEED
16 :45	42	IoT Based Monitoring System for Aquaculture : Algeria Case Study TARIQ BENAHMED*, AMINA BOUROUIS, KHELIFA BENAHMED, KAMAL A. MOKEDDEM, SEDDIKI NOUREDDINE AND LAIREDJ BOUBAKEUR
17 :00	121	Study and implementation of U-Net Encoder-decoder Neural Network for Brain Tumors segmentation. DALILA CHERIFI, BEKKOUICHE ABDELGHANI*, BAYOU MEROUA, BENMALEK ASSALA, MECHTI INES, BEKKOUR BELKACEM, AMINE CHAIMA AND HALAK AHMED

Room B	Session Chairperson : Pr. Abdelghani HARRAG (Univ. Farhat Abbas, Sétif, ALG) ;	
15 :30	54	A Global MPPT Controller based on an Improved Particle Swarm Optimization Algorithm E. MAMMERI*, A. AHRICHE, A. NECAÏBIA, A. BOURAÏOU, A. ZIANE AND S. LACHTAR
15 :45	68	MPPT-JAYA Algorithm for Photovoltaic System HAMIDIA FETHIA*, ABBADI AMEL, SKENDER M. REDA, BETTACHE FAROUK AND MEDJBAR AHMED
16 :00	138	Whale optimization algorithm for maximum power point tracking (MPPT) of PV systems operating under partial shaded conditions T. BOUGUERRA* AND A. BOUZID
16 :15	35	Grey Wolf MPPT controller for Grid Connected Residential Wind System Operating under Low and High Variations in Wind Speed AMEL ABBADI*, FETHIA HAMIDIA, M. R. SKENDER AND F. BETTACHE
16 :30	113	Choosing the Adapted A. I. Method (ANN & ANFIS) Based MPPT Controller for Thin Layer PV Array ELAÏD BOUCHETOB* AND BOUCHRA NADJI
16 :45	70	A Comparative Study of MPPT Algorithms to Control DC-DC Converters in PV Systems S. DELLA KRACHAI* AND M. BENZAADA
17 :00	105	An Improved Fuzzy OTC MPPT of Decoupled Control Brushless Doubly-Fed Induction Generator . HAMIDAT MOHAMED AND KOUZI KATIA

Room C	Session Chairwoman: Pr. Katia KOUZI (Univ. Ammar Telidji, Laghouat, ALG);	
15 :30	72	Performance of the Energy Saving of IM Drive introducing a Parametric Variation Using Intelligent Technics Z. ROUABAH*, B. ABDELHADI AND F. ZIDANI
15 :45	64	Mobile user profile in the context of mobile Crowd sensing S. ICHOU*, S. HAMMOUDI, A. BENNA AND A. MEZIANE
16 :00	162	A mini review of the literature of fractional-order chaotic systems and its applications in secure communications schemes during the last three decades (1990–2020) MAHDI ABDELGHANI ATOUSSI*, BACHIR NAIL, SLAMI SAADI AND MAAMAR BETTAYEB
16 :15	141	Application of CRM Method for Reservoir Fluid Dynamic Characterization in Haoud Berkaoui Petroleum Field MOHAMED Z. DOGHMANE*, SID-ALI OUADEFUL, ZAKIA BENAÏSSA AND SAÏD ELADJ
16 :30	96	Siegenian Reservoir Characterization by Using Machine Learning Methods, Wadi El-Teh Field - Berkine West Basi DADI MOHIEDDINE*, DOGHMANE M. ZINELABIDINE AND OUAFI AMEUR-ZAÏMECHE
16 :45	78	Analytical Study between Fuzzy Logic and Sliding-Mode control applied to PV Systems ANTAR BEDDAR*, ISSAM ABADLIA, FATEH ABDOUNE, AND LINDA HASSAÏNE
17 :00	118	Techno-economical optimization of electrical production from wind power plant connected to the electrical grid in Laghouat region O. BOUCHIBA*, M. HAMIDAT, S. CHETTIH AND K. KOUZI

17 :15—17 :30

COFFEE BREAK



Tuesday 22, November 2022

09 :00—10 :30

VISION-CONFERENCE SESSION

Room A	Advanced Computational Techniques for Renewable Energy Systems Session Chairperson :	
9 :00	60	Synthesis and electrochemical study of some hydrazine derivatives ABDELAALI ATMANI, HAMZA BENSACI* AND KADDOUR RAKRAK
9 :15		
9 :30		
9 :45		
10 :00		

Room B	Advanced Computational Techniques for Renewable Energy Systems Session Chairperson :	
9 :00		
9 :15		
9 :30		
9 :45		
10 :00		

Room C	Advanced Computational Techniques for Renewable Energy Systems Session Chairperson :	
9 :00		
9 :15		
9 :30		
9 :45		
10 :00		

