University of Ghardaia

جامعة غرداية

Faculty of Sciences and Technology

International Conference

Program

October O1 - 03, 2024 – Ghardaia, Algeria

International Conference on Green Hydrogen, Artificial intelligence, Renewable energy and Electrical engineering Systems: First Edition "IC-GARES'24"

Octobre 1, 2024

09hOO – 09h30	Online Opening + General Session

09h30 – 12h00 \ on line presentation   (Presentation : 10 min ; Debate : 05 min)

ID	Presenter	co-authors	Title
12	Samia Medjenah	Samia Medjenah , Farid Benamira	Solving the one-dimensional Schrödinger equation for a positiondependent mass particle, with a Hulthén-type mass distribution and a Morse potential
24	Abdesselam guerbouz	Imad merzouk , Ahmed hafaifa, fihakhir amine	Photovoltaic MPPT control using CUK converter based on super twisting control
39	El Mouatez Billah Messini	Yacine Bourek , Charaf Abdelkarim Mosbah	Comparative Study of evolutionary-based Metaheuristic Optimization Algorithms for PV Module Parameter Extraction
18	Abdelali laid	Bougenah Abdellah,Meksi aissa	Impact of zinc sulfide insulation layer on the Efficiency of CIGS solar cells
32	Khadidja Dahli	Karim Selam	Innovative Wind-Responsive Control for Preventing Torsional Galloping in Solar Power Installations
30	Yassine Bouroumeid	Mokhtaria Jbilou , Seyf Eddine Bechekir , Mouffok Arezki , Brahim el Khalil Oulad Naoui and Essama Ahmed. Ghaitaoui	Techno-Economic Analysis of Hybrid Renewable Power Generation Systems Across Various Climatic Zones in Algeria
22	Messaouda chaib	Ali benatillah, Nadir Hachemi, Abdeldjalil Dahbi	Evaluating Performance Decline and Investigating Root Causes for a Solar Power Plant in Southern Algeria,
31	MOHAMED TAHAR BOUZAHER	ABDELHAMID BOUZAHER	Photovoltaic Panel Faults Diagnosis: The use of the bishop model for confirmation of the diagnosis method based on the fill factor analysis and use of Artificial Intelligence techniques
27	Nadir Hachemi	Elfahem Sakher ,Messaouda Chaib, Rachid Tigrine, Faiçal Baira	SEM microstructure comparison between EVA above the cell and EVA below the photovoltaic cell of a degraded solar panel
13	BEKKAR Belgacem	BEKKAR Belgacem, ZITANI Brahim	Genetic Algorithm Optimization of Advanced Sliding Mode Controllers with Double Integral Terminal for Magnetic Levitation System

Octobre 2, 2022

2ⁿᵈ Day

08hOO – 08h30	**Desk Registration**

08h3O – 09h30	**Official opening**
	Speech: University Director\Dean of faculty\Chairman of conference

==Plenary session== 09h45 – 10h30

Title: Towards the Realization of the Energy Internet: IoT Technologies for the Massive Integration of Distributed Energy Sources

Speacker: **Pr. Panagiotis G. Papageorgas**

University of West ATTICA Greece

COFFEE BREAK **10 :30h - 11h00**

==Plenary session== 11h00 – 11h45

Title: Energy transition governance: Challenges and Strategies

Speacker: **Pr. Ali CHEKNANE**

Amar Telidji University of Laghouat, Algeria

==Plenary session== 11h45 – 12h30

Title:

- Electric Vehicle
- Impact of Digital Transformation on Alternative and Green Energies

Speacker: **Pr. ILHAMI Colak**

Istinye University

Turkey

12h30 - 14h00

Octobre 2, 2022

2ⁿᵈ Day

	14h00 – 15h30 \ Room 1	(Presentation : 10 min ; Debate : 05 min)	
ID	**Presenter**	**co-authors**	**Title**
46	Birane Mouhoub	Seba Samah,Birane Mouhoub, Benmouiza Khalil	Analysis and Modeling of P&O and Beta MPPT Algorithms under Partial Shading Photovoltaic Systems
45	KOUADRIA Mohamed	KOUADRIA Mohamed, ARAB Mustapha, ZEGAOUI Abdellah	Diagnosis of Stator Faults in an Induction Motor Using the Matrix Pencil Method
33	Slimane Sayah	Mouhoub Birane, Khalil Benmouiza, Abdelkader Firah, Aicha Degla.	Long Short-Term Memory Network-Based Control for Single-Phase Grid-Connected Inverter
68	Babaousmail Moussa	hattara Abdelouahab	PV and Wind sources integration, power flow analysis and data visualization
69	Guerbouz Abdesselam	Amine Mehdi FIHAKHIR	Nonlinear Control with Genetic Algorithm of UAV Type HELIPLANE
94	Abdelkader ELMEDDAH	Djalloul ACHOUR	"Optimal design parameters of cylindrical pumps for water pumping system"
20	Bouguenna Abdellah	Bouguenna Ibrahim Farouk, and Ouslim Mohamed	Study and simulation of intelligent sensor using the microchip dspic30F
62	Ouarniki Hadj Abdelkader , Gama Amor , Mosbah Charaf Abdelkarim , Yattou Fatiha	Gama Amor , Mosbah Charaf Abdelkarim , Yattou Fatiha	Empirical investigation and prediction of Linke turbidity factor through Artificial intelligence methods: an experimental approach
19	CHACHI Mohamed	KAMLA Youcef, BENHARKAT wiam, LARCH nadia,	"Etude expérimentale et réalisation d'une éolienne à axe Vertical de type SAVONIUS

(17h00 – 20h00)

Evening	**Gala dinner**

Octobre 3, 2022

3rd Day

Plenary session **9h00 – 9h45**

Title: Application of Artificial Intelligence Technique in Photovoltaic systems
Speacker: **Pr. Adel MELLIT**
University of Jijel, Algeria

Plenary session **09h45 – 10h30**

Title: Innovative Exploration of Green Hydrogen
Speacker by: **Dr Mohamed KHERAT**
Centre de Développement des Energies Renouvelables (CDER), Algeria

COFFEE BREAK **10h30 - 11h00**

09h00 – 11h00 \ Room 2		(Presentation : 10 min ; Debate : 05 min)	
ID	**Presenter**	**co-authors**	**Title**
16	Saggai Abdelmoula	Saggai Abdelmoula ,mehdadi Khaled , Benras Mohamed Taher ,Hadjaidji elmoundher	Fault Tolerant Control of an UAV type Octorotor Against Wind Gusts
67	Mohamed Kellal	Abdellah Zegaoui, Mustapha,Ilhami COLAK Tayeb ALLAOUI, ARAB,	Modeling of the Characteristics I-V and P-V of an HVDC PV array under partial shading using Proteus ECAD
44	SAHNOUN M'hamed	SAHNOUN M'hamed, SADOUNI Radhwane , DJERIOU Salim	Indirect Rotor Field-Oriented Control for Dual Stator Induction Motor Used in Solar Water Pumping System
38	Benali AlOUACHE	Benali AlOUACHE, M'hamed HELAIMI, Abdelkadir BELHADJ DJILALI Hadj ALLOUACHE and Adil YAHDOU	Frequency oscillation control of an islanded microgrid system based on PSO-PID controller
65	Belhadj benziane Izzessalam	Izzessalam, ZEGAOUI Abdallah,Bouchelga Fatma,Kellal Mohamed,ARAB Mustapha,ALLAOUI Tayeb,ilhami COLAK	Influence of Irradiation on Distributed PV Architecture Dedicated to DC Power Transmission
60	Rabah Benabid	Rabah Benabid	NPP flexibility modeling in interconnected grid considering power ramp ratio limit
47	Zababe ilyes	sadouni radhwane ,moussa oussama	"Detection Inter-Turn Short Circuit Fault in induction motor using Artificial neural network

11h00-12h00
Closing ceremony and certificate of participation

(12h00 – 13h30)