



الجمهورية الجزائرية الديمقراطية الشعبية
وزارة التعليم العالي والبحث العلمي
المركز الجامعي صالحي أحمد - النعامة
معهد التكنولوجيا



International Conference on Renewable Energies and Power Systems, ICREPS'2024, May 13-14, 2024
University Centre Salhi Ahmed of Naama -Algeria-

CERTIFICATE OF PARTICIPATION

This certificate is awarded to:

Zakarya DJELLOUL KHEDDA

For his participation in The International Conference on Renewable Energies and Power Systems, **ICREPS'2024**
With an Oral presentation of the communication entitled :

Thermal Analytical Model of Switched Reluctance Machines

Authors : Zakarya DJELLOUL KHEDDA, Brahim Ladghem-Chikouche, Lazhar Roubache, Souleyman Benkraouda, Mohamed Kellal, Izzessalam Belhadjbenziane

General Chair



Dr. KHATIR Tawfiq

Director of the Centre



الأستاذ الدكتور صالحي أحمد
مدير المركز الجامعي أحمد صالحي
بالنعامة

الجمهورية الجزائرية الديمقراطية الشعبية

وزارة التعليم العالي والبحث العلمي
المركز الجامعي صالحي أحمد - النعامة
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تحت الرعاية السامية لمعالي وزير التعليم العالي والبحث العلمي
البروفيسور كمال بداري

الملتقى الدولي حول الطاقات المتجددة و أنظمة الطاقة

International Conference on Renewable
Energies and Power Systems (ICREPS 24)

يومي ٠٦/٠٥ ذو القعدة 1445 هـ
الموافق لـ 14/13 ماي 2024 م



بالمركز الجامعي صالحي أحمد
النعامة





WELCOME MESSAGE FROM GENERAL CHAIRS

Welcome to ICREPS'2024: The International Conference on Renewable Energies and Power Systems, hosted at the University Centre of Naama in Naama, Algeria, from May 13th to 14th, 2024.

We are thrilled to gather experts, researchers, and students from Algeria and around the world to delve into the latest advancements and significant challenges in renewable energies and power systems. Over the next two days, we will engage in stimulating discussions, exchange groundbreaking ideas, and foster collaborations that will drive the sustainable energy revolution forward. As we convene in the beautiful city of Naama, let us harness our collective knowledge and passion to propel innovation and pave the way for a cleaner, more sustainable future.

ICREPS'2024 is the international conference focusing on renewable energy and power systems, ranging from renewable energy such as solar and photovoltaic systems, wind energy systems, biomass; and power systems such as microgrids, smart grids; and energy and mechanical systems such as hydrogen and fuel systems, thermal machines, biofuels, heat transfer and mechanical systems, as well as the application of artificial intelligence techniques in these areas.

ICREPS'2024 aims to create a forum for researchers, scientists, and industrialists from all over the world to discuss their latest research results and experience in the field of renewable energies and energy systems, and to present their contributions and the results of their research. The objectives of ICREPS'2024 are to provide high-quality research papers and contributions.

ICREPS'2024 will be held on 13 and 14 May 2024 at the University Centre of Naama in Algeria, it contains variable research areas presents unique challenges and opportunities, and collaborative efforts at conferences like ICREPS'2024 are essential for advancing research, sharing insights, and driving innovation forward in renewable energies and power systems.

A special thanks is given to the Conference Chairs for their efforts and sacrificed time.

MEET OUR GENERAL CHAIRS



Dr. Della Mohamed
General Chair
USTO-MB University of Oran



Pr. Safi Habib
General Chair
Rector of UCNAAMA



Pr. Khatir Tawfiq
General Chair
University Centre of Naama



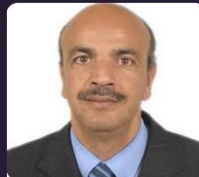
Dr. Dourdour A
General Coordinator
University Centre of Naama



Dr. Bouddou Riyadh
Technical Committee Chair
University Centre of Naama



Pr. Khatir Naima
Scientific Committee Chair
University Centre of Naama



Dr. Belabbas A
Scientific Committee Chair
IMSI University of Oran 2



Dr. Badaoui A
Organizing Committee Chair
University Centre of Naama

<https://cuniv-naama.dz/icreps>

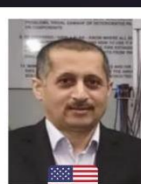
ICREPS'2024 Stay Tuned ↘

MEET OUR KEYNOTE SPEAKERS

Online and in Presence



Pr. Saad Makhlef
Swinburne University of
Technology, Australia



Dr. Samir Abood
Prairie View A&M University
USA



Pr. frede blaabjerg
Aalborg University, Denmark



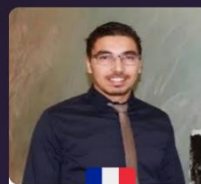
Dr. Hassan H Alhelou
Monash Australia | MIT USA



Dr. Miguel A P Picazo
University of Alicante Spain



Pr. Jean M Nunzi
Queen's University Canada



Dr. Allal Bouzid
Icam site de Toulouse France



Pr. Yassa N
CEREF Algeria

<https://cuniv-naama.dz/icreps>

ICREPS'2024 Stay Tuned ↘

Welcome Message from The General Chair

(The Rector of The University Centre of Naama)

✿ Welcome to ICREPS 2024! ✿

Dear Esteemed Guests, Participants, and Colleagues,

It is with great pleasure and excitement that I extend a warm welcome to each and every one of you to the International Conference on Renewable Energies and Power Systems 2024 (ICREPS 2024), to be held on May 13th-14th, 2024, in the beautiful locale of Naama, Algeria.



As the General Chair of ICREPS 2024 and the Rector of the University Centre of Naama, it is an honor to host this prestigious gathering dedicated to advancing the fields of renewable energies and power systems. This conference serves as a pivotal platform for scholars, researchers, industry professionals, and policymakers to come together, exchange knowledge, and explore innovative solutions to the challenges facing our energy landscape.

Renewable energy is not merely a topic of academic discourse; it is a cornerstone of our collective efforts towards building a sustainable future. It is through forums like ICREPS 2024 that we can harness the power of collaboration to accelerate progress and drive meaningful change.

Over the course of our conference, I encourage you to engage fully in the discussions, share your insights, and forge new connections. Together, let us seize this opportunity to inspire, innovate, and chart a course towards a more sustainable and equitable world.

I extend my deepest gratitude to the organizing committee, sponsors, and participants for their dedication and support in making ICREPS 2024 a reality. Your contributions are instrumental in shaping the success of this event and the impact it will have on our global community.

Once again, welcome to ICREPS 2024. May our time together be marked by fruitful collaborations, enlightening discussions, and lasting friendships.

Warm regards,

*Professor Habib Safi
General Chair, ICREPS 2024
Rector, University Centre of Naama*

*Pr. Safi Habib
Director of the university
center of Naama*

WELCOME MESSAGE FROM GENERAL CHAIR

Dear Esteemed Guests, Participants, and Colleagues,

It's our great honor to welcome all our guests to "the International Conference on Renewable Energies and Power Systems" (ICREPS) held at university center of Naama- Algeria in 13-14th May 2024, our conference is the first international conference focusing on two important research axis: renewable energy and power systems, also the application of artificial intelligence techniques in these areas.

The ICREPS 24 main program is composed of variable-track sessions comprising a rich and well assembled mix of valuable contributions involving researchers from industry and academy, and is complemented by poster, oral and online sessions, as well as a keynotes on very important topics, delivered by prestigious researchers who have come from different universities inside and outside Algeria, we are looking forward to a productive and engaging discussion.

We hope you will take full advantage of this opportunity to learn, network, and have some fun. Please feel free to reach out to us with any questions or concerns. Let's work together to achieve our goals!"

Pr.Khatir Tawfiq
General Chair of
ICREPS24



WELCOME MESSAGE FROM GENERAL CHAIR

Dear Participants,

Professors and students

A hearty welcome to the International Conference on Renewable Energies and Power Systems 2024 (ICREPS 2024)!

It's with great pleasure that we greet you as we gather at the University Centre of Naama, Algeria, on May 13th-14th, 2024, for this enriching event. Your presence adds immense value to our discussions and endeavours to explore and innovate in the realm of renewable energies and power systems.

Throughout the conference, you'll have the opportunity to engage with fellow researchers, experts, and practitioners, exchange ideas, and contribute to shaping the future of sustainable energy. Your passion and dedication to advancing the field are truly commendable, and we're excited to witness the insights and innovations that will emerge from our collective efforts. We encourage you to seize every opportunity to network, learn, and collaborate during the conference. Together, let's inspire change and make meaningful strides towards a more sustainable world.

Once again, welcome to ICREPS 2024! Let's embark on this journey of discovery and innovation together.

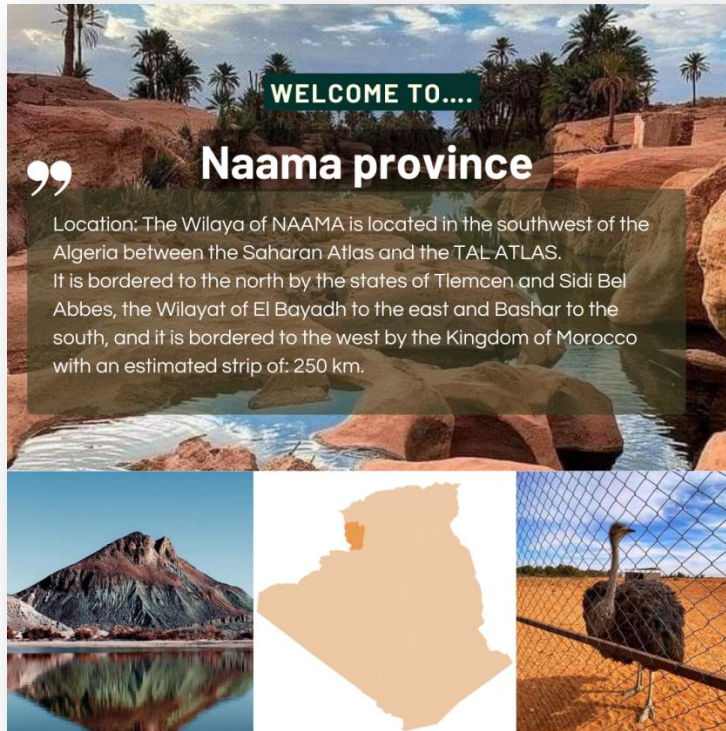
Dr. Mohamed Della Krachai



ICREPS 24 LOCATION & VENUE



The International Conference on Renewable Energies and Power systems will take place in university centre of one the Algerian provinces “NAAMA”



Expecting weather during ICREPS24 days

Mon 13 | Day
lun 13 | Jour

32°



10%

SW32 km/h km/h

Partly cloudy. High 32C. Winds SW at 25 to 40 km/h.

Nuageux. Haute 32C. Vents du sud-ouest de 25 à 40 km/h.



Humidity Humidité
22%



UV Index Indice UV
10 of 11
10 sur 11



Sunrise Lever du soleil
6:02 am



Sunset Coucher de soleil
7:53 pm

Tue 14 | Day
Mardi 14 | Jour

33°



9%

W27 km/h km/h

Generally sunny despite a few afternoon clouds. High 33C. Winds W at 15 to 30 km/h.

Généralement ensoleillé malgré quelques nuages l'après-midi. Température élevée 33C. Vents d'O soufflant de 15 à 30 km/h.



Humidity Humidité
24%



UV Index L'indice UV
10 of 11
10 sur 11



Sunrise Lever du soleil
6:01 am



Sunset Coucher de soleil
7:53 pm

ICREPS 24 LOCATION & VENUE

*The university centre of NAAMA named **Salhi Ahmed** is divided into two campus the opening ceremony will be held at the 1st campus while the sessions will take place at the 2nd campus.*



University centre of NAAMA Salhi Ahmed –NAAMA-



2nd campus



1st campus



ICREPS 24 TOPICS

❖ Artificial Intelligence in Energy Systems
❖ Solar Energy and Photovoltaic Systems
❖ Thermal Machines and Heat Transfer
❖ Smart Grids and Microgrids
❖ Hydrogen and Fuel Systems
❖ Optimization in Energy Systems
❖ Biofuels and Biomass
❖ Energy Storage
❖ Materials Science
❖ Smart Renewable Energy Management Strategies
❖ Wind Energy Systems

ICREPS 24 Global Program

	Monday, May 13, 2024		Tuesday, May 14,2024	
8 :00	RECEPTION			
09:00	Opening Ceremony		Plenary SESSION Dr Jean-Michel Nunzi (Online) Queen's University, Canada	
09:30	Quranic Verse + Algerian National Anthem			
10:00	Welcome Messages Dr. Derdour Abdessamed Director of the Institute of Technology Pr. Safi Habib Director of University Centre of Naama Pr. Khatir Tawfiq General Chair of ICREPS’2024			
10:30	Official Opening announcement of ICREPS by the governor(El-waley) of NAAMA state Mr Bouzeguza Lounis		Coffee break	
11:00	Plenary SESSION Dr. ALLAL BOUZID, Icam site de Toulouse, France		SESSION III (oral session +poster)	
11:30				
11 :40	Coffee break and Networking			
12:00	SESSION I (Oral Sessions +Posters)			
12:30				
13:00				
14:00	Lunch		Closing Ceremony	
15:00	SESSION II (oral sessions +posters)	Online Plenary session: Pr. Frede Blaabjerg (Aalborg University, Denmark) / Dr Samir Abood (Prairie View A&M University USA)	Online participation’s sessions	Lunch
15:30				
16:00				
16:30				
17:00	Coffee Break			
17:30		Online Plenary session: Dr SAAD Mkhielef (Swinburne University of Technology Australia) /Dr Miguel (University of Alicante Spain) /Dr Hassan Haes Alhelou (Monash Australia MIT USA)		
18:00				
18 :30				
19 :00				

Presentation guidelines

- *Presentation should be in English or French.*
- *The time provided for oral presentation is 15min (10 min exposing +5 min discussion)*
- *In the poster session any explanation required should be provided to session chairs and participants.*

SESSIONS PROGRAM

Monday, May 13, 2024

PLENARY SESSION

11:00-11:40

Keynote speaker 1 : Dr. ALLAL BOUZID, Icam site de Toulouse, France
ADREAM un bâtiment à Energie positive

Coffee Break and networking

SESSION I

12:00-14:00

Oral Session Jury Members

Dr. Kaid N, Pr. Naima K, Dr. Belabbes A, Pr. Ameer H, Dr. Bouzid A

Posters Session Jury Members

Dr. Brahimi M, Dr. Amara Z, Dr. Medjahed, Dr. Medjadji N, Dr. Gourari D, Dr. Ait Sidhoum I, Dr. Kebir Tayeb, Dr. Benameur B

Authors and titles:

ID6: Ghodbane Hassina, Fouad Khaldi, Derradji Bahloul, *Optimizing Combustion Dynamics in Hydrogen Internal Combustion Engines: A Comprehensive Study on Air-Fuel Ratios and Manifold Air Pressures*

ID241: Nassima AISSANI Khatima, CHAFAA Islam ROUIDI Islam Hadj Mohamed GUETARNI Badreddine MERZOUGUI Zoubida LOUNI, *Green-Hydrogen in Hybrid Process: experimentation in IMSI*

ID126: Siham Hammid, Khatir Naima, Abdelkrim Liazid, Cheikh Kezran *Heat Transfer Enhancement for Rarefied Flow Within a Microchannel Featuring Obstructions*

ID264: ZAIDI Sarra, MELIANI Bouziane, BOUDDOU Riyadh, MOHAMMED BELHADJ Souhey, *Comparative study of different types of DC-DC converters for PV system using RBF neural network based MPPT algorithm*

ID76: BENABDALLAH Naima, BELABBAS Belkacem, TAHRI Ahmed, HEROUAL Samira, *Advancing Photovoltaic Systems: Optimized Maximum Power Point Tracking Via Finite Control Set Model Predictive Control With a Novel Modified Perturb & Observe Algorithm*

ID18: NEHILA Tarek, Feldji Keltouma, Khadidja Asnoute, Benachour Elhadj, Hasnat Mohammed *Effect of Prandtl number on Natural Convection, case of fluid structure interaction*

ID187: ADICHE SARRA /LARBI MHAMED/TOUMI DJILALI, *Improvement of voltage control in AC microgrid using neural network-based adaptive PI controller*

Titles :

ID101: *Exploring the Application of Machine Learning Algorithms in Forecasting Photovoltaic Solar Power Output*

ID118: *FSI Analysis of Wind Turbine Blade : A Simplified Optimization Study*

ID240: *Fuzzy Sliding Mode control Design for a Single-Phase SAPF : Experimental Verification*

ID247: *Model Predictive Control of Single Phase Inverter for Grid-tied PV System under Variable Irradiance*

ID292: *Modeling to highlight the impact of variation in defect thickness on the behavior of a pipeline repaired by composite patch*

ID 248: *Numerical study of the effect of the spacing rate between impinging jets on the cooling of a hot plate*

ID44: *A Novel Approach to Grid Integration of Hybrid Renewable Energy Systems*

ID105: *An experimental study of window photovoltaic\thermal*

ID186: *Analysis and Design of Battery Electric Scooter Systemt based on Sliding Mode Speed Controller*

ID49: *Buckling behavior of plates made of functionally graded porous metal foam plates*

ID284: *Buckling response of CNT-RC beams via a novel first shear deformation theory*

ID134: *CFD Analysis of MHD Transient Convective Heat Transfer in a non-Newtonian Ferrofluid-filled Channel equipped with Cylindrical Heat-generating Blocks*

ID298: *Comparative numerical study of a flow (Air) for improving the performance of a plane air solar collector.*

ID189: *Comparative study of control algorithms MPPT based photovoltaic system with a DC boost converter*

ID177: *Conception of pyroelectric sensor based on Copolymer PVDF-TrFE Application in infrared Detection*

ID297: *Development of polynomial and Gaussian regression models to predict TJ discharge in electrical insulators*

ID45: *Efficiency Analysis of The FLC Speed Controller in Conserving Lithium-Ion Battery Energy within Electric Scooters*

ID25: *Investigations in structural and photovoltaic properties of novel composites thin films deposited by spray pyrolysis*

Lunch

SESSION II		15:00-17:00
<p align="center"><i>Oral session Jury Members</i> <i>Dr Daikh A, Dr Bouddou R, Dr Menni Y, Dr Habchi Y, Dr. Aimer A F</i></p>		<p align="center"><i>Posters Session Jury Members</i> <i>Dr. Khessam M, Dr. Toumi K, Dr. Radjaa I, Dr. Chaabane M, Dr. Sofi N, Dr. Belhachi S, Dr. Rekkal K, Dr. Antar K, Dr. Boukhadia k</i></p>
<p>ID 295 : Boutaleb Sabrina, <i>Impact of small scale and stretching effects on vibrational response of FG nanoplates</i> ID281: Imene Ait Sidhoum, <i>A novel Euler buckling stress formula for stability analysis of isotropic plates under biaxial loads</i> ID246: Mohammed Kendzi, Abdelghani Aissaoui, Abdesselam Bouiri, Yassine Habchi, Younes Dris, Mebrouk Haddar, <i>Application of Nonlinear Synergetic Controller on Doubly Fed Induction Generator to Design a Good Control Strategy of Power Production in Wind Systems</i> ID192: Merarda Hakim <i>Wind force and pressure on medium-sized hexagonal heliostat.</i> ID103: Ali Teta, Ahmed Chennana, El Ouanas Belabbaci, Ammar Chouchane, Maissa Medkour, <i>Transfer Learning Based Inverter Fault Detection in Grid-Connected PV Systems for Low-Cost Edge Devices</i> ID285: Bouchikhi Nasreddine, Boussadia Fethi, Gouder Chaima, Habchi Yassine, Belgacem Moussa, Bouddou Riyadh, <i>Optimal integration of renewable DG's in radial distribution network considering power losses and voltage stability improvement with the short circuit analysis using a combined technique</i> ID43: BENAÏSSA Rabie, MANSOURI Smail, OUELED ALI Omar, <i>The integration of solar photovoltaic energy in agricultural applications</i> ID274: Azzedine Boutelhig, Mohamed Aissa, Salah Bezari, Hakim Merarda, <i>EFFECT OF POROSITY ON THE DYNAMIC BEHAVIOR OF NON-HOMOGENEOUS PLATES</i></p>		<p>ID234: <i>Enhanced Heat Transfer with Non-Newtonian Al₂O₃ Nanofluids</i> ID139: <i>Enhancement of Thermal Transfer in a Cylindrical Parabolic Solar Collector</i> ID142: <i>Experimental study of a Savonius vertical axis wind turbine</i> ID304: <i>Exploring Advanced Methodologies for Hybrid Energy System Sizing through Artificial Intelligence Techniques: a comprehensive review</i> ID236: <i>Fluid-structure interaction in the natural convection of Newtonian fluid in a square cavity with Optimizing the Position Control of Flexible Fins</i> ID233: <i>Implementing Crowbar Protection To Maintain System. Stability In Doubly Fed Induction Generator Wind Turbines</i> ID184: <i>Intelligent MPPT Control Via Artificial Neural Networks for Boosted PV Systems Under Dynamic Environmental Conditions</i> ID83: <i>Investigating Natural Convection Heat Transfer with a Vertical Finned Plate in a Square Enclosure</i> ID235: <i>Investigation into the efficiency of a T-micromixer featuring helical elements for the energetic application of microfluidics</i> ID253: <i>Lightweight Partial Shading Detection: Leveraging Pretrained MobileNet and SVM classifier for Resource-Constrained Devices</i> ID256: <i>Management System for a Solar Battery for a More Reliable Diagnosis of State of Charge (SOC) and State of Health (SOH)</i> ID270: <i>Maximizing Solar Energy Output: Evaluating the Performance of Three MPPT Algorithms</i> ID294: <i>MECHANICAL BUCKLING ANALYSIS OF HETEROGENEOUS (2D) STRUCTURES USING a novel four variables SHEAR DEFORMATION THEORY</i> ID247: <i>Model Predictive Control of Single Phase Inverter for Grid-tied PV System under Variable Irradiance</i> ID292: <i>Modeling to highlight the impact of variation in defect thickness on the behavior of a pipeline repaired by composite patch</i> ID117: <i>Modelling of the sunlight and electrical characteristics of a photovoltaic solar generator</i> ID114: <i>MPPT active power production through a grid connected wind park based on DC generators with total losses calculation</i> ID41: <i>Numerical model of condenser in steady-state and analyzing the heat transfer coefficient correlations</i></p>

Tuesday, May 14, 2024	
PLENARY SESSION	9:00-9:40
<p>Keynote speaker 1: Pr. Jean-Michel Nunzi Queen's, CANADA (Online) Keynote speaker 2: Pr. Belgacem HAMDY ISSAT Sousse Tunisia Emerging Global Trends In Iot (Internet Of Things)</p>	
Tea break	
Session III	10:00-12:00

<p align="center"><i>Oral session Jury Members</i> <i>Dr. Derdour A, Pr. Naima K, Dr. Badaoui A, Pr. Merabet M, ,</i> <i>Dr. Belkacem B, Dr. Bouhamri N, Dr. Ardjoun S,</i></p>	<p align="center"><i>Posters Session Jury Members</i> <i>Dr Mentefa A, Dr. Ghaouti L, Dr. Bendahou D, Dr. Haouam I,</i> <i>Dr. Brahimi A, Dr. Reda L, Mr. Sekkal C, Dr. Bessenouci Z</i></p>
<p>ID160: Naima SOFI, Abdellatif BOUZID-DAHO ,PatrickÂ SIARR Adoption of Artificial Intelligence (AI) in Medical Image Processing</p> <p>ID24: KORTI Abdel Illah Nabil , GUELLIL Hocine, Energy and Exergy Analysis of Hybrid Double Pass Collector-Indirect Solar Dryer</p> <p>ID197: Azzedine Boutelhig, Mohamed Aissa, Salah Bezari, Hakim Merarda, Geospatial Management of water supply in Algerian territory, based on the Water Stress Indicator analysis</p> <p>ID82: Khaoula MISSOUM, Abdel Illah Nabil KORTI, Hocine GUELLIL, Experimental study of heat transfer characteristics during paraffin melting in a rectangular cavity</p> <p>ID158: Sakina Behilil, Mounia Hendel, Mostefa Brahimi A Modeling of Different Schemes for Electrical Faults Simulation in Photovoltaic Panels.,</p> <p>ID217: TAOUAF LAKHDAR, Time series forecasting of Average daily solar energy production for Photovoltaic power station using ARIMA model</p> <p>ID263: Badaoui Abdelhamid, Bendaho Djelloul, Djellouli Omar, Menni Younes, Numerical Study of Structural, Electronic and Magnetic Properties of Perovskites ABO₃ (A= Sr, Rb and B=Ti, Rh, Ru)</p> <p>ID55: BOUGHFI Habib, BOUSBAA Hamza Etude of turbulent combustion in a dual-fuel engine</p>	<p>ID248: Numerical study of the effect of the spacing rate between impinging jets on the cooling of a hot plate</p> <p>ID266: Numerical study of the performance of a cross flow heat exchanger: effect of tube shapes</p> <p>ID228: Performance comparison between droop control and Virtual Synchronous Machine (VSM) control under load variation</p> <p>ID64: Performance study of a new prototype of the photovoltaic - hydrogen hybrid system with electrolyzer</p> <p>ID153: Revolutionizing Renewable Energy: Thermoelectric Generator (TEG) as a Viable Source of Sustainable Power</p> <p>ID32: Robust Fuzzy Sliding Mode Current and Flux Observer for Speed Sensorless Control of Induction Machine Drive</p> <p>ID243: Sliding mode control of a DFIG integrated into a wind energy production system</p> <p>ID99: Sliding Mode Control of a Wind Turbine System Based on a Permanent Magnet Synchronous Generator</p> <p>ID195: Static study of the cracked dynamic rotor system: Analyzed using Ansys Workbench</p> <p>ID156: Thermal study of a coaxial heat exchanger</p> <p>ID179: Digital study of a drone DELTA type screened by bales</p> <p>ID221: Valorization of Olive Waste into Dual-Converted Green Fuels</p> <p>ID27: Sensitivity Assessment of GTN Damage Parameters: Application in Simulating Ductile Fracture of Notched Plates</p> <p>ID285: Crack identification in beam-like structure based on RBF technique</p> <p>ID304: A FrameWork of Smart Building New energy saving system based on wireless sensor networks</p> <p>ID261: A reduced Complexity of UWB Rake by using time domain equalizer in TH-UWB Systems</p> <p>ID299: Comparative study of chemically synthesized nanocomposites obtained by different polymers and Titanium (IV) oxide nanoparticle</p>

<p align="center">Master students Workshop <i>Posters Session Jury Members</i> <i>Dr. Ait Sidhoum, Dr Mentefa A, Dr. Dr. Berkane K C, Mr. Sekkal, Djellouli Omar, Dr. Khessam, , Dr. Brahimi M, Dr. Radjaa I</i> <i>Dr. Benotman N</i></p>
<p>ID M01: Aisha Semghouni, Zineb Gheffari and Zakaria Belabed On the free vibration analysis of metal foam Timoshenko beams using an improved finite element formulation</p>
<p>ID M02: Bouchikhi Nasreddine, Bouddou Abdel Waheb, Belmamoun Abdelhamid, Bouddou Riyadh Optimal Sizing and Placement of Distributed Generation with Short-Circuit Analysis Using a Combined Technique Based on Modified PSO and ETAP</p>
<p>ID M03: H. Rebhi 1, W. Amara 1, A. Kebir 1, Z. Amara 1 2, H. Amara 3 sizing and optimization of a multi-source PV-wind system</p>
<p>ID M04: BOUDAUD AMINE MORSLI, LAKHDER AYHAR, CHARIFA BERKANE KRACHAI, ; FAYSSAL ELYAMANI BENMOHAMED Study and simulation of the MPPT control algorithm for a photovoltaic system using the algorithm of incremental conductance and the P&O</p>
<p>ID M05: Lamri Mohammed Advancements in cycle gas turbin technology insights from the PGT25-LM2500</p>
<p>ID M06 : Abdessamed MOUISSAT, Zakarya BOUAOUINA , Imene AIT SIDHOIM The analysis of the stability of plates in composite materials advances (FGM)</p>

ID M07: Mohammed Nadji KADDOUR, Mohammed MIMOUNI, Imene AIT SIDHOUM <i>The Dynamic Response Of 1D Structures In Functionally Graded Materials</i>
ID M08: A.SAADA, S.BELHACHI , A.BRAHIMI , M.C.SEKKAL <i>Study and Implementation of an automatic system for cleaning photovoltaic panels based on an Arduino board</i>
ID M09: I. Nouari , M.Harkati , B. Labeled , A. Saada , M. Sekkal <i>Study and Implementation of Wind direction tracker</i>
ID M10: Hadjadj Mouna*, Khessam Medjdoub, Berrghioua Latifa, Oumoussa Amel <i>Optimizing a Hybrid Storage System Integrating Lithium-Ion Batteries with supracapacitors</i>
ID M11: S.Belhachi , A.Saada, A.Brahimi , M.C.Sekkal <i>Study of the electrical characteristics of photovoltaic solar panels under the effect of two failures</i>

Online session		Monday 13 th ,2024 14:00-19:00	
PLENARY Online SESSIONS		11:00-15:00	
<div>Pr Frede Blaabjerg (Aalborg University, Denmark)</div> <div>Dr Samir Abood (Prairie View A&M University USA)</div> <div>Dr SAAD Mkhielef (Swinburne University of Technology Australia)</div> <div>Dr Miguel (University of Alicante Spain)</div> <div>Dr Hassan Haes Alhelou (Monash Australia / MIT USA)</div> <div>Mr Brahim Bouguettaya (SARL ESLI)</div>			
Online session Jury Members			
Dr. Abdelghani Bouzian, Dr Bouddou R, Dr. Haouam I, Dr. Radjaa, Dr. Benaissa B, Dr Mentefa A, Dr. Ait Sidhoum I, Dr. Amara Z, Pr. Naima K Dr. Kaid N			
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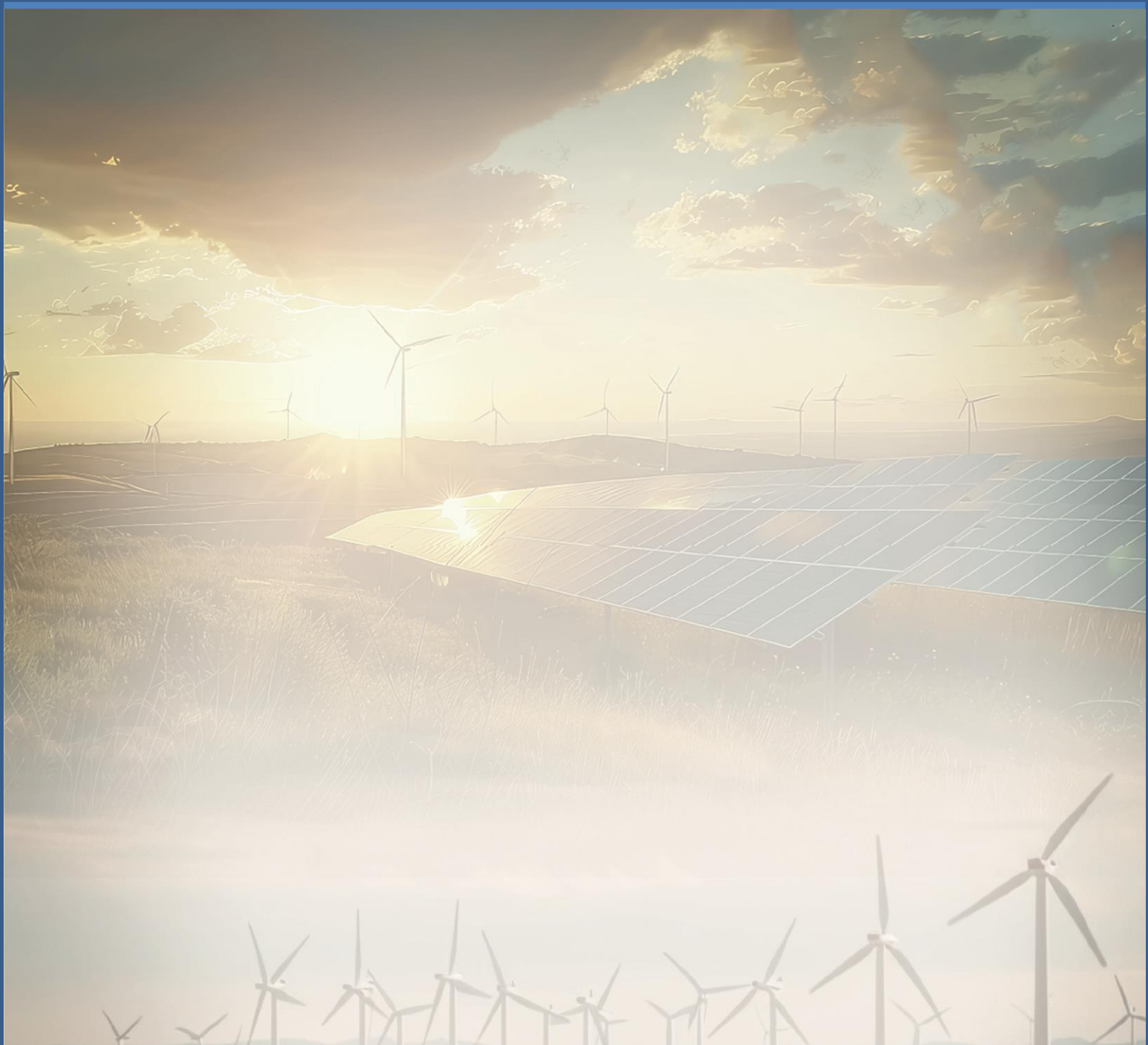
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