



THE THIRD INTERNATIONAL CONFERENCE ON
Energy Transition and Security
3ICETS 2026

27 – 28 October 2026 · Adrar, Algeria

PROGRAM

DAY 1 · Tuesday 27 October 2026		DAY 2 · Wednesday 28 October 2026	
08:00–09:00	Welcome & Registration	08:00–09:00	Poster Session 03
09:00–10:30	Opening Ceremony	09:00–09:35	Keynote 4 · Prof. Mohamed Becherif
10:30–11:10	Keynote 1 · Prof. Saad Mekhilef	09:40–10:10	Keynote 5 · Prof. Lyes Lakhal
11:10–11:50	Keynote 2 · Prof. Belkacem Ould Bouamama	10:10–10:40	Poster Session 04 + Coffee/Tea
11:50–12:30	Poster Session 01 + Coffee/Tea	10:40–11:15	Keynote 6 · Prof. Adel Mellit
12:30–13:00	Keynote 3 · Prof. Maamar Taleb	11:15–13:00	Oral Session 02 · Rooms 01 · 02 · 03
12:30–14:30	Lunch & Prayer Break	13:05–13:30	Closing Ceremony
14:30–16:30	Oral Session 01 · Rooms 01 · 02 · 03	13:40–14:30	Lunch & Prayer Break
16:30–18:00	Poster Session 02	15:30–18:00	Visit to Tmaskhet-Tamest
		20:00	Gala Dinner

Ceremony

Keynote

Poster

Oral · Room 01

Oral · Room 02

Oral · Room 03

Break

Social

DAY 1 · Tuesday 27 October 2026 3ICETS2026 · Adrar

08:00–09:00	Welcome & Registration		المدرج المركزي Central Amphitheatre
09:00–10:30	Opening Ceremony آيات بينات من الذكر الحكيم النشيد الوطني كلمة السيد عميد الكلية: أ.د. عرباوي الياس كلمة السيد رئيس الملتقى: أ.د. حموده مسعود كلمة السيد مدير الجامعة: أ.د. بن عمر محمد الأمين والإعلان عن الافتتاح الرسمي للملتقى		
SESSION CHAIRS Prof. B. Draoui (U. Bechar) and Prof. I. Arbaoui (U. Adrar)			
10:30–11:10	KEYNOTE 1 Prof. Saad Mekheilef University of Technology, Melbourne, Australia « Wireless Power Transfer for Electric Vehicle Applications »		
11:10–11:50	KEYNOTE 2 Prof. Belkacem Ould Bouamama CRISTAL Laboratory, Polytech Lille, France « Green Hydrogen in North Africa & Algeria: From Technical Barriers to Global Hub »		
11:50–12:30	POSTER SESSION 01 + Coffee / Tea PV Modelling, Performance, MPPT & Solar Resource · 25 posters · boards P1-01 → P1-25		
SESSION CHAIRS Prof. A. Allali (USTOran) and Prof. T. Ghaitaoui (U. Adrar)			
12:30 -13:00	KEYNOTE 1 Prof. Maamar Taleb Electrical and Electronics Engineering Department, University of Bahrain « A Hybrid Grid-Wind Energy System Using Voltage Oriented Control and Class C Chopper For An Electric Charging Station »		
13:00–14:30	Lunch & Prayer Break		
ORAL SESSION 01 14:30–16:30 · 3 parallel rooms · 6 talks per room			
ROOM	Room 01 · Solar & PV PV Performance, Monitoring & Modelling	Room 02 · Power, Wind & Storage Storage, Hydrogen & Grid Integration	Room 03 · Smart, Nuclear & Env. Intelligent Systems, IoT & Advanced Materials
14:30–14:50	ID 143	ID 209	ID 187
14:50–15:10	ID 277	ID 237	ID 247
15:10–15:30	ID 330	ID 260	ID 258
15:30–15:50	ID 394	ID 321	ID 273
15:50–16:10	ID 395	ID 350	ID 309
16:10–16:30	ID 359	ID 274	ID 243
16:30–18:00	POSTER SESSION 02 Solar Thermal, Wind Energy & Environment · 27 posters · boards P2-01 → P2-27		

DAY 2 · Wednesday 28 October 2026 3ICETS2026 · Adrar

08:00–09:00

POSTER SESSION 03

Power Grids, Storage & Electric Machines · 27 posters · boards P3-01 → P3-27

SESSION CHAIRS

Prof. N. Benouzza (USTOra) and **Prof. S. Makhloufi (U. Adrar)**

09:00–09:35

KEYNOTE 3

Prof. Mohamed Becherif

UTBM, CNRS, Belfort, France

« *Electrical Vehicle: Battery or Fuel cell challenge* »

09:40–10:10

KEYNOTE 4

Prof. Lyes Lakhal

Institut polytechnique UniLaSalle Beauvais, France

« *From TOFoo to Energy Transition: Multimodal Data, Machine Learning and Deep Learning for Complex Industrial and Environmental Systems* »

10:10–10:40

POSTER SESSION 04 + Coffee / Tea

Intelligent Systems, Materials & Nuclear Safety · 25 posters · boards P4-01 → P4-24

SESSION CHAIRS

Prof. Tamali (U. Bechar) and **Prof. M. Roudane (U. Blida)**

10:40–11:15

KEYNOTE 5

Prof. Adel Mellit

University of Jijel, Algeria

« *Edge artificial intelligence for photovoltaic power plants: Monitoring, fault diagnosis and maintenance* »

ORAL SESSION 02 11:15–13:00 · 3 parallel rooms · 6 talks per room

ROOM	Room 01 · Solar & PV <i>MPPT Control, Solar Resource & Thermal Systems</i>	Room 02 · Power, Wind & Storage <i>Wind Energy, Electric Machines & Grid Control</i>	Room 03 · Smart, Nuclear & Env. <i>Nuclear Safety, Environment & Bioenergy</i>
11:15–11:33	ID 154	ID 159	ID 162
11:33–11:50	ID 262	ID 393	ID 271
11:50–12:08	ID 144	ID 405	ID 299
12:08–12:25	ID 348	ID 414	ID 306
12:25–12:43	ID 278	ID 181	ID 406
12:43–13:00	ID 251	ID 294	ID 334
13:05–13:30	Closing Ceremony <i>Central Amphitheatre</i>		
13:40–14:30	Lunch & Prayer Break		
15:30–18:00	Visit to Tmaskhet-Tamest		
20:00	Gala Dinner		

PROGRAMME AT A GLANCE

3ICETS2026 · 27–28 October 2026 · University of Adrar · three rooms, three topics

140

Papers presentations

36

oral talks · 2 sessions

104

posters · 4 sessions

6

keynote lectures

3

rooms · 3 topics

THE TWO DAYS ON ONE LINE

	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
DAY 1 · Tue	Reg.	Opening	K1	K2	P1	Lunch & prayer	ORAL 01 · 14:30–16:30	P2 · 16:30–18:00					
DAY 2 · Wed	P3	K3	K4	P4	K5	ORAL 02 · 11:15–13:00	End	Lunch		Visit · Tmaskhet-Tamest			Dinner

K = keynote · P = poster session · End = closing ceremony · grey = breaks / registration

ONE ROOM · ONE TOPIC

ROOM 01 Solar Energy, PV & Thermal Systems <i>12 oral talks · 33 posters</i> MPPT Control · PV Modelling · PV Performance · Solar Resource · Solar Thermal & Buildings	ROOM 02 Power Systems, Wind, Storage & Electric Mobility <i>12 oral talks · 32 posters</i> Electric Machines · Power Grids & Quality · Storage & Hydrogen · Wind Energy	ROOM 03 Intelligent Systems, Nuclear Safety, Materials & Environment <i>12 oral talks · 38 posters</i> AI, IoT & Sensors · Environment & Bioenergy · Materials & Devices · Nuclear Safety
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ORAL SESSIONS — THEME OF EACH ROOM

	Room 01	Room 02	Room 03
Oral 01 Tue 27 Oct · 14:30–16:30	PV Performance, Monitoring & Modelling <i>6 talks</i>	Storage, Hydrogen & Grid Integration <i>6 talks</i>	Intelligent Systems, IoT & Advanced Materials <i>6 talks</i>
Oral 02 Wed 28 Oct · 11:15–13:00	MPPT Control, Solar Resource & Thermal Systems <i>6 talks</i>	Wind Energy, Electric Machines & Grid Control <i>6 talks</i>	Nuclear Safety, Environment & Bioenergy <i>6 talks</i>

POSTER SESSIONS

Poster Session 01	Tue 27 Oct 11:50–12:30	PV Modelling, Performance, MPPT & Solar Resource <i>25 posters · boards P1-01 → P1-25</i>
Poster Session 02	Tue 27 Oct 16:30–18:00	Solar Thermal, Wind Energy & Environment <i>27 posters · boards P2-01 → P2-27</i>
Poster Session 03	Wed 28 Oct 08:00–09:00	Power Grids, Storage & Electric Machines <i>27 posters · boards P3-01 → P3-27</i>
Poster Session 04	Wed 28 Oct 10:10–10:40	Intelligent Systems, Materials & Nuclear Safety <i>24 posters · boards P4-01 → P4-25</i>

POSTER SESSION 01 · TUESDAY 27 OCTOBER 2026

PV Modelling, Performance, MPPT & Solar Resource

11:50–12:30 · Poster hall · 25 posters · boards P1-01 → P1-25 · authors stand by their posters for the whole session

SESSION CHAIRS Prof. A. Benatallah (Univ-Adrar) , Prof. B. Glaoui (Univ. Bechar) , Dr. D. Belatrache (U.Ouargla), Dr. M. Khaldi(U.Mascara) and Prof. A. Dahbi (Uerms)

Board	ID	Presenting author	Title of poster (with co-authors)	Affiliation	Topic
P1-01	164	Islam Hassani	Implementation of acquisition card for meteorological parameters of a photovoltaic system in a southern region <i>with Abdelmalek Ben Moulay Omar; Elhachemi Kouddad; Redha Bendoumia; Messaoud Hamouda</i>	Univ Adrar - DZ	PV Modelling
P1-02	165		Advanced Sparse Filtering Algorithm for Two-sensors Acoustic Noise Reduction <i>with Aicha Benyahia; Redha Bendoumia; Abdelkader Boudani</i>		AI, IoT & Sensors
P1-03	171	AOUN Nouar	Comparative Assessment of Data-Driven and Empirical Models for Photovoltaic Module Temperature Prediction Under Real Desert Conditions <i>with Laribi Slimane</i>	URERMS - DZ	PV Modelling
P1-04	386	Said Boudjana	Enhanced Grey Wolf Optimizer for Global Maximum Power Point Tracking in Photovoltaic Systems Under Partial Shading <i>with Mouloud Denai; Sakina Atoui; Hachemi Rahmani</i>	UDES-CDER - DZ	MPPT Control
P1-05	283	Ramadhan MASMOUDI	Design and Implementation of an Automated I-V/P-V Curve Tracer for Photovoltaic Systems <i>with Mohammed Kaddi; abdelhamid Bouali; ismail Saadi; Abdelhamid Benchikh (+1 more)</i>	Univ Adrar - DZ	PV Modelling
P1-06	319	Idris Bouchama	COMSOL-Based Numerical Investigation of the Effects of Active Layer Thickness and Operating Temperature on Perovskite Solar Cell Performance <i>with Wahiba Djerir; Faiza Benlakhdar; Abdelkader SAFOU; Mohand Tazerout (+3 more)</i>	Univ M'sila - DZ	PV Modelling
P1-07	340	Abdelhalim Mekhtiche	Data leakage and the extrapolation gap in machine learning surrogates for SCAPS-1D Perovskite Solar Cells <i>with Karim Bouchachia; Hadj Mouloudj</i>	Univ Médéa - DZ	PV Modelling
P1-08	374	Bacha Issam Eddine	Comparative Performance study of Machine learning for photovoltaic–thermoelectric hybrid system <i>with Kadri Syham</i>	Univ Bechar - DZ	PV Modelling
P1-09	407	ABDELGHANI bahakkou	Mathematical Modeling and Simulation of Solar Photovoltaic Module in MATLAB/Simulink <i>with Brahim BERBAOUI; Hassan DAHBI; Messaoud HAMOUDA; Erkan BOSTANCI (+1 more)</i>	Univ Adrar - DZ	PV Modelling
P1-10	266	Benaissa Rabie	Beta Parameter Optimized Using Dragonfly Algorithm Based on Maximum Power Point Tracking for Photovoltaic System <i>with Mansouri Smail; Ouledali Omar</i>	Univ Adrar - DZ	MPPT Control
P1-11	365	Abderrahmane Smahi	A Seamless Hybrid GWO-P&O MPPT Controller for PV Systems Under Partial Shading <i>with Salim Makhloufi</i>	Univ Adrar - DZ	MPPT Control

Board	ID	Presenting author	Title of poster (with co-authors)	Affiliation	Topic
P1-12	380	Taha Bachir Ammour	Metaheuristic Optimization in Photovoltaic Systems: A Comprehensive Review of MPPT Strategies under Partial Shading <i>with Mohammed KADDI; Mohammed OMARI; Ramadhan Masmoudi</i>	Univ Adrar - DZ	MPPT Control
P1-13	145	Lahbib Mebarek	Analytical Study of the Metallic Properties of MC4 Connectors	Univ Adrar - DZ	PV Performance
P1-14	151	ELKHARRAZ Abd-el-Kader	A new acceleration law for modeling the lifetime of photovoltaic modules in a Saharan environment <i>with Boussaid Mohammed; Djarfour Nouredine</i>	Univ Adrar - DZ	PV Performance
P1-15	282	Abderrahmane Khelfaoui	Optimizing Energy Consumption Powered by a Hybrid System in a Saharan Climate through Heating Load Validation <i>with Abdeldjalil Dahbi; Boudjemaa Tidjar</i>	URERMS - DZ	PV Performance
P1-16	286	Bachir Harfak	Study of the design of a hybrid system based on renewable energies to power an remote site	Univ Adrar - DZ	PV Performance
P1-17	363	Aicha Moulay	Assessment of PV Performance in Normal Case and under Dust-Effect using Experimental Data	Univ Adrar - DZ	PV Performance
P1-18	396	Mahmoud El Amri	Techno-Economic Optimal Sizing of a Hybrid PV–Wind SWRO System <i>with Ferdaws Ben Naceur; Chokri Ben Salah</i>	Univ Monastir - TN	PV Performance
P1-19	161	Oulimar IBrahim	Mapping Solar Radiation Using MSG Satellite Imagery: Methods, Applications, and Prospects <i>with Kada Bouchouicha; Mebrouk Bellaoui; Abdedjabar Babahadj</i>	URERMS - DZ	Solar Resource
P1-20	163	Saidi Ahmed	Impact of Kernel Selection on Gaussian Process Regression Performance for PV Power Forecasting: A Comparative Study <i>with ABDELOUAHED Touhami; DRAOUI Abdelghani; TOUBAL MAAMAR Alla Eddine</i>	Univ Adrar - DZ	Solar Resource
P1-21	267		An Explainable Machine Learning Framework for Power Quality Diagnostics in EVSE and PV Integrated Microgrids <i>with Touhami Abdelouahed; DRAOUI Abdelghani</i>		Power Grids & Quality
P1-22	235	Babahadj Abdeldjbar	Forecasting Daily Global Solar Radiation Utilizing Temperature with ANFIS: The Case of Touat, Algeria <i>with Bellaoui Mebrouk; Bakou Youcef; Oulimar Brahimi</i>	URERMS - DZ	Solar Resource
P1-23	369	Omar Ouledali	A Study of Climate Change's Impact on Solar Energy Generation in Arid Zones: The Case of Tamanghasset, Southern Algeria. <i>with Mohammed Bouzidi; Abdelfatah NASRI; Messaoud Hamouda; Abdelmoumen Chandad (+1 more)</i>	Univ Adrar - DZ	Solar Resource
P1-24	295		SVM Approach-Based Direct Torque Control of a DFIG used in a Wind Turbine <i>with Ibrahim Yaichi; Mohamed Aoumri; Seddik Baala</i>		Wind Energy
P1-25	167	Laribi Slimane	Impedance-Based Neural Network Model for Diagnosing Water Management in Fuel Cells for Electric Vehicles <i>with arama fatima Zohra; LAKRIM Chahrazed; MAMMAR Khaled</i>	Univ Adrar - DZ	Storage & Hydrogen

POSTER SESSION 02 · TUESDAY 27 OCTOBER 2026

Solar Thermal, Wind Energy & Environment

16:30–18:00 · Poster hall · 27 posters · boards P2-01 → P2-27 · authors stand by their posters for the whole session

SESSION CHAIRS Prof. B. Aour (ENP-Oran), Dr M. Fodil (Univ. Mascara), Dr M. Benabdefattah (Univ. Adrar), Prof. S.Kalloum(Univ. Adrar) and Dr M. Djaafri(Urerms)

Board	ID	Presenting author	Title of poster (with co-authors)	Affiliation	Topic
P2-01	318	Oussama HARROUZ	Intra-Hour PV Power Forecasting Using EMD-LSTM: A Case Study of grid-connected PV system in Adrar City, Algeria <i>with Djelloul Benatallah; Ferial ELROBRINI</i>	Univ Adrar - DZ	Solar Resource
P2-02	149	Salah MEDGUEDEM	Numerical Simulation (CFD) of Turbulent Flow and Pressure Drop in Artificially Rough Annular Channels Using ANSYS-Fluent <i>with Boumaza Mokadem; Mehdi Menaour; LAOUAR Soufiane; Mohammedi brahim (+2 more)</i>	CRNB - DZ	Solar Thermal & Buildings
P2-03	152	Ahmed Youcef	Characterization of Flow Structures in a Thermo- Solar Channel Using Transverse Obstructions	CDER - DZ	Solar Thermal & Buildings
P2-04	172	Houcine Moungar	Innovative Drying Methods for Azolla: Case Study of Agro-Food Production in Arid Conditions	URERMS - DZ	Solar Thermal & Buildings
P2-05	178	Zine Saadi	Thermodynamic, Sustainability, and Climate-Based Assessment of a Solar-Driven Ejector Cooling System in Adrar, Algeria	URERMS - DZ	Solar Thermal & Buildings
P2-06	207	Mourad Bendekhis	Seasonal Hygric Behaviour at the CM/DPC Interface: Moisture Content and Discontinuity	(affiliation not stated)	Solar Thermal & Buildings
P2-07	252	Menacer Dalila	Bidimensionel dynamic study of heated closed cavity	URERMS - DZ	Solar Thermal & Buildings
P2-08	270	Meriam Foullanine	Drying Kinetics and Quality Assessment of Grapes in an Indirect Solar Dryer with Forced Convection <i>with Djedjiga Boukhlef; Ahmed Mediani; Akil Loumani; Ahmed Amine Larbi (+3 more)</i>	URERMS - DZ	Solar Thermal & Buildings
P2-09	305	Mohammed Belaghit	Optimizing Depth-Graded Protrusion Geometry in Retrofitted Oil-Well Geothermal Heat Exchangers via Combined Energy--Exergy Analysis. <i>with Rachid Saim</i>	Univ Tlemcen - DZ	Solar Thermal & Buildings
P2-10	315	Ahmed HAIDOUR	Influence of Geometric Parameters on the Effective Length of a Compact Heat Exchanger: Application to a Refrigerant/Air Condenser <i>with Achour MANSOURI; Hamou SOUALMI; Boumediene TOUATI; Farouk MEGUELLATI</i>	Univ Bechar - DZ	Solar Thermal & Buildings
P2-11	338	Rabéa Kaoulal	Adapting the Rumianowski Thermal Network for Flat-Plate Solar Air Collector Modeling: Experimental Validation and Comparison with the Nodal Method <i>with Faycal Boussef</i>	Univ Adrar - DZ	Solar Thermal & Buildings
P2-12	418	Manale Slimani	Evaluating Outdoor Thermal Comfort Across Three Street Configurations Using ENVI-met Simulation : The Case of Béchar City <i>with Farhi Abdeallah ; Draoui Belkacem; Abdellatif Oudrane</i>	Univ Bechar - DZ	Solar Thermal & Buildings
P2-13	160	Lakhdar SAIHI	Optimized Fuzzy Logic Control Using Grey Wolf Optimizer for Variable-Speed DFIG Wind Energy Conversion Systems <i>with Abdelmalek BEN MOULAY OMAR; Mourad OTHMANI</i>	URERMS - DZ	Wind Energy

Board	ID	Presenting author	Title of poster (with co-authors)	Affiliation	Topic
P2-14	366		Real-Time Sliding Mode MPPT for PMSG Wind Energy Systems <i>with Khayra ROUMMANI; Fateh FERROUDJI; Khaled KOUSSA; Bellaoui Mebrouk (+2 more)</i>		Wind Energy
P2-15	177	Reda Laouini	Evaluation of Hydrocarbon-bearing zones in multi formation Reservoirs: A Case study from the Berkaoui region, Algeria <i>with Hamza Laouini; Fethi Medjani; Ikkal Ladjali</i>	Univ Ouargla - DZ	Environment & Bioenergy
P2-16	200	Asma Nouioua	NaCl-Rich Brine-Mediated Removal of a Ternary Dye Mixture: A Sustainable Approach to Wastewater Treatment <i>with Dhirar Ben Salem; Saadia Guergazi</i>	Univ Biskra - DZ	Environment & Bioenergy
P2-17	208	Ahmed Benlaria	Volatility Forecasting for Energy Security: ANFIS, LSTM, and MLP on Crude-Oil Realized Volatility During Market Disruptions <i>with Mohamed Mediani</i>	Univ Adrar - DZ	Environment & Bioenergy
P2-18	236	Kamel Hadri	Optimizing Biogas Conversion from Alcoholic Fermentation Wastes of Balanites aegyptiaca <i>with Ahmed Boulal; Achour Bensaid; Malika Abassi; Zahira Azzaoui</i>	URERMS - DZ	Environment & Bioenergy
P2-19	250	Bouteiba ali	Enhanced Photocatalytic Degradation of Rhodamine B under UVA Irradiation Using BiOCl and TiO₂ Modified X₂Cr-LDH (X = Cu, Ni) Nanocomposites <i>with Bettaha Nourredine</i>	Univ Oran - DZ	Environment & Bioenergy
P2-20	257	Rabah BENABID	A New Multi-Objective Formulation for Energy Planning Using MESSAGE Code and Matlab Coupling	CRNB - DZ	Environment & Bioenergy
P2-21	263	Samia DAAS	Optimal Cost of the Preventive Environmental Pollution Strategy of the Flaring Systems Based on the Fuzzy Entropy FTA and MOORA Method <i>with Fares INNAL</i>	Univ Batna 2 - DZ	Environment & Bioenergy
P2-22	269	Damba Nadhir	Carob as a Green Energy Resource: Exploiting Drought-Resistant Crops for Biofuel Production <i>with Djaber Abdelkrim; Oudrane Abdellatif; Habchi Abdelmadjid; Foulanine Mariema (+1 more)</i>	Univ Adrar - DZ	Environment & Bioenergy
P2-23	311	Hamza Ourezifi	Energy System Optimization and Planning Study using MESSAGE and OSeMOSYS(MUIO) Models <i>with Bilal Sari; Rabah Benabid</i>	USTHB - DZ	Environment & Bioenergy
P2-24	339	Said Slimani	Performance Evaluation and Dysfunction Diagnosis of Timimoun Hyper-Arid WWTP with Machine Learning Prediction <i>with Habchi Abdelmadjid</i>	Univ Adrar - DZ	Environment & Bioenergy
P2-25	362	GHAITAOUI Essama Ahmed	Effect of Gas Flow Configuration on the Ozone Generation Efficiency of a Cylindrical Dielectric Barrier Discharge Reactor <i>with NASSOUR Kamel; NEMMICH Said; OULAD NAOUI Brahim El Khalil; GHAITAOUI Touhami (+2 more)</i>	Univ Sidi Bel Abbès - DZ	Environment & Bioenergy
P2-26	364	Abdelmadjid HABCHI	Assessment of the Physicochemical Quality of Treated Wastewater from Timimoun Wastewater Treatment Plant (Algeria) <i>with Said SLIMANI; Nadhir DAMBA; Cheikh ZAID MOHAMMED; Med Elamine DAHOU</i>	Univ Adrar - DZ	Environment & Bioenergy
P2-27	379	Khelifi Omar	Biofuel production from Low-cost biomas by Sacchrification and fermentation: effect of substrate dose <i>with Nassima Djihane Zemani; Hamza Laksaci; Iliace Arbaoui; Ramdhane Masmoudi (+3 more)</i>	Univ Adrar - DZ	Environment & Bioenergy

POSTER SESSION 03 · WEDNESDAY 28 OCTOBER 2026

Power Grids, Storage & Electric Machines

08:00–09:00 · Poster hall · 27 posters · boards P3-01 → P3-27 · authors stand by their posters for the whole session

SESSION CHAIRS Prof. F. Farroudji (URERMS) , Prof .B. Berbaoui (Univ. Adrar), Prof. R. Maoudj (Urerms), Dr. A.Hartani (Univ. Adrar) and Dr H. Dahbi (Univ-Adrar)

Board	ID	Presenting author	Title of poster (with co-authors)	Affiliation	Topic
P3-01	389	Mohammed AOUMRI	Super-Twisting Algorithm for Sliding-Mode Control Chattering Mitigation and Power Quality Enhancement in PMSG-Based Wind Energy Conversion Systems <i>with Abdelkader HARROUZ; Brahim BERBAOUI; Ibrahim YAICHI; Korhan KAYISLI (+1 more)</i>	Univ Adrar - DZ	Wind Energy
P3-02	166	smaïl Latifa	Multi-Objective Optimization of Wind Power Placement Using SVC for Enhanced Voltage Stability and Loss Reduction <i>with Tadjeddine Ali abderrazak; Souhila Boudjella; Zenagui Nour elhouda; Bechekir Seyf Eddine (+1 more)</i>	Univ El Bayadh - DZ	Power Grids & Quality
P3-03	419	Brahim Dahhou	Control strategy of a Wind Energy Conversion System based on DFIM	Univ Oran - DZ	Wind Energy
P3-04	242		Advanced Adaptive Predictive Control Strategy for Three-Phase Active Power Line Conditioner (APLC): Design, Analysis, Through Simulation <i>with Berbaoui Brahim; Glaoui Hachemi</i>		Power Grids & Quality
P3-05	182	Ali Abderrazak TADJEDDINE	Impact of High PV Penetration on the Algerian SENB Grid: Stability Analysis and Optimal Control Using FACTS and Metaheuristics <i>with Soumia Djelaila; Yassine Boudouaoui; Latifa Smaïl; Iliace Arbaoui (+1 more)</i>	Univ El Bayadh - DZ	Power Grids & Quality
P3-06	424	Nacera Yassa	Analytical model of The five phase permanent Magnet Synchronous Machine Under Unbalanced Voltage	Univ Bouira - DZ	Electric Machines
P3-07	297	Bakari Mohamed	A descriptive study of data transmission over the electrical grid using PLC communication technology <i>with Ouledali Omar; Arama Fatimazohra; Makhoulfi Ibrahim</i>	Univ Adrar - DZ	Power Grids & Quality
P3-08	312	Samira Benharat	Geometric Parameters and Surface Pollution effect on the Insulation Performance of a Point–Barrier–Plane System <i>with dyhia Doufene</i>	USTHB - DZ	Power Grids & Quality
P3-09	316	Lysa AIT MESSAOUD	Branch-Aware SHE Angle Generation for a Three-Level NPC Inverter: Neural and Lookup-Table Surrogates for Online Operation	Univ Blida 1 - DZ	Power Grids & Quality
P3-10	317	Oualid Djoudi	Advanced virtual flux droop control for grid-forming inverter control in an islanded AC microgrid <i>with Sofia Belaid Lalouni; Salah Tamalouzt</i>	Univ Béjaïa - DZ	Power Grids & Quality
P3-11	331	DYHIA Doufene	Electro-Quasistatic Analysis of Dry-Band Flashover Dynamics in 400 kV Polluted Composite Insulators <i>with SAMIRA Benharat</i>	USTHB - DZ	Power Grids & Quality
P3-12	356	Ammar RAMDANI	Distributed Model Predictive Control for Renewable-Rich Smart Grids with Cooperative Multi-Agent Coordination	CDTA - DZ	Power Grids & Quality

Board	ID	Presenting author	Title of poster (with co-authors)	Affiliation	Topic
P3-13	368	AMMOUR Oussama	State-Based Reconfiguration of a 7-Level Cascaded H-Bridge Inverter for Photovoltaic Systems <i>with mohammed Della Krachai; Midoun Abdelhamid; Asmaa Addou</i>	Univ Oran - DZ	Power Grids & Quality
P3-14	370	Touhami ABDELOUAHED	Voltage Stability Assessment and Their Improvement Using STATCOM and SVC <i>with Ahmed SAIDI; Alla Eddine TOUBAL MAAMAR; Hicham BOUREGBA; Abdelghani DRAOUI (+1 more)</i>	Univ Boumerdès - DZ	Power Grids & Quality
P3-15	168	Ikhlas Boulhares	impact of Single-Phase loss Fault in an Induction Motor on Electric Vehicle Battery Performance <i>with Makhlofi salim</i>	Univ Adrar - DZ	Storage & Hydrogen
P3-16	298	Farid Saadaoui	Energy management of a hybrid system intended for an isolated site in the Algerian Sahara near Bechar, integrating (PV, Wind turbine, PEMFC, Lithium-Ion battery and supercapacitor) <i>with Boumediene Benabdallah Sereir; Charifa Berkane Karachai</i>	Univ Mascara - DZ	Storage & Hydrogen
P3-17	336	SEHLI Abdelkrim	Dynamic Simulation and Stability Analysis of a Green Hydrogen Production System under Desert Climatic Fluctuations <i>with MERABT Ahmed; BENABDERRAHMANE Farhat; MEBARKI Brahim</i>	Univ Bechar - DZ	Storage & Hydrogen
P3-18	376	Tinhinane Boumertit	Comparative Assessment of Artificial Neural Network and Conventional Energy Management Strategies for Residential PV-Battery Systems <i>with Zahra Mokrani; Kassa Idjedarene; Adel Oubelaid; Djamila Rekioua (+1 more)</i>	Univ Béjaïa - DZ	Storage & Hydrogen
P3-19	388	Chahrazed Lakrim	Advanced Hybrid Energy Storage System With MPC Voltage Regulation and Rule-Based EMS for Electric Vehicle Microgrids Under Saharan Climatic Conditions <i>with Amine HARTANI; Slimane LARIBI; Khaled MAMMAR</i>	Univ Adrar - DZ	Storage & Hydrogen
P3-20	412	Amine HARTANI	Energy Management and Voltage Stabilisation of an Isolated Agri-DC-Microgrid Using PV-Wind co-generation, Hybrid Energy Storage, and Tractor-to-Home <i>with Fadila Tahiri; Aissa Benhammou; Abdallah Laidi</i>	Univ Adrar - DZ	Storage & Hydrogen
P3-21	423	Oussama Hafsi	Voltage-Stabilizing Coordinated Control of Battery Supercapacitor HESS in PV-Integrated DC Microgrids	Univ Adrar - DZ	Storage & Hydrogen
P3-22	244	Hamid Khelfi	A Noise-Resilient Square Root Demodulation Strategy for Induction Motor Broken Bar Diagnosis in Harmonic-Rich Environments <i>with Hamza Ourezifi; zineb Ammari; Samir Hamdani; Salim Hamouda</i>	USTHB - DZ	Electric Machines
P3-23	320	Ammar GOURI	Physics-Informed Electromechanical Degradation Modeling of an Industrial Electric Control Valve Actuator <i>with Chouaib Rahli; Ahmed BOURAIOU</i>	Univ Annaba - DZ	Electric Machines
P3-24	391	Yasmina Tabouri	Performance Evaluation of STDR and CTD for Fault Diagnosis in Noisy and Distributed Wired Networks	Univ Sidi Bel Abbès - DZ	Electric Machines
P3-25	392		Controlled Sensor Excitation for Interference Isolation in Continuous Distributed Reflectometry		Electric Machines

Board	ID	Presenting author	Title of poster (with co-authors)	Affiliation	Topic
P3-26	403	Ibrahim Boussaid	Multivariate Fault Classification of Three-Phase Induction Motors Using Discrete Wavelet Transform and 1D Convolutional Neural Networks <i>with Elabbes Maatallah; Khadidja Benmoussa; Omar Ouledali; Messaoud Hamouda</i>	Univ Adrar - DZ	Electric Machines
P3-27	411	Maatallah Elabbes	Comprehensive Analysis of Load Faults in Three-Phase Induction Motors: A Multivariate Monitoring and Diagnostic Framework <i>with Boussaid Ibrahim; Benmoussa Khadidja; Ouledali Omar; Hamouda Messaoud</i>	Univ Adrar - DZ	Electric Machines

POSTER SESSION 04 · WEDNESDAY 28 OCTOBER 2026

Intelligent Systems, Materials & Nuclear Safety

10:10–10:40 · Poster hall · 25 posters · boards P4-01 → P4-25 · authors stand by their posters for the whole session

SESSION CHAIRS Prof. S.Abudura (U.Adrar) , Prof. M.Boussaid (U.Adrar), Prof. M.Kaddi (Univ-Adrar) , Prof. D.Saba (Urerms) and Prof. D. Benatallah (Univ-Adrar)

Board	ID	Presenting author	Title of poster (with co-authors)	Affiliation	Topic
P4-01	275	Athmane Gheziel	Influence of Respirable Fraction Variability on Cobalt-60 Atmospheric Dispersion and Its Radiological Impacts <i>with Ahmed Ghadbane; Lakdhar Benatallah; Achene Loubar</i>	CRNB - DZ	Nuclear Safety
P4-02	293	Ahmed HADJAM	Thermal-Hydraulic Assessment of Passive Natural Circulation in the NuScale SMR for Reliable Electricity Generation and Cogeneration toward Energy Transition and Security <i>with Ahmed HADJAM</i>	CRNB - DZ	Nuclear Safety
P4-03	296	Amel DADDA	Comparative Analysis of Source Term Releases to the Environment during Hypothetical Accidents in Two Types of Generation-III Nuclear Power Plants <i>with Abdelleh BOUAM</i>	CRNB - DZ	Nuclear Safety
P4-04	351	Said Touati	Integrated Modeling and Model Predictive Energy Management of a Small Modular Reactor Coupled with Reverse Osmosis Desalination <i>with Touati Said</i>	CRNB - DZ	Nuclear Safety
P4-05	146	Abdelkader Lichti	A Review of Hybrid DV-Hop Algorithms Driven by Nature-Inspired Metaheuristics <i>with Seddik RABHI</i>	Univ Adrar - DZ	AI, IoT & Sensors
P4-06	410		Somatosensory Cortical Mapping for Bayesian Sensor Localization Using RSSI and Centroid-Based Spatial Priors <i>with Seddik RABHI</i>		AI, IoT & Sensors
P4-07	148	Ayyoub Yassine Benlaria	Optimizing Convolutional Neural Networks for Arabic Handwritten Character Recognition <i>with Ismail Benlaria</i>	Univ Adrar - DZ	AI, IoT & Sensors
P4-08	155	Ahmed Bouraiou	Design and Implementation of a SCADA-Based Temperature and Humidity Monitoring System Using Siemens TIA Portal and Arduino <i>with Azzeddine Dekhane; Chouaib Rahli; Abdeldjalil Dahbi; Ammar Necaibia</i>	URERMS - DZ	AI, IoT & Sensors
P4-09	188	Sarra Gourari	Performance Analysis of AI-Driven Smart Irrigation Systems in an IoT Environment <i>with Wafa Difallah; Belkacem Draoui</i>	Univ Bechar - DZ	AI, IoT & Sensors
P4-10	254	Fatima Zohra Baouche	An Embedded IoT Platform for Epileptic Seizure Monitoring <i>with Sabah Benzeghda; Wahiba Menasri; Salam Abodura; Aiad Missoume (+1 more)</i>	Univ Khemis Miliana - DZ	AI, IoT & Sensors
P4-11	303	Abdelhamid BENCHIKH	An Evolutionary Review from Layered Energy Optimization to Cross-Layer Intelligence in Wireless Sensor Networks <i>with Mohammed KADDI; Mohammed OMARI; Ramadhan MASMOUDI</i>	Univ Adrar - DZ	AI, IoT & Sensors
P4-12	352	Tayebi Abderrazeq	The Impact of Dynamic Coverage on Energy Efficiency in Wireless Sensor Networks: A Comparative Review <i>with Azizi Tarek; Kaddi Mohammed; Omari Youcef</i>	Univ Tamanghasset - DZ	AI, IoT & Sensors

Board	ID	Presenting author	Title of poster (with co-authors)	Affiliation	Topic
P4-13	361	Meriem Ben Aichaoui	Hybrid Routing Protocol based on a Tabu-Memory-guided Firefly Algorithm (HRP-TMFA) <i>with Mahmoud ZAYDI; Mohamed Demri</i>	Univ Adrar - DZ	AI, IoT & Sensors
P4-14	398	Mohammed Haibaoui	Compound Scaling vs. Depthwise Separable Convolutions: A Comparative Study of EfficientNet and MobileNet Families for Low-Data CBIR <i>with Mohammed Omari; Mohammed Kaddi</i>	Univ Adrar - DZ	AI, IoT & Sensors
P4-15	399		Feature Dimensionality and Retrieval Performance in Low-Data Content-Based Image Retrieval: A Comparative Study of ResNet50 and VGG <i>with Mohammed Omari; Mohammed Kaddi</i>		AI, IoT & Sensors
P4-16	401	Moumni Mohammed Salem	Does Local Repair Pay Off? Quantifying Greedy Redundancy Elimination Inside a Genetic Algorithm for Emitter Activation in Precision Irrigation <i>with LOUKIL Lakhdar; BENYAMINA Abou Elhassen; BEKHEDDA Assia Marwa</i>	Univ Oran - DZ	AI, IoT & Sensors
P4-17	408		Hybrid and Memetic Algorithms for the Sensor Covering Problem: A Survey <i>with LOUKIL Lakhdar; BENYAMINA Abou Elhassen; TAYEBI Abderrazeq</i>		AI, IoT & Sensors
P4-18	349	Adda Adel Belherazem	Design of a Cost-Effective Raspberry Pi Autonomous Boat for Aquatic Environments <i>with Mohammed Amine ZAFRANE; Houari AOUE</i>	Univ Oran - DZ	AI, IoT & Sensors
P4-19	337	Mustapha Abdelaoui	Magneto-Diffusion Numerical Simulation and Theoretical Analysis of Germanium P⁺N Junctions for Predictive Magnetic Sensor Design <i>with Omar Ouledali</i>	Univ Adrar - DZ	Materials & Devices
P4-20	346	Faiza Benlakhdar	Electric Field Analysis for Interfacial Air-Void Detection in Hybrid Aluminum–Epoxy–GFRP Structures Using Capacitive Sensing <i>with Wahiba Djerir; Idris Bouchama; Abdelkader SAFOU; Mohand Tazerout (+3 more)</i>	CRTI - DZ	Materials & Devices
P4-21	390	Sabrina AMRAOUI	Dielectric Behaviour and Structural Evolution of PVC/Al₂O₃ Nanocomposites under Prolonged Thermal Stress	UMMTO Tizi Ouzou - DZ	Materials & Devices
P4-22	404	Chahinaz Agaba	ANN-Assisted Window Level Multiclass Classification of Nominal BaTiO₃ Loading in Epoxy Composites Using Broadband TDR <i>with Mohamed Bouchama; Nacerdine Bourouba; Habib Khouni; Juan Pablo Martínez Jiménez (+1 more)</i>	Univ Sétif 1 - DZ	Materials & Devices
P4-23	413	Fatna Bahlouli	Electromagnetic Analysis of a Planar Micro-Coil with Fixed Track Width <i>with Fatima Zohra MEDJAOUI</i>	Univ Oran - DZ	Materials & Devices
P4-24	416	Abdallah Laidi	Electromagnetic Analysis of a Planar Micro-Inductor with Variable Conductor Width for High-Frequency Power Conversion	Univ Adrar - DZ	Materials & Devices
P4-25		Abdelkader Lichti			

ORAL SESSION 01 · ROOM 01 · TUESDAY 27 OCTOBER 2026

Solar Energy, PV & Thermal Systems

Session theme: PV Performance, Monitoring & Modelling

WHEN Tue 27 Oct · 14:30–16:30	WHERE Room 01	TALKS 6 · 20 min each	FORMAT 15 min talk + 5 min discussion	
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SESSION CHAIRS **Prof. A.Aissat (Univ-Adrar) and Dr .S. Mansouri (Univ. Adrar)**

1	2	3	4	5	6
14:30	14:50	15:10	15:30	15:50	16:10

#	Time	ID	Title of the paper (with co-authors)	Presenting author	Affiliation	Topic
1	14:30–14:50	143	Systems-Based Energy Optimization of Groundwater Pumping: A Case Study of the Tilillane-4- Network in Adrar, Algeria <i>with Mohammed TAMALI; Samir MOUHADJER; Tahar TOUAHRI</i>	Malika Allali	URERMS - DZ	PV Performance
2	14:50–15:10	277	Intelligent Fault Detection and Classification in Photovoltaic Systems Using Machine Learning Techniques <i>with Lakhdar Chaib; Abdelghani Choucha; Mohammed Taj</i>	Mahmoud Hicham Senoussaoui	Univ Tamanghasset - DZ	PV Performance
3	15:10–15:30	330	Performance of the Zaouiet Kounta 6MW Grid-Connected PV Plant <i>with Kahoul Nabil; Neçaibia Ammar; Mohammed Younes; Chekalaffari Belhadj</i>	Bouakkaz Houda	Univ Annaba - DZ	PV Performance
4	15:30–15:50	394	Field performance of degraded PV panels under harsh desert climates: A comparative assessment <i>with Belhadj Chekal affari; Nabil Kahoul; Hocine Cheghib</i>	Mohammed Younes	Univ Constantine 1 - DZ	PV Performance
5	15:50–16:10	395	Partial Shading Effects on the I–V and P–V Characteristics of PV Modules and Arrays: Experimental Validation and Simulation under Saharan Climatic Conditions <i>with Ahmed Bouraiou; Messaoud Hamouda; Azzedine Dekhane; Ammar Neciabia</i>	Billel Lamri	Univ Annaba - DZ	PV Performance
6	16:10–16:30	359	Comparative Monitoring Performance of Low- and Medium-Cost Electrical Sensors for Grid-Connected PV System	Bilal TAGHEZOUIT	CDER - DZ	PV Performance

Talks are given in the order shown. Presenters please load slides during the break before the session.

ORAL SESSION 01 · ROOM 02 · TUESDAY 27 OCTOBER 2026

Power Systems, Wind, Storage & Electric Mobility

Session theme: Storage, Hydrogen & Grid Integration

WHEN Tue 27 Oct · 14:30–16:30	WHERE Room 02	TALKS 6 · 20 min each	FORMAT 15 min talk + 5 min discussion	
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SESSION CHAIRS **Dr. M. Abdellaoui (Univ. Adrar) and Prof A. Harrouz (Univ. Adrar)**

1	2	3	4	5	6
14:30	14:50	15:10	15:30	15:50	16:10

#	Time	ID	Title of the paper (with co-authors)	Presenting author	Affiliation	Topic
1	14:30–14:50	209	Mission-Continuity-Oriented H2-SOC Energy Management for PV-Battery-Electrolyzer Systems under Prolonged Cloud Stress <i>with Badreddine BELLALI; Mohammed Amine SOUMEUR; Othmane ABDELKHALEK; Ahmed Allali</i>	BEN ABDELKADER Abdallah	Univ Bechar - DZ	Storage & Hydrogen
2	14:50–15:10	237	Chemical Recycling of Nickel Foam for Sustainable Fabrication of NiCoP/Graphene Electrodes toward Green Hydrogen Production <i>with Madjid Ifires; Amel Elfiad; Meriem Daimalah; sabrina Naama (+1 more)</i>	Benredouane Soumia	CRTSE - DZ	Storage & Hydrogen
3	15:10–15:30	260	Techno-Economic Comparison of a Solar-Powered Hydrogen Refueling Station for a Fuel-Cell Bus Fleet: PEM versus Alkaline Electrolysis	Mahmoud El Amri	Univ Monastir - TN	Storage & Hydrogen
4	15:30–15:50	321	A Robust Three-Layer TID Control and Energy Management Framework for a Standalone PV–VRFB Energy Storage System	Wiame Guenaya	Univ Laghouat - DZ	Storage & Hydrogen
5	15:50–16:10	350	Intelligent Data Acquisition for Lithium-Ion Batteries in Photovoltaic Energy Storage Systems <i>with Adda Adel Belherazem; Houari Aoued</i>	Mohammed amine ZAFRANE	Univ Oran - DZ	Storage & Hydrogen
6	16:10–16:30	274	Experimental Evaluation of Metaheuristic Algorithms for LFP Battery Parameter Estimation in Stand-Alone PV Systems <i>with Aicha Degla; Mouhoub Birane; Samer Boumecheta</i>	Mohammed Racim Moulai	Univ Laghouat - DZ	Storage & Hydrogen

ORAL SESSION 01 · ROOM 03 · TUESDAY 27 OCTOBER 2026

Intelligent Systems, Nuclear Safety, Materials & Environment

Session theme: Intelligent Systems, IoT & Advanced Materials

WHEN Tue 27 Oct · 14:30–16:30	WHERE Room 03	TALKS 6 · 20 min each	FORMAT 15 min talk + 5 min discussion	
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SESSION CHAIRS **Prof. O. Abdelkalek (Univ-Bechar) and Prof.N .Adjarfour (Univ. Adrar)**

1	2	3	4	5	6
14:30	14:50	15:10	15:30	15:50	16:10

#	Time	ID	Title of the paper (with co-authors)	Presenting author	Affiliation	Topic
1	14:30–14:50	187	A Soft Voting Ensemble of Machine Learning Models for IoT-Based Smart Irrigation Scheduling <i>with Wafa Difallah; Belkacem Draoui</i>	Sarra Gourari	Univ Bechar - DZ	AI, IoT & Sensors
2	14:50–15:10	247	Design and Implementation of an Intelligent Urban Bus Management System <i>with Reda Kara; Fatima Zohra Baouche; Ismail Zitouni; Islam Tchikou (+4 more)</i>	Wahiba Menasri	Univ Khemis Miliana - DZ	AI, IoT & Sensors
3	15:10–15:30	258	Multi-Domains Heart Rate Variability Analysis for Congestive Heart Failure Detection <i>with Abdelaoui Mustapha; Ouledali Omar</i>	Karzazi Amina	UMMTO Tizi Ouzou - DZ	AI, IoT & Sensors
4	15:30–15:50	273	Design and Stability Analysis of a Photovoltaic-Powered Twin-Rotor Drone Using Newton–Euler Dynamics and PID Control <i>with Benyahia Miloudi; Bachir Imine; Mokhtar Kerma; Abdellah Mokhtari</i>	Mai Djazia	Univ Oran - DZ	AI, IoT & Sensors
5	15:50–16:10	309	Lightweight Post-Quantum Cryptography for Secure IoT Communications in Smart Grid Environments <i>with Tarek Azizi; Abdellatif Oudrane</i>	Abdenmour SEMMADI	Univ Tamanghasset - DZ	AI, IoT & Sensors
6	16:10–16:30	243	An Alternate Human Energy Recovery Setup	Maamar Taleb	Univ Adrar - DZ	Materials & Devices

Talks are given in the order shown. Presenters please load slides during the break before the session.

ORAL SESSION 02 · ROOM 01 · WEDNESDAY 28 OCTOBER 2026

Solar Energy, PV & Thermal Systems

Session theme: MPPT Control, Solar Resource & Thermal Systems

WHEN Wed 28 Oct · 11:15–13:00	WHERE Room 01	TALKS 6 · 17.5 min each	FORMAT 12.5 min talk + 5 min discussion	TIMEKEEPING Chairs hold the schedule strictly
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SESSION CHAIRS **Prof. A.Aissaoui (Univ-Bechar) and Prof. A. Oudrane (Univ. Adrar)**

1	2	3	4	5	6
11:15	11:33	11:50	12:08	12:25	12:43

#	Time	ID	Title of the paper (with co-authors)	Presenting author	Affiliation	Topic
1	11:15–11:33	154	Development of a MATLAB/GUI Based Photovoltaic Simulator Using a Single Diode Model <i>with Chouaib Rahli; Azzeddine Dekhane; Messaoud Hamouda; Abdeldjalil Dahbi (+3 more)</i>	Ahmed Bouraiou	URERMS - DZ	PV Modelling
2	11:33–11:50	262	Dynamic Optimization of PV Cell/Module Parameters Using the Artificial Bee Colony Algorithm <i>with Bilal Taghezout; Abdelhakim Saim</i>	Sid-ali Blaifi	Univ Khemis Miliana - DZ	PV Modelling
3	11:50–12:08	144	Evaluation of Bio-Inspired Optimization Techniques for Maximum Power Extraction in Standalone PV Systems <i>with Abdelhak Djellad; Sofiane CHIHEB; Hala LALAYMIA</i>	Meriem Farou	ENSTI Annaba - DZ	MPPT Control
4	12:08–12:25	348	Grid Linked PV & Wind system with ANFIS MPPT <i>with RAMDANI Madjeda; Bekakra Youcef; Arif Abdelhalim</i>	Zouak Zahra	Univ Tamanghasset - DZ	MPPT Control
5	12:25–12:43	278	Modal Response of a Double-Axis Tracking System with Different PV Panel Gap Spacings <i>with Lakhdar Saihi; Ammar Neçaibia; Khayra Roummani; Khaled Koussa (+3 more)</i>	Fateh Ferroudji	URERMS - DZ	PV Modelling
6	12:43–13:00	251	Environmental and Thermal Performance of Raw Clay for Energy Savings and Carbon Emission Reduction in Arid Regions: Case of Tamantit-Ksar, Adrar <i>with Djafari Driss; Bakhadda Boumediene; Ben Abdallah Charifa</i>	BAKHADDA Roqiya	Univ Adrar - DZ	Solar Thermal & Buildings

Talks are given in the order shown. Presenters please load slides during the break before the session.

ORAL SESSION 02 · ROOM 02 · WEDNESDAY 28 OCTOBER 2026

Power Systems, Wind, Storage & Electric Mobility

Session theme: Wind Energy, Electric Machines & Grid Control

WHEN Wed 28 Oct · 11:15–13:00	WHERE Room 02	TALKS 6 · 17.5 min each	FORMAT 12.5 min talk + 5 min discussion	TIMEKEEPING Chairs hold the schedule strictly
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SESSION CHAIRS Prof. S. Diaf (CDER) and Prof. M. Bendjebbar (USTOran)

1	2	3	4	5	6
11:15	11:33	11:50	12:08	12:25	12:43

#	Time	ID	Title of the paper (with co-authors)	Presenting author	Affiliation	Topic
1	11:15–11:33	159	A Hybrid Fractional-Order PI-Sliding Mode Controller for DFIG Wind Turbines with Enhanced Chattering Suppression <i>with Fateh FERROUDJI; Khayra ROUMMANI; Abdelmalek BEN MOULAY OMAR; Khaled KOUSSA</i>	Lakhdar SAIHI	URERMS - DZ	Wind Energy
2	11:33–11:50	393	A Hybrid Fuzzy Sliding Mode Control Strategy for DFIG Wind Turbines <i>with Omar Ouledali; Youcef Djeriri</i>	Abdelkader Achar	Univ Sidi Bel Abbès - DZ	Wind Energy
3	11:50–12:08	405	Enhanced Control of Doubly Fed Induction Generator based Robust Fuzzy Backstepping Control <i>with Youcef BEKAKRA; Fatma Zahra ZOUAK</i>	Abdelhalim Arif	Univ El Oued - DZ	Wind Energy
4	12:08–12:25	414	Assessment of Seasonal Performances of a Real Wind System installed in Adrar	Abdeldjalil Dahbi	URERMS - DZ	Wind Energy
5	12:25–12:43	181	Power Quality Enhancement in Grid connected Fuel-cells system using P-Q Theory. <i>with Berbaoui Brahim; Glaoui Hachemi</i>	Dehini Rachid	Univ Bechar - DZ	Power Grids & Quality
6	12:43–13:00	294	Analysis of a Surge Arrester for Protecting Transmission Lines Against Overvoltages	Aissa Souli	CRNB - DZ	Power Grids & Quality

ORAL SESSION 02 · ROOM 03 · WEDNESDAY 28 OCTOBER 2026

Intelligent Systems, Nuclear Safety, Materials & Environment

Session theme: Nuclear Safety, Environment & Bioenergy

WHEN Wed 28 Oct · 11:15–13:00	WHERE Room 03	TALKS 6 · 17.5 min each	FORMAT 12.5 min talk + 5 min discussion	TIMEKEEPING Chairs hold the schedule strictly
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SESSION CHAIRS Prof. R. Dehini (U. Bechar) and Dr R. Masmoudi (Univ. Adrar)

1	2	3	4	5	6
11:15	11:33	11:50	12:08	12:25	12:43

#	Time	ID	Title of the paper (with co-authors)	Presenting author	Affiliation	Topic
1	11:15–11:33	162	Saharan Dust Transport to Europe: A Lagrangian Case Study of the March 2022 Event and Implications for Nuclear Safety <i>with Brahim Mohammedi; Salah Medguedem</i>	Menaouer Mehdi	CRNB - DZ	Nuclear Safety
2	11:33–11:50	271	CSP– vSMR Hybridization with Thermal Storage for Stable Electricity Supply: Design and simulation <i>with Lylia Hamidatou; Mourad Dougdag</i>	Aissa Bourenane	CRNB - DZ	Nuclear Safety
3	11:50–12:08	299	Thermohydraulic Modeling and Safety Analysis of The Nuclear Research Reactor Cooling System After the Shutdown <i>with Amel DADDA; Lamir BOUAM</i>	Abdallah BOUAM	CRNB - DZ	Nuclear Safety
4	12:08–12:25	306	Effect of Cooling Rate on Hydrogen Uptake and Hydride Morphology in Zircaloy-4	Nadjet Bouhelal	CDTA - DZ	Nuclear Safety
5	12:25–12:43	406	Contribution to the Study of Local Bentonite Clay from the Adrar Desert as a Shielding Material Against Gamma Radiation <i>with Lagouch Akila</i>	Sara Abbane	Univ Adrar - DZ	Nuclear Safety
6	12:43–13:00	334	Influence of Elastic Foundation Parameters on the Bending Response of Carbon Nanotube-Reinforced Composite Plates <i>with Mohamed Bachir Bouiadjra; Roqiya Bakhadda</i>	Boumediene BAKHADDA	Univ Adrar - DZ	Materials & Devices

Talks are given in the order shown. Presenters please load slides during the break before the session.

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