













<u>Sunday</u> 11/12/2022						
14:00 - 20:00	Con	Conference Registration in Louss Hotel				
	<u>First Day- Monday:</u> 12/12/2022					
07 :30 - 08 :30	Conference Registration in Lecture Hall – Pr.A.SADALLAH					
08 :30 - 09 :30	Ι	Opening Ceremony Lecture Hall – Pr.A.SADALLAH	I			
09 :30 - 10 :00	Plenary Session 1 Chairs: Pr. Soria Zeroual	Prof. Wissem Chikhrouhou Director of LT2S Laboratory, CRNS Sfax - Tunisia	Nanoparticules magnétiques pour le traitement des tumeurs par hyperthermie magnétique			
10 :00 - 10 :30	Plenary Session 2 Chairs: Pr. Houchati Mohammed Ikbal	Prof. Mohammed Traiche General Director of CDTA Center, Algeria	Technologies des Lasers.			
10 :30– 11 :00	Plenary Session 3 Chairs:Prof. Nabil MahamdiouaPr. Khelfaoui FethiDirector of NDT Laboratory, Jijel University		Lanthanum Perovskite- Based Manganites for Spintronic Applications: Structure, Electrical and Magnetotransport properties			
11 :00 - 11 :30	Posters Session (1) Chairs: <u>Dr. Azzeddine Begas</u> <u>Mr. Ghani Rihia</u>	The presence of Correspond Obliga				
11:30 - 12:00		Coffee Break				
		Materials	Room 1			
		Chairs: Pr. Baaziz Hakim	Lecture Hall – Pr. A. SADALLAH			
12 00 14 00		Renewable Energy Chairs:	Room 2			
12 :00 - 14 :00	Oral Workshop (1)	Pr. Youcef Bekakra	1 st Floor - Central Library			
		Optoelectronics Chairs:	Room 3			
		Dr. Omar Bentouila	2 nd Floor - Central Library			
14 :00 - 15 :30		Lunch				
15 :30	Tourist Outing & Traditional Dinner.					







<u>Second Day – Tuesday:</u> 13/12/2022 MediaTek Hall (Front to Technology Faculty)

08:00 - 08:30	Last Conference registration in MediaTek Hall (Front to Technology Faculty)				
08 :30 - 09 :00	Plenary Session 4 Chairs:Prof. Ferhat Rehou Director of LEVR Lab, University ElOued		EVRES sity of		glases for integrated optics
09 :00 - 09 :30	Plenary Session 5 Chairs:Prof. Mosbah ZidaPr. Wissem ChikhrouhouBatna2 Universit Algeria		versity,		The scientific and technological terest of characterizing materials using the EBSD technique.
09 :30 - 10 :00	Plenary Session 6 Chairs:Prof. Radhouane Chto General Director of Cl Center, Tunisia		tor of CRTI		Le stockage de l'énergie et l'hydrogène vert.
10 :00 - 10 :30	Coffee Break, &Posters Session (2) Chairs:Dr. Azzeddine Begas Mr. Ghani Rihia			- 0	
		Materia	als		Room 1
10 :30 - 12 :30		Chairs: Pr. Lazhar Bechki		1 st Floor - Central Library	
10 :50 - 12 :50	Oral Workshops (2)				
		Renewable Energy Chairs: Pr. Djamila Rekioua		Room 4	
					MediaTek Hall (Front to Technology Faculty)
12 :30 - 13 :00	Closing Ceremony MediaTek Hall (Front to Technology Faculty)				
13:00	Lunch				

	Oral Session 1 - Room 1 : Lecture Hall – Pr. A. SADALLAH					
	Materials					
			<u>Monday, 12/12/2022</u> 12 :00 - 14 :00			
	Topic	Full name	Paper title			
01	Materials	Kaouthar AHMOUDA	Study of physicochemical properties of greenly synthesized iron oxide nanoparticles			
02	Materials	MAGHCHICHE Abdelhak	Green Synthesis of Nanoparticles from Medicinal Plants			
03	Materials	O. BEN MYA	Influence of precursors on ZnO films structural, microstructural, optical properties and copper ions removal			
04	Materials	REZIG Walid	Preparation, Characterization of Diatomite Coated Fe(OH)2 Nanoparticles and application in Photocatalytic Degradation of Organic pollutants			
05	Materials	Samia AGGOUNE	Analysis Of Melt Pool Instabilities During Stainless Steel Selective Melting Process			

			Oral Session 1 - Room 2 : 1 st Floor - Central Library			
	Renewable Energy					
			<u>Monday, 12/12/2022</u> 12 :00 - 14 :00			
	Topic	Full name	Paper title			
01	Renewable Energy	Azzedine BOUTELHIG	Strengthening the irrigation need through the reuse of treated wastewater in agriculture. Perspectives in erecting solar still system in M'Zab valley			
02	Renewable Energy	CHAIB Ibtissam	A Model Predictive Current Controller For Quasi Z- source Inverter			
03	Renewable Energy	GRAIRIA Mohamed islam	An Improved Drooping Control for Distributed Generation Inverters in an Islanded AC Microgrid			
04	Renewable Energy	Bennadji Hocine	Backstepping and Modified Backstepping Control for Doubly Fed Induction Motor			
05	Renewable Energy	SAYEH Karim Fathi	Direct Active and Reactive Power Control of Wind Energy Conversion System based DFIG passing through different operation modes			
06	Renewable Energy	Abdelhak KEDDOUDA	Solar photovoltaic power prediction using artificial neural networks			

	Oral Session - Room 3 : 2 nd Floor - Central Library Optoelectronics Monday, 12/12/2022 12 :00 - 14 :00				
	Topic	Full name	Paper title		
01	Optoelectronics	BOUAOUINA Mohamed Salah	Investigation of a fast optical half-adder combining nonlinear 2D-PC ring resonator and interference beams		
02	Optoelectronics	MEGUELLATI Sami	Modeling of a distributed fiber optic sensor based on Phase-OTDR for dynamic monitoring applications		
03	Optoelectronics	KHERIF Madjeda	Diffraction of vector vortex beams by a circular aperture		
04	Optoelectronics	AHMID Djelloul	Comparative study of violet and green InGaN-based SQW LEDs using Silvaco TCAD tool		
05	Optoelectronics	YOUSFI A	Angular acceleration of twisted beams		

	Poster Session 1					
	Materials, Optoelectronics & Renewable Energy					
			Monday, 12/12/2022 11 :00 - 11 :30			
	Topic	Full name	Paper title			
01	Materials	BRIKI Lyamine	Use of calcination residue from Chicken Egg Shells as a substitute for cement			
02	Materials	Rebai BILLEL	Advanced composite materials Study of sandwich Plate structures made of (Metal: Ti–6A1–4V/ Ceramic: ZrO2) exposed at linear and nonlinear external thermal charge.			
03	Materials	Amel GHARBI	Elaboration, Characterization and Corrosion Behavior of Al-10%Mo Alloy			
04	Materials	LAMECHE Siham	Elaboration and Electrochemical properties of Sn/SnO2 modified electrode for environmental application			
05	Materials	DJEGHADER Djamel	Water absorption and impact toughness of glass-reinforced composite materials			
06	Materials	Oualid GHELLOUDJ	Effect of Temperature on the Electrochemical Behaviour of API 5L X52 Pipeline Steel in Different Soils			
07	Materials	ROUIHA Zohra	Green Synthesis And Characterization Of Nanoparticle			
08	Materials	ZELMATI Djamel	Probabilistic notched failure assessment diagram for reliability estimation			

09	Materials	BOUREBBOU Amor	Investigation of the wear of tungsten carbide inserts during cutting in turning
10	Materials	LANEZ Imane	Study of structural, optical, and spectroscopic properties of Eu3+ doped (Gd2O3/Lu2O3)- Al2O3 systems, synthesized by solid state reaction
11	Optoelectronics	ASKRI Souhaila	Determining the Density and Temperature of a Gas Mapping Profile Using Measurement Optical Interferometry. Application He-Ne Laser
12	Optoelectronics	OUDENANI Ahmed	Modeling Study of Different Photonic Crystal Fiber for Sensors
13	Optoelectronics	KOUICEM Imene	Comparative study of solar lasers performance with Nd:YAG and Nd:Glasses active mediums
14	Optoelectronics	REGUIG Maroua	Comparative study of Nd: YAG solar laser performance in end-pumping, side-pumping and end-side-end- pumping configurations
15	Renewable Energy	TIZZAOUI Mouloud	Thermal Loads Evaluation of Cold Storage Container for Vegetables in Rural Saharan Environment
16	Renewable Energy	REHOUMA Youssef	Effet inclinition for PV System and data acquisition used CPU in experimental validation
17	Renewable Energy	Hamza ADAIKA	Bearing Fault Diagnosis by Using Convolutional Neural Network and Information Fusion on Induction Motor
18	Renewable Energy	Bouderres Nacer	Comparative Analysis and Optimization of MPPT Algorithms using Classical and Machine Learning Methods Applied to a Standalone Photovoltaic Plant
19	Renewable Energy	ZELLOUMA Dalal	Eliminate of Torque Ripple using Fuzzy Logic Backstepping Control of an Induction Motor
20	Renewable Energy	Abdallah DOGGA	"Experimental study of Biodiesel extraction from the Algerian desert plants: A Case of Castor Bean
21	Renewable Energy	Badreddine GUEMMOU	Optimal Placement of PMUs for Power System Using Gazelle Optimizer Algorithm

	Oral Session 2 - Room 2 : 1 st Floor - Central Library					
	Materials					
			<u>Tuesday, 13/12/2022</u> 10 :30 - 12 :30			
	Topic	Full name	Paper title			
01	Materials	FACI Youcef	An experimental analysis of open-hole composite damage by Digital image correlation.			
02	Materials	Kaouthar AHMOUDA	Study of physicochemical properties of greenly synthesized iron oxide nanoparticles			
03	Materials	RADJEHI Lamia	Ag2O/TiO2 nanocomposites for improved photocatalytic and antibacterial performance			
04	Materials	BELBEL Abdeljabbar	 Adsorption and Photophysical Properties of Fuorescein Dye over Zr-Pillared Montmorillonite Removal of Imidazolium Ionic Liquids from Aqueous Solutions Using Pillared Clay 			

	Oral Session 2 – Room 4 : MediaTek Hall -(Front to Technology Faculty)					
	Renewable Energy					
			<u>Tuesday 13/12/2022</u> 10 :30 - 12 :30			
	Topic	Full name	Paper title			
01	Renewable Energy	Nacer LEBBIHIAT	Thermal performance evaluation of spiral earth-air heat exchanger for summer cooling			
02	Renewable Energy	Hazem BAKINI	Performance Evaluation of Modulated Model Predictive Control for a Three-Phase two level Inverter			
03	Renewable Energy	Fares BETTAHAR	MPPT Design Using Cuckoo Search Algorithm Technique for Photovoltaic System under Partial Shading Conditions			
04	Renewable Energy	BAKINI Hazem	An Improved Adaptive Deadbeat Control Using Online Model Parameter Identification for Grid- Connected Two-Level Inverter			
05	Renewable Energy	Deboub RAOUF	A Robust Droop Control Technique for Parallel Inverters in Micro Grid Applications			

	Poster Session 2 - MediaTek Hall -(Front to Technology Faculty)						
	Materials & Renewable Energy						
	<u>Tuesday, 13/12/2022</u> 10 :00 - 10 :30						
	Topic	Full name	Paper title				
01	Materials	BAIRA FAYCAL	STUDY OF THE PROPERTIES OF INDUSTRIALLY DEFORMED AND ANNEALED COPPER WIRE				
02	Materials	NAIMI Nesrine	Structural and Optical properties of LiGd1-xLux(WO4)2 co-doped Yb3+/Er3+				
03	Materials	Sara FARES	Influence of Zr content on the morphology and mechanical properties of chromium nitrides coatings				
04	Materials	SALHI FAIZA	X-ray characterization of Cr-N hard coating				
05	Materials	HADDAD Noureddine	Degradation of the mechanical behavior of polyethylene PEDH80 by artificial aging under the effects of ultraviolet radiation and tensile testing.				
06	Materials	RABHI Chaima	Primary Reagent Nature Effect on Bi-2212 Superconducting Phase Precursor Formation Using Photo- polymerization Based Method				
07	Materials	NAIMI NESRINE	Structural and Optical properties of LiGd1-xLux(WO4)2 co-doped Yb3+/Er3+				
08	Materials	ALLAG Nassiba	Influence of precursors on ZnO films structural, microstructural, optical properties and copper ions removal				
09	Materials	REKIK Brahim	Study of structural, optical, and spectroscopic properties of Eu3+ doped (Gd2O3/Lu2O3)- Al2O3 systems, synthesized by solid state reaction				
10	Materials	Ayachi Mohammed Lakhdar	Nonlinear optical properties of pure tin oxide				
11	Renewable Energy	Rekioua Djamila	Design and feasibility of a photovoltaic/wind turbine/battery system in Béjaïa area				
12	Renewable Energy	Djaafar TOUMI	A Comparative Study Between three Different MPPT Algorithms for Photovoltaic System				
13	Renewable Energy	ALIA Imane	Circulating Current Elimination for Double-stage Grid-Connected Modular Multilevel Converter in PV Applications				
14	Renewable Energy	Fettah KHALED	A Review of Solar Photovoltaïque Potential in Algeria				
15	Renewable Energy	BEN ALI Hammoudi	Direct Torque Control of Doubly-Fed Induction Generator for Wind turbine generation				
16	Renewable Energy	Mounira Chelgham	Degradation of the mechanical behavior of polyethylene PEDH80 by artificial aging under the effects of ultraviolet radiation and tensile testing.				

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