Archeditech
Arab Electronic Technology Symposium.
25-26 December 2022 Tipasa, Algeria

AETS'22
Tipasa, Algeria
25, 26 December 2022
Arab Electronic Technology Symposium

The AETS'22 technical program

Sunday 25th, December 2022

ID	Name	Title & *Co-Authors*	Time
	Prof. Abdul Ghani Olabi **Presentation Title:** **Green Hydrogen Production, Storage, and Applications**		**09:00**
26	Omar Maarouf	**DC bus regulation of a shunt active power filter by PID using multilevel inverters with NPC structure.** *Rachid TALEB, Ahmed Wahid BELARBI, Fayçal CHABNI, Mohamed ALI MOUSSA*	09:30
38	Salah Anis Krim	Improved Z-Source inverter controller for PV applications. *Hamza Afghoul, Fateh Krim*	09:45
39	Sofiane Mekkakia-Maaza	Implementation of cybersecurity within connected vehicles: an IoT example. *Mohamed Ouslim, Abdelhak ZAOUI, Hesham Ali Ali ALRAWDHI*	10:00
14	Mohammed El Mostapha Chabane	Codesign of an Automatic Road Extraction Embedded System for Autonomous Vehicles. *Mohamed Ouslim, Mohamed Bellebna*	10:15
30	Selma Zenati	Study of production of H2O2 with electric discharges. *Hocine Moulai, Abderrahmane Ziani*	10:30
44	Asma Benhemine	Comparative study of direct and indirect matrix converter. *Hamza TEDJINI, Cherif BENOUDJAFER*	10:45
15	Abderrahmene Yacine Abi-Ayad	Design and Development of a Non-Invasive Glucometer Based on Near Infrared Spectroscopy and Raspberry Pi. *Mekkakia-Maaza Nasreddine, Mustafa Ayesh Aldhaheri, Walid Taleb*	11:00
19	Hellal Leila	Patients Management Smartphone Application. *Hellal Leila, Oulmi Noura, Boukezzoula Naceur-Eddine, Khitas Moncef, Cheniti Mohamed*	11:15
18	Mohammed Baba	Optimal PID controller of Quadcopter in 2D using PSO Algorithm *Fateh Bounaama, Said Bennaceur, Khelifa Lammari, B. Ouradj*	11:30
41	Mohamed Amrani	Online Trained Neural Network to Monitor and Detect a Default of a Purified Water Station Used in Pharmaceutical Industry. *Djamel BENAZZOUZ*	11:45
28	Kamal Sehairi	CPU-FPGA Co-Design of a Convolutional Neural Network Face Identification System. *Ali Korichi*	12:00
20	Ferial El Robrini	Utility photovoltaic power plant's modelling using Artificial Neural Network for smart integration to the electrical grid. *Badia Amrouche*	12:15
37	Chaimaa Sabri	Control Smart Irrigation System in Greenhouse Using Internet of Thing. *Bourouis Amina, Benahmed Tariq, Aslaoui Abdelilah, Benahmed Khelifa.*	12:30
32	Cheima Ferdjallah	Binco	12:45
43	Mariem Belkedari	Modeling and position control of a 3-DOF serial manipulator: rigid and elastic joint. *EL Mostafa LITIM, Abdelkader BELAIDI*	13:00
13	Fayssal Bendaoud	A modified k-means algorithm for network selection in heterogeneous wireless environment *Nadir Mahammed, Hamdane Bensenane, Imene Saidi*	13:15
12	Abdelrahman Ali	A review: Properties and Applications of Carbon Nanotubes	13:30

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3	Dalila Hadjem	Simulation and optimization of a GaN-based Current Aperture Vertical Electron Transistor (CAVET).	13:45
4	Taieb Bessaad	fuzzy adaptive control of ainduction double star asynchronous machine	14:00
6	Amina Yahia	Development of Automation in Agricultural Domain	14:15
7	Abderrahmen Benbouali	Raspberry Pi-based voice control of home automation	14:30
8	Sofiane Blilita	Study of electronic properties of graphene using ab-initio calculation (code VASP)	14:45
9	Rihab Hamdi	PWM-based fixed frequency reduced-state SM controller for paralleled multicellular converter in equilibrium point operation	15:00

Monday 26th, December 2022

ID	Name	Title & *Co-Authors*	Time
10	Abdelhak Merabti	Nanotechnology in the Development of Solar PV Cell	09:00
16	Abdelkader Serhane	Proposing a new Design of microwave band-stop filter use of complementary split ring resonator CSRRs.	09:15
17	Hachemi Bouridah	Correlation method between dark conductivity and refractive index of doped silicon nanocrystals	09:30
21	Boukenadil Bahidja	A Comparative Study of Wireless Sensor Networks: WSN and VSN	09:45
22	Salah Eddine Boumerdas	Solving the inverse kinematic model of a redundant mobile manipulator using particle swarm optimization algorithm	10:00
23	Mariem Belkedari	Modeling and control of a 3-DOF elastic joint robot	10:15
24	Rachid Taleb	Analyse et simulation d'une cascade GPV-Onduleur NPC à trois niveaux en mode défaut-MSAP	10:30
25	Rachid Taleb	Réalisation d'un suiveur photovoltaïque à deux axes	10:45
27	Wahiba Menasri	Hardware and Software Implementation of Bypass Binary Arithmetic Decoder in the Latist Video Codec	11:00
29	Dalila Benabdelaziz		11:15
31	Mohammed Elamine Kobbi	Dual PV source based dual boos converter fed open end winding induction motor for pumping application	11:30
33	Abdelgoui Feyrouz	Seven-level hybrid inverter with PSO optimization: Comparative study	11:45
34	Ameur Djili	INVESTIGATION OF THE STRUCTURAL AND ELECTRONIC PROPERTIES OF InAs1-xSbx ALLOY FOR MID-INFRARED OPTOELECTRONIC APPLICATIONS: A TB-MBJ DFT STUDY	12:00
35	Ahmed Benslimane	Energetic band structure and optical properties of AgSbS2 and Ag3SbS3 compounds	12:15
36	Sofiane Blilita	Study of electronic properties of graphene using ab-initio calculation (code VASP)	12:30
40	Meradi Samir	Learning sliding mode control of Modular dc dc chopper based on ZTn observer	12:45
42	Bochra Saria	The influence of Molar Fraction of the InGaAsSb alloy grown on GaAs substrate for Solar Cell Using ATLAS TCAD	13:00
43	Mariem Belkedari	Trajectory Tracking of 3-DOF serial Manipulator with elastic joints using classical controllers	13:15
45	Rabhi Selma	Thickness Effect on the Solid-State Reaction of a Ni/GaAs System.	13:30