

	10:20 - 12:00
MoA1	Robotics and Applications
	Auditorium
	<i>Session Chair(s): Mohamed Bouri (EPFL) , Amal Choukchou-Braham (University of Tlemcen Algeria)</i>
2601	Trajectory generation for a fixed-wing UAV by the potential field method Authors: Amar BENGHEZAL (EMP) , Rabah LOUALI, abdelouahab bazoula, Taha CHETTIBI,
2626	Image-based path following for nonholonomic mobile robot Authors: Abdellah Khelloufi (CDTA) , noureddine ouadah (CDTA) , ouslid Djekoune (CDTA) , Noura Achour (USTHB)
2799	Predator-Prey Coevolution in a Physically Simulated Environment Authors: Nesrine Ouannes (Biskra University) , noureddine Djedi (Biskra University) , yves Duthen (Toulouse University) , Hervé Luga (Toulouse University)
2831	A Rule-Based Harmony Search Simulation-Optimization Approach for Intelligent Control of a Robotic Assembly cell Authors: Mihoubi bachir (CDTA) , Gaham Mehdi (CDTA) , Brahim Bouzouia (CDTA, Algeria) , Abdelghani BEKRAR (University of Valenciennes, France)
2835	Bottomhole pressure stabilizing observer-based controller in tunnel drilling system Authors: Naim Zoghlami (IBISC) , Khouloud Latrach (IBISC) , lotfi beji (IBISC)

10:20 - 12:00

MoA2

Manufacturing and Supply Chain Automation: Situation and Frontiers (SS), Special Session

Amphi 1

Session Chair(s): Abdelghani BEKRAR (University of Valenciennes, France), Brahim Bouzouia (CDTA, Algeria) & Fayssal Arichi (University of Tlemcen)

2750

Multiple Priority Dispatching Rules for the Job Shop Scheduling Problem

Authors: Mohamed HABIB ZAHMANI (University of Mostaganem) , Baghdad Atmani (LIO) , Abdelghani BEKRAR (University of Valenciennes, France) , Nassima AISSANI (University of Oran 1)

43

Monitoring System for Manufacturing Process Application to a Cardboard Factory

Authors: Sekhri Larbi (University of Oran) , Tari Noria (University of Oran) , haffaf Hafid (University of Oran) , Ould Bouamama Belkacem (University of Lille 1)

2570

A Novel Robust Automatic Generation Control in Interconnected Multi-Area Power System Based on Bat Inspired Algorithm

Authors: Nour EL Yakine Kouba (Laboratory of Electrical and Industrial Systems (LSEI), USTHB, Algiers, Algeria) , Mohamed Menaa (USTHB) , Mourad Hasni (USTHB) , Mohamed BOUDOUR (USTHB)

2790

An evolutionary Cellular Automaton for Minimizing Energy Consumption in NoC-based Soft real-time embedded systems

Authors: Djalila Djalila (Om el bouaghi) , Fateh boutekkouk ()

2269

Decoupled Sliding Mode with Type 2 Fuzzy-Neural Network Controller for Multi-machine Power Systems

Authors: Amel Abbadi (Univ medea)

10:20 - 12:00

MoA3

Renewable Energy 1

Amphi 2

Session Chair(s): Abdellah KOUZOU (University of Djelfa, Algeria), Boumediène BENYAHIA (UABB-Tlemcen)

1156

Sliding Mode Control Of A Multi Source Renewable Power System

Authors: Tareq ALNEJAILI (Unviersity of batna) , Said DRID (university of batna) , Driss Mehdi (University of Poitier) , Larbi CHRIFI-ALAoui (University of Picardie Jules Verne) , Hamza Sahraoui (Batna university)

2417

Direct Powers Control of DFIG Through Direct Converter and Sliding Mode Control For WECS

Authors: Abderraouf BOUMASSATA (Constantine1 University) , Djallel Kerdoun (Constantine 1 University)

2463

Fuzzy approximation-based Adaptive Sliding-Mode Control scheme for Underactuated Systems

Authors: Soumia Moussaoui (LAJ) , Abdesselem Boulkroune (Jijel University)

2482

Flatness and sliding mode based controller of Fuel Cell and Supercapacitors Hybrid Source

Authors: Okba KRAA (LMSE) , Abdennacer Aboubou (Laboratory of Energy Systems Modelling) , Ramzi SAADI (Laboratory of Energy Systems Modelling) , Mbarek Bahri (Laboratory of Energy Systems Modelling) , Mohamed Becherif (UTBM france) , Yacine Mohamed Ayad (Industrial Hybrid Vehicle Applications France.)

2696

A Doubly Fed Induction Generator Wind Turbine and Fuel Cell Hybrid Power Sources System for Micro-grid Applications

Authors: Salah Tamalouzt (Abderahman Mira university of Bejaia) , Nabil Benyahia (University of Tizi-Ouzou) , Toufik Rekioua (Abderahman Mira university of Bejaia) , Rachid ABDESSEMED (Batna university)

	10:20 - 12:00
MoA4	Information Technology 1
	Room 1 <i>Session Chair(s): Nidhal Bouaynaya (Rowan University) & Dr. Bdelmadjid Meghebar (Tlemcen University) & Fayssal Arichi (UABB-Tlemcen)</i>
2185	Information Retrieval: A New Multilingual Stemmer Based on a Statistical Approach Authors: Said Gadri (University of Msila) , Abdelouahab Moussaoui (University Farhat Abbes of setif)
2444	Comparative Survey of Association Rule Mining Algorithms based on Multiple-criteria Decision Analysis approach Authors: Ait-Mlouk Addi (Cadi Ayyad University, Marrake) , Gharnati Fatima (Cadi Ayyad University, Marrakech) , Agouti Tarik (Cadi Ayyad University, Marrakech)
2539	Measuring inconsistencies on ontology change estimate based on cooperative game and Shannon entropy Authors: Mamadou Bousso (Université de Thies) , Mouhamadou Gaye (Saint-Louis University) , Ousmane Sall (Thies University) , Mouhamadou Thiam (Thies University) , Moussa Lo (Saint-Louis University)
2645	Recommender System For Sports Articles Based On Arabic Opinions Polarity Detection With A Hybrid Approach RSS-SVM Authors: Amel Ziani (University of Annaba, algeira) , Yamina Tlili Guiyassa (University of Annaba, Algeria) , Nabiha Azizi (University of annaba)
2757	Development of Road Traffic Flow Model for Nighttime Conditions Authors: Asmaa Ouessai (USTO) , Mokhtar Keche ()
2784	Content-Based Image Retrieval in the Topic Space using SOM and LDA Authors: Marouane Ben Haj Ayech (ENIT) , Hamid AMIRI ()

	10:20 - 12:00
MoA5	Signal Processing 1
	Room 2
	<i>Session Chair(s): Fethi Berekci (Tlemcen university) , Abdelmadjid Boumediene (Tlemcen university)</i>
1157	Intrusion Detection and Classification Using Optical Fiber Vibration Sensor Authors: TARIK HADJ ALI (ECOLE MILITAIRE POLYTECHNIQUE) , RIAD CHEMALI (Polytechnic military school) , hocine Medjadba (Ecole militaire polytechnique)
2213	Ultrasonic non-destructive characterization of trabecular bone: Experimental and theoretical prediction of the ultrasonic attenuation Authors: BENNAMANE Abderrazek (USTHB, Faculté de Physique) , BOUTKEDJIRT Tarek (University)
2281	2D-FDTD- UPML Simulation of Wave Propagation on Dispersive Media Authors: Mehennoui Nazaïha (Univ setif)
2646	Speech enhancement using backward adaptive filtering algorithm : Variable step-sizes approaches Authors: Redha BENDOUMIA (University of Blida 1) , Mohamed DJENDI ()
2715	Sign Language Recognition using PCA, Wavelet and Neural Network Authors: Khadidja SADEDDINE (USTHB) , Chelali Fatma zohra (University of Science and Technology Houari Boumedienne (USTHB)) , Rachida Djeradi (USTHB)

	14:50 - 16:30
MoB1	Algorithms and Stability
	Auditorium
	<i>Session Chair(s): Krishna Busawon (Northumbria University), Amal Choukchou-Braham (University of Tlemcen Algeria)</i>
2370	Impulsive differential inclusions on unbounded domain Authors: Abdelghani OUAHAB (Université Djillali Liabes de Sidi Bel Abbès) , YOUSSEFI Samia (Université Djillali Liabès)
2449	Asymptotic relationship between trajectories of nominal and uncertain nonlinear systems on time scales Authors: fatima Taousser (University of Sidi Bel Abbes) , Michael Defoort (UVHC) , Boudekhil Chafi (University of Sidi Bel Abbes) , Mohamed DJEMAI (UVHC)
2763	Simple control scheme for a class of underactuated mechanical system with tree structure Authors: Amal Choukchou-Braham (University of Tlemcen Algeria) , Brahim Cherki (University of Abou Bekr Belkaid, Tlemcen)
2816	Communication Satellite Link Budget Optimization Using Gravitational Search Algorithm Authors: Salima Berrezzoug (Telecommunication Laboratory)
2826	Robust Stability Analysis and Topological Dynamics of a Nonminimum Phase Supersonic Tactical Missile Authors: Belkacem Kada (KAU University)
2837	New approach of stability switched nonlinear system Authors: Fayçal Hamidi (ENI Gabès) , Aggoune Woihida (ENSEA) , Mohamed Naceur ABDELKRIM (ENI Gabès)

	14:50 - 16:30
MoB2	Power Converters
	Amphi 1
	<i>Session Chair(s): Abdellah KOUZOU (University of Djelfa, Algeria) & Dr. Arichi Fayssal (University of Tlmeцен)</i>
5	PI and Sliding Mode Controllers In Fault Tolerant PMSM Drive Authors: Bendjedia Bachir (UAT Laghouat Algeria) , Kamel ALIOUANE (EMP) , Farid Bouchafaa (LINS, USTHB)
2422	Matrix converter prototype for motor drive Authors: Brahim METIDJI (Institute of Electrical & Electronics Engineering) , Lotfi BAGHLI (Université de Tlemcen)
2495	FPGA based Control of a PWM Inverter by the Third Harmonic Injection Technique for Maximizing DC Bus Utilization Authors: Ahmed BELKHEIRI (Université Hadj Lakhdar Batna) , Said Aoughellanet (Université Hadj Lakhdar de Batna) , Mohammed BELKHEIRI (Université Amar Telidji de Laghouat) , Abdelhamid Rabhi (, Université de Picardie Jules Verne)
2569	Observer-Based Practical Control Technique for Multicell Converters Authors: Kamri Djekidel (University of Laghouat)
2770	Series Resonant Inverter Power Prediction and Coil Design for Metal Surface Hardening Authors: Abdelkader ATTAB (Université des Sciences et de) , Houcine ZEROUG (Université des Sciences et de la Technologie Houari Boumediene) , bilel MEZIANE (Université des Sciences et de la Technologie Houari Boumediene)

	14:50 - 16:30
MoB3	Renewable Energy 2
	Amphi 2
	<i>Session Chair(s): BENTOUBA SAID (LABORATORY LDDI) &, Boumediène BENYAHIA (UABB-Tlemcen)</i>
2262	Experimental and theoretical study of a new synthesized Quinoline derivative as Greene inhibitor of corrosion for the cooling circuits in desalinated water Authors: Djamel Daoud (Unité de Recherche Appliquée en Energies Renouvelables, URAER) , TAhar douadi (Laboratoire d'électrochimie des matériaux moléculaires et complexes, Département) , hanane Hamani (Laboratoire d'électrochimie des matériaux moléculaires et complexes, Département) , Djillali Ghobrini URAER) , Kamal Aiboud (URAER,)
2428	Modeling and Experimentation of a 12kW Direct Driven PM Synchronous Generator of Wind Power Authors: SENTHILKUMAR AJITHAN (VSB – Technical University of)
2452	Control of three-level NPC inverter based grid connected PV system Authors: Abdelmalik Zorig (University of Laghouat) , Mohammed BELKHEIRI (Université Amar Telidji de Laghouat) , Said Barkat (Universti of Mohamed Boudiaf - M'sila) , Abdelhamid Rabhi (, Université de Picardie Jules Verne)
2549	Numerical Study of Microdrops sorting by Microfluidic Device Authors: Tawfiq Chekifi (University Tahri Mohammed Bech) , Brahim Dennai () , Rachid Khelfaoui (University Tahri Mohammed Bechar)
2721	Modeling and control of a five level inverter used with renewable enery sources Authors: BENTOUBA SAID (LABORATORY LDDI) , OUED ALI OMAR (UNIVESRITY AHMED DRAIA ADRAR) , i Cabarrocas PERE ROCA (ECOLE POLYTECHNIQUE FRANCE) , bOUROUIS MAHMOUD (UNIVERSITY ROVIRA I VIRGILLI)
2793	Adaptive Control for the Methane Flow Rate in Biogas Plants Authors: Khadidja Chaib Draa (University of Luxembourg) , holger Voos (University of Luxembourg) , Marouane Alma (Université de Lorraine) , Mohamed Darouach (Université de Lorraine)

	14:50 - 16:30
MoB4	Estimation and Detection
	Room 1
	<i>Session Chair(s): Fethi Berekci (University of Tlemcen) & Abdelmadjid Meghebar (University of Tlemcen) & Fayssal Arichi (UABB-Tlemcen)</i>
2221	An Autonomous Hybrid Navigation Filter Using Earth Magnetic Field Measurements for Low Earth Orbit Satellite Authors: Abdellatif BELLAR (CDS oran) , mohammed arezki Si mohammed (Centre de Développement des Satellites (CDS))
2302	Perceptual blur detection and assessment in the DCT domain Authors: Fatma Kerouh (INELEC,USTHB) , Amina Serir (USTHB)
2525	Gaussian Mixture Modeling for Indoor Positioning WIFI Systems Authors: Marwan Alfakih (USTO) , Mokhtar Keche () , Hadjira Benoudnine ()
2536	Ultrasonic Signals Parameters Estimation Based on Differential Evolution Authors: Yacef Nabil (Jijel University) , Toufik Bouden () , Grimes Morad ()
2687	Multi Phases Stator Short-Circuits Faults Diagnosis & Classification In DFIG Using Wavelet & Fuzzy Based Technique Authors: SAMIA BOURDIM (BATNA UNIV) , Kamel-Eddine HEMSAS (Sétif-1 university) , Youcef HARBOUCHE (Batna university) , Toufik Azib (Estaca' lab France paris)

	14:50 - 16:30
MoB5	Genetic Algorithm and Optimization
	Room 2
	<i>Session Chair(s): Rachid ILLOUL (Ecole Nationale Polytechnique) & Dr. Abdelmadjid Boumediene (University of Tlemcen)</i>
2321	Iterative Learning Control for Nonlinear Systems subject to both Structured and Unstructured Uncertainties Authors: Hocine Benslimane (ENP) , Abdesselem Boulkroune (Jijel University) , Hachemi CHEKIREB (Ecole Nationale Polytechnique)
2462	A new artificial bee colony algorithm for numerical optimization Authors: Oussama Ait Sahed (Blida 1 University) , Kamel Kara (Blida 1 University) , Abousoufyane Benyoucef (SET Laboratory, Electronics D) , Mohamed Laid Hadjili (High School of Computer Sciences (HEB-ESI))
2638	A New Decomposition Strategy Approach Applied for Web Winding System Control Optimization Authors: Mohamed Doghmane (University Mhamed Bougra de Boumerdes, Algeria) , lamraoui walid (university of boumerdes) , madjide kidouche (UMBB) , hacéne habbi (UMBB)
2781	Fuzzy Controller Parameters Optimization by Using Genetic Algorithm for the control of inverted pendulum Authors: SAIDI KHAYREDDINE (MOULOUD MAMMERI UNIVERSITY) , Mourad ALLAD (Département Automatique)
2789	Parameters Extraction of Photovoltaic Module for Long-Term Prediction Using Artifical Bee Colony Optimization Authors: Elyes Garoudja (Blida 1 university) , Kamel Kara (Blida 1 University) , aissa chouder (University of m'sila) , Santiago Silvestre (Universitat Politècnica de Catalunya)

	17:00 - 18:40
MoC1	Chaos
	Auditorium
	<i>Session Chair(s): Krishna Busawon () , Amal Choukchou-Braham (University of Tlemcen Algeria)</i>
2314	Bifurcation Analysis and Chaos in Simplest Fractional-order Electrical Circuit Authors: Mohammed Salah Abdelouahab (University) , René Lozi ()
2510	Function Vector Synchronization Based On Fuzzy Control For Uncertain Chaotic Systems With Dead-Zone Nonlinearities Authors: Sarah Hamel () , Abdesselem Boulkroune (Jijel University)
2530	On the Use of the Unified Chaotic System in the Field of Secure Communication Authors: Sonia HAMMAMI (University of Tunis El Manar L) , Mohamed DJEMAÏ (UVHC) , Krishna Busawon (Northumbria University)
2717	On Secure Image Transmission Combining Chaotic Encryption and Watermarking Using Dead Beat Synchronization of 4D Henon Maps Authors: Narjes Khalifa (ENIT) , Rania Linda Filali (ENIT) , Mohamed Benrejeb ()
2839	Output observer for chaos synchronisation applications Authors: Josep Canyelles-Pericas (Northunmbria University) , Krishna Busawon ()

	17:00 - 18:40
MoC2	Signal Processing 2
	Amphi 1
	<i>Session Chair(s): Pr. F. Berekhi Reguig & Dr. F. Derraz (University of Tlemcen)</i>
2192	Robust Multimodal Biometric Identification System Using Finger-Knuckle-Print features Authors: Abdallah Meraoumia (University of ouargla) , Salim Chitroub (USTHB university)
2427	Fast Algorithm to Minimize model Combining Dynamically Local and Global Fitting Energy for Image Segmentation Authors: Yamina Boutiche (Welding and NDT Research Cente)
2490	Contribution to the Implementation of Image Mosaicing Algorithm on FPGA using NIOS II Softcore Authors: Abdelhai LATI (LSN/EMP) , Zohir IRKI (LSN/EMP) , samir SAKHI (EMP) , Abdelkrim NEMRA (EMP) , Mustapha HAMERLAIN ()
2605	Facial age estimation and gender classification using Multi Level Local Phase Quantization Authors: Salah Eddine Bekhouche (University of Biskra, Algeria) , Abdelkrim Ouafi (University of Biskra, Algeria) , Azeddine Benlamoudi (University of Ouargla, Algeria) , Ahmed Abdelmalik () , Abdenour Hadid (University of Oulu, Finland)
2609	Face spoofing detection using Local binary patterns and Fisher Score Authors: Azeddine Benlamoudi (University of Ouargla, Algeria) , Djamel Samai (University of Ouargla, Algeria) , Abdelkrim Ouafi (University of Biskra, Algeria) , Salah Eddine Bekhouche (University of Biskra, Algeria) , Ahmed Abdelmalik () , Abdenour Hadid (University of Oulu, Finland)
2692	Mass Segmentation in Mammograms For Computer- Aided Diagnosis Of Breast Cancer Authors: HADJIDJ Ismahan (UABB) , feroui Amel (UABB) , Bessaïd Abdelhafid (UAAB)

17:00 - 18:40

MoC3

Identification and Estimation

Amphi 2

Session Chair(s): Meriem Taouss () , Boumediène BENYAHIA (UABB-Tlemcen)

1126

Fuzzy identification and control of a piezoelectric actuator

Authors: Aissa Rebai (ENP d'Alger) , Kamel Guesmi (CReSTIC, Reims University , France) , Boualem Hemici (National Polytechnic School of Algiers-Algeria)

1129

Fuzzy Direct Torque Control of Induction Motor with Sensorless Speed Control Using Parameters Machine Estimation

Authors: Bendaha Yesma (USTO) , mazari benyouunes (USTO)

2387

An optimal iterative algorithm to solve Cauchy problem for Laplace equation

Authors: Muhammad Majeed (KAUST) , Meriem Taouss ()

2424

Wiener System Identification using Polynomial Non Linear State Space Model

Authors: Lamia SERSOUR (University M. MAMMERI) , Tounisia DJAMAH (M. Mammeri University of Tizi) , Karima HAMMAR (University M. MAMMERI) , Maamar Bettayeb ()

2691

Simultaneous Estimation of the State and the Unknown Inputs for a Class of Switched Linear Systems

Authors: Khaled Laboudi (CReSTIC) , Nadhir Messai (CReSTIC, URCA) , Noureddine Manamanni (CReSTIC, URCA)

	17:00 - 18:40
MoC4	PSO & Optimization
	Room 1
	<i>Session Chair(s): Samir Otmane (IBISC) , Lotfi Beji (University of EVRY)</i>
2198	A Maximum Power Point Tracker based on Particle Swarm Optimization for PV-Battery Energy System under Partial Shading Conditions. Authors: KERMADI Mostefa (National Polytechnique School) , BERKOUK El Madjid (National Polytechnique School)
2610	Neural network monitoring system used for the frequency vibration prediction in gas turbine Authors: Ben Rahmoune Mohamed () , Hafaifa Ahmed (LAADI, University DJELFA) , Guemana Mouloud ()
2695	Particle Swarm Optimization Based Reactive Power Planning for Line Stability Improvement Authors: Youcef AMRANE (University of Science and Tech) , Mohamed BOUDOOUR () , Ahmed Amine LADJICI (University of Science and Technology Houari Boumediene)
2714	Parameter identification of photovoltaic cell/module using genetic algorithm (GA) and particle swarm optimization (PSO) Authors: Ali DALI (CDER) , Abderrazak bouharchouche (CDER) , Said DIAF (CDER)
2418	Time–Dependant Trajectory Generation for Tele-operated Mobile Manipulator Authors: Isma Akli (CDTA) , Brahim Bouzouia (CDTA, Algeria)

	17:00 - 18:40
MoC5	Fault Detection
	Room 2
	<i>Session Chair(s): Nadhir Messai (CReSTIC, University of Reims Champagne-Ardenne)</i>
2403	Design of a Robust Observer-Based FDI Scheme For a Class of Switched Systems Subject to Sensor Faults Authors: DjamelEddine Chouaib Belkhiat (Ferhat Abbas University) , Seif eddine Chouaba (Intelligent Systems Laboratory) , Hassen Fourati (Univ. Grenoble Alpes, GIPSA-Lab, NeCS team, INRIA, F-38000, Grenoble, France) , Dalel Jabri (MACS, University of Gabes Gabes, Tunisia)
2421	AR Model of The Torque Signal For Mechanical Induction Motor Faults Detection and Diagnosis Authors: Smail HAROUN (LSEI (USTHB)) , Amirouche Nait Seghir (USTHB) , Said Touati (CRNB) , Samir Hamdani (USTHB)
2782	Sliding Mode Controller for Breathing Subsystem on a PEM Fuel Cell System Authors: Zakaria BAROUD (LacCOSERE) , Mohammed BENMLOUD (Amar telidji university) , Atallah BENALIA (Amar telidji university)
2840	PI observer gain optimization for fault detection with disturbance attenuation Authors: Lamine Mohamadi (Northunmbria University)
23	Toward Safety Navigation in Cluttered Dynamic Environment: A Robot Neural-Based Hybrid Autonomous Navigation and Obstacle Avoidance with Moving Target Tracking Authors: Nacer Hacene (University of Bejaia) , boubeker mendil (university of Bejaia)

	09:20 - 11:00
TuA1	Control Application 1
	Auditorium
	<i>Session Chair(s): Nahla Khraief () , Amal Choukchou-Braham (University of Tlemcen Algeria)</i>
1128	Fuzzy Quasi LPV Model for a cross flow heat exchanger Authors: Seif eddine Chouaba (Intelligent Systems Laboratory) , DjamelEddine Chouaib Belkhiat (Ferhat Abbas University) , bilal Sari (He was with IREENA-CRTT École polytechnique de Nantes, St Nazaire, France) , Luis Carlos Felix-Herran (ITESM, Monterrey, Mexico)
2231	Stabilization of Inertia Wheel Inverted Pendulum by Model Reference Adaptive IDA-PBC : From simulation to real-time experiments Authors: Nahla Khraief () , Safya Belghith (ENIT) , Ahmed Chemori (LIRMM) , Juan José (Spain)
2658	Calibration and Validation of a Switched Linear Macroscopic Traffic Model Authors: ZEROUAL Abdelhafid (LAIG) , Nadhir Messai (CReSTIC, University of Reims Champagne-Ardenne) , KECHIDA Sihem (LAIG) , HAMDI Fatiha (CReSTIC & LAAAS)
2772	Stabilizing control based observer for a remotely operated vehicle (ROV-Observer) Authors: Adel Khadhraoui (IBISC) , lotfi beji (IBISC) , Samir Otmane (IBISC Lab, University of Evry, France) , Azgal Abichou ()
2842	Stochastic stability and observer design for the lac operon model Authors: ASMA BEN HALIM (NORTHUMBRIA UNIVERSITY) , Krishna Busawon () , maia angelova ()

09:20 - 11:00

TuA2

TuA2 : Industrial Electronics

Amphi 1

Session Chair(s): Ahmed Amine LADJICI (University of Science and Technology Houari Boumediene)

1151

Benefits of HVDC for Reducing the Risk of Cascading Outages and Large Blackouts in AC/DC Hybrid Grid

Authors: Benasla Mokhtar (University) , Allaoui Tayeb (Tiaret University) , Brahami Mostefa () , Aek Boudali ()

2291

FPGA implementation of high gain observer for induction machine using Simulink HDL Coder

Authors: Moez Besbes (ENIM) , Salim Hadj Said (National Engineering School of Monastir) , Fouzi M'sahli ()

2563

Observability Analysis of Multicellular Converters: Hybrid Approach

Authors: Noureddine GAZZAM (Amar telidji university) , Mohammed BENMLOUD (Amar telidji university) , Atallah BENALIA (Amar telidji university)

2627

Voltage Stability Analysis and Optimal Distributed Generators Placement Study on Algerian Power Network

Authors: Houssam NAHILIA (LSEI,USTHB) , Mohamed BOUDOUR ()

2729

The influence the angles of delay and overlap in the rate of harmonic in HVDC

Authors: Mohammed Abderrezak AMINALLAH (Université sidi bel abbes)

	09:20 - 11:00
TuA3	Information Technology 2
	Amphi 2
	<i>Session Chair(s): Nidhal Bouaynaya (Rowan University)</i>
8	Face Recognition using 1DLBP, DWT and SVM Authors: Amir Benzaoui (University of May 08th 1945) , BOUKROUCHE A/ Hani (Laboratory of PIMIS, university of Guelma) , DOGHMANE Hakim (Laboratory of PIMIS, university of Guelma) , Bourouba Hocine (University of Guelma algeria)
2537	On Evaluating the Scalability Aspect of Gait-Based Biometric Systems for Larger Population Authors: Imed Bouchrika (University of Souk Ahras)
2643	Ear recognition based on Multi- bags-of-features histogram Authors: Bourouba Hocine (University of Guelma algeria) , DOGHMANE Hakim (Laboratory of PIMIS, university of Guelma) , Amir Benzaoui (University of May 08th 1945) , BOUKROUCHE A/ Hani (Laboratory of PIMIS, university of Guelma)
2776	Nose Tip Localization on a Three Dimensional Face across Pose, Expressions and Occlusions Variations in a Riemannian Context Authors: Samia Bentaieb (USTO MB) , Abdelaziz Ouamri (Signals and Images Laboratory University of USTOMB Oran, Algeria) , Mokhtar Keche ()
2791	Filtered-based Expectation–Maximization Algorithm for Emission Computed Tomography (ECT) Image Reconstruction Authors: BOUDJELAL Abdelwahhab (University of M'sila) , Messali Zoubeida (University of Bordj Bou-Arréridj) , Attallah Bilal (University of M'sila)

	09:20 - 11:00
TuA4	Fractional Order Signals, Systems and Control (SS): Special Session
	Room 2
	<i>Session Chair(s): Samir Ladaci (National Polytechnic School) , Abdelfatah Charef (University Frères Mentouri, Constantine, Algeria)</i>
2261	Secure data transmission scheme based on fractional-order discrete chaotic system Authors: Hamid Hamiche (Université Mouloud MAMMERI, TO) , Sarah Kassim (Department of Control Engineering L2CSP, UMMTO Tizi-Ouzou , Algeria) , Saïd Djennoune (Department of Control Engineering L2CSP, UMMTO Tizi-Ouzou , Algeria) , Saïd Guermah (Department of Control Engineering L2CSP, UMMTO Tizi-Ouzou , Algeria) , Mourad Lahdir (Department of Control Engineering L2CSP, UMMTO Tizi-Ouzou , Algeria) , Maâmar Bettayeb (University of Sharjah Sharjah, UAE)
2399	Fractional Hammerstein system identification using polynomial non-linear state space model Authors: Karima HAMMAR (Univerity M. MAMMERI) , Tounisia DJAMAH (M. Mammeri University of Tizi) , Maamar Bettayeb ()
2464	Fuzzy adaptive synchronization of a class of fractional-order chaotic systems Authors: Amel Bouzeriba () , Abdesselem Boulkroune (Jijel University) , Toufik Bouden ()
2545	Indirect Fractional Adaptive Pole Placement Control Authors: Samir Ladaci (National Polytechnic School of) , Sara Cheniki (Skikda University) , Hadjer Bendjama (Skikda University) , Abdelfatah Charef (University Frères Mentouri, Constantine, Algeria)
2576	Chaotic Convective Behavior and Stability Analysis of a Fractional Viscoelastic Fluids Model in Porous Media Authors: Ibrahima NDoye (KAUST) , Meriem Taouss ()

	14:50 - 16:30
TuB1	Solar Energy
	Auditorium
	<i>Session Chair(s): BENTOUBA SAID (LABORATORY LDDI) , Amal Choukchou-Braham (University of Tlemcen Algeria)</i>
2228	Comparative study of parabolic trough power plant with integrated TES and BS using synthetic oil and molten salt Authors: Taqiy Eddine Boukelia (University of Constantine 1) , Mohamed Salah Mecibah (University of Constantine 1) , Imad Eddine Meriche (Université Constantine 1) , zoubir Belgroun (Unité de développement des Equipements Solaires-UDES/ EPST)
2233	Semi-analytical Modeling and Optimization of a: SiGe Thin-film Solar Cell Including Multi-trench Region Authors: HICHEM FERHATI (UNIVESITY OF BATNA) , faycal djeffal (university of batna) , MOHAMED MEGUELLATI (UNIVERSITY OF BATNA) , hichem bencherif (university of Batna)
2377	Modeling and Analysis of the Photovoltaic array Faults Authors: amor Fezzani (Unité de Recherche Appliquée en Energie Renouvelables, Ghardaïa) , Idriss Hadj Mohammed (Unité de Recherche Appliquée en Energie Renouvelables, Ghardaïa) , Said DRID (university of batna) , Larbi CHRIFI-ALAOUI (University of Picardie Jules Verne)
2535	An Overview Of Solar Cells Parameters Extraction Methods Authors: TCHOKETCH KEBIR Selma (Ecole Nationale Polytechnique) , HADDADI Mourad () , AIT CHEIKH Mohamed Salah ()
2753	An experimental study of low concentration on monocrystalline solar cells Authors: Abderrahmane HABIRECHE (USTHB) , Nacer SAIDI () , Akkila BOUKHELIFA (USTHB) , Abdelaziz TALHA (USTHB) , Houria BOUMAARAF (USTHB)

	14:50 - 16:30
TuB2	Coding, Cryptography and Transmission
	Amphi 1
	<i>Session Chair(s): Krishna Busawon (Northumbria University)</i>
2	Block-Based Distributed Video Coding Without Channel Codes Authors: Manel Benaissa (University of Constantine 1)
2211	Lossless Image Medical Compression Based on Mojette Transform Using DWT Authors: Djamel Eddine Boukhari (University of Biskra)
2445	On the Optimization of the Average Number of Additions in the RADIX-2r Recoding Heuristic Authors: Belkacem KHITER (Centre de Développement des Te) , Abdelkrim OUDJIDA (CDTA) , Mahmoud Belhocine (CDTA)
2498	Elliptic Curve Cryptographic Processor Design using FPGAs Authors: Selma Haichour (UMBB) , Mhamed Hamadouche (UMBB)
2620	QoS evaluation in VoIP software with and without Blowfish encryption module Authors: Khaled MOHAMED (USTO Oran) , Mohamed Ouslim (LMSE Lab. Electronics Dept. University USTO MB, Oran, Algeria 31000) , hamoudi mohammed (USTO MB) , Masmoudi Mostefa (University of science and tech)

	14:50 - 16:30
TuB3	Sliding Mode
	Amphi 2
	<i>Session Chair(s): Abdulrahman Bajodah (King Abdulaziz University)</i>
2348	High Order Sliding Mode Observer Based Extremum Seeking Controller for a Continuous Stirred Tank Bioreactor Authors: Bachir DAAOU (USTO-MB) , Denis DOCHAIN (Université Catholique de Louvain)
2383	Sliding mode Control for a Small Coaxial rotorcraft UAV Authors: Mokhtari Rida (Abou Bekr Belkaid) , Brahim Cherki (University of Abou Bekr Belkaid, Tlemcen)
2423	Super Twisting Sliding Mode Control Of an Electric Vehicle Authors: HASSAN BENARIBA (TLKEMCEN UNIVERSITY) , Abdelmadjid Boumediene (Tlemcen university)
2514	Experimental Evaluation of Induction Motor Robust Control Using Sliding Mode Linearization Technique Authors: Benderradj Hadda (Univ. Msila) , Larbi CHRIFI-ALAOUI (University of Picardie Jules Verne) , Said DRID (University of Batna) , Makouf Abdessalam (Univ. Batna)
2823	Quadrotor Control using Generalized Dynamic Inversion and Terminal Sliding Mode Authors: Uzair Ansari (King Abdulaziz University) , Abdulrahman Bajodah (King Abdulaziz University)

	14:50 - 16:30
TuB4	Discrete Event Systems & Software (SS): Special Session
	Room 1 <i>Session Chair(s): Redouane, KARA (Mouloud Mammeri University, Algeria) , Said AMARI (ENS Cachan, France) , Latéfa GHOMRI (Abou Bakr Belkaid University, Algeria)</i>
2451	Radial Basis Function Neural Network-based Adaptive Control of Uncertain Nonlinear Systems Authors: Hamou AIT ABBAS (Université Amar Telidji - Lagh) , Mohammed BELKHEIRI (Université Amar Telidji de Laghouat) , Boubakeur ZEGNINI (Laboratoire d'Etude et de Développement des Matériaux semi-conducteurs et Diélec) , Abdelhamid Rabhi (, Université de Picardie Jules Verne)
2516	Kernel Methods to detect Intruders Authors: Rachid Beghdad (Bejaia University) , Youcef Ziraoui , Nassim Kouache
2599	Fire safety DSL based algebra Authors: Houda CHANTI (Haute Alsace University-France) , Laurent THIRY (Haute Alsace University-Mulhouse (France)) , Michel HASSENFORDER (Haute Alsace University-Mulhouse (France)) , Elizabeth BLANCHARD (CSTB) , Philippe FROMY (CSTB - Champs sur marne (France))
2623	Performance evaluation of a Flexible Manufacturing System using two formal methods Authors: Liza Mameri (L2CSP UMMTO) , Redouane, KARA (Mouloud Mammeri University, Algeria) , Said AMARI (ENS Cachan, France)
2815	Hybrid Control of DFIG Using Multicellular Converters Authors: Fateh Taibi (Ecole Nationale Polytechnique) , Mohamed Seghir Boucherit (Enp) , Mohamed Tadjine () , Omar Benzineb (University of Blida, Algeria)

	14:50 - 16:30
TuB5	Advanced Human Machine Interface (SS): Special Session
	Room 2
	<i>Session Chair(s): Rachid GHERBI (University Paris-Sud XI, France) , Nadia ZENATI (CDTA, Algeria)</i>
2226	Neural Network Balance Control of Hopping Robots in Flight Phase under Unknown Dynamics Authors: Hicham Chaoui (Tennessee Tech. University) , Suruz Miah (University of Ottawa) , Mohamed Redouane Kafi (Université Ouargla) , Bekhada HAMANE (University of Quebec (UQTR))
2686	A Linguistic Perspective to Develop Graphical User Interfaces Authors: Iyad Khaddam (UCL) , Nesrine Nezhoudi (Université catholique de Louvain) , Jean Vanderdonckt (Université catholique de Louvain)
2688	Towards a Linguistic Modeling of Graphical User Interfaces: Eliciting Modeling Requirements Authors: Iyad Khaddam (UCL) , Nesrine Nezhoudi (Université catholique de Louvain) , Jean Vanderdonckt (Université catholique de Louvain)
2820	Extended Web Services for Remote Collaborative Manipulation in Distributed Augmented Reality Authors: Samir Benbelkacem (CDTA) , Nadia ZENATI (CDTA, Algeria) , Hayet Belghit (CDTA) , Abdelkader Bellarbi (CDTA) , Samir Otmane (IBISC)
2821	An Improved MOBIL Descriptor for Markerless Augmented Reality Authors: Abdelkader Bellarbi (CDTA) , Nadia ZENATI (CDTA, Algeria) , Hayet Belghit (CDTA) , Mahfoud Hamidia (CDTA) , Samir Benbelkacem (CDTA) , Samir Otmane (IBISC Lab, University of Evry, France)

17:00 - 18:40	
TuC1	Diagnosis
	Auditorium <i>Session Chair(s): Meriem Taouss (KAUST), Amal Choukchou-Braham (University of Tlemcen)</i>
45	An Effective Method for Bearing Faults diagnosis Authors: ADEL BOUDIAF (Welding and NDT Research, Cen) , Salah BOUHOUCHE () , ABDELKrim MOUSSAOUI (Laboratory of Electrical Engineering of Guelma (LGEG) University of Guelma BP401) , Samira taleb (Welding and NDT Research Centre (CSC), BP 64 Cheraga, Algiers 16000, Algeria)
2341	Smart Diagnosis Algorithm of the Open-Circuit Fault in a Photovoltaic Generator Authors: Wail REZGUI (Batna university)
2487	Vibration-Based Bearing Fault Diagnosis by an Integrated DWT-FFT Approach and an Adaptive Neuro-Fuzzy Inference System Authors: Issam ATTOUI (URTI / CSC) , Nadir Boutasseta (URTI / CSC) , Nadir Fergani (URTI / CSC) , Brahim Oudjani (URTI / CSC) , adel Deliou (URTI / CSC)
2647	Diagnostic of the Simultaneous of Dynamic Eccentricity and Broken Rotor Bars Using the Magnetic Field Spectrum of the air-gap for an Induction Machine Authors: SEGHIOUR Abdellatif (University Amar Telidji) , SEGHIER Tahar (Labo d'Étude et Développement des Matériaux Semi-Conducteurs et Diélectriques) , ZEGNINI Boubakeur (Labo d'Étude et Développement des Matériaux Semi-Conducteurs et Diélectriques)
2802	Simulation and Experimental Study of Induction Motor Broken Rotor Bars Fault Diagnosis using Stator Current Spectrogram Authors: Ameur Fethi AIMER (USTO-Oran) , BOUDINAR Ahmed Hamida (USTO-MB) , BENOUZZA Noureddine (USTO-MB) , BENDIABELLAH Azeddine (USTO-MB)

	17:00 - 18:40
TuC2	Control Application 2
	Amphi 1 <i>Session Chair(s): Abdulrahman Bajodah (King Abdulaziz University)</i>
2215	Multivariable control of a drum-type boiler system through LQG fuzzy emulation Authors: Oualid LAMRAOUI (UMBB) , Hacene HABBI (UMBB)
2319	Effects of geometric parameters and limits of application of microelectronic capacitive pressure sensors Authors: Souhila Bouguima (University Abou Bekr Belkaid T)
2513	Design and Investigation of Fuzzy-PI and RST Controllers for a High Performance Matrix Converter Using Venturini Modulation Strategy Under Distorted Grid Voltage Authors: Bekhada HAMANE (University of Quebec (UQTR)) , Mamadou Lamine Doumbia (Dept. of Electrical and Computer Engineering, Université du Québec à Trois-Rivières) , Hicham Chaoui (Tennessee Tech. University)
2515	An adaptive fuzzy PI control for a class of unknown nonaffine systems Authors: Cherrat Nidhal (University Jijel) , Hamid BOUBERTAKH (University of Jijel)
2650	Dynamic Model Prediction Control for an Activated Sludge Model based on a T-S Multi-Model Authors: MATOUG LAMIA (Badji Mokhtar university) , M.Tarek Khadir M.Tarek (Badji Mokhtar University)

	17:00 - 18:40
TuC3	Fuzzy Control & Sliding mode
	Amphi 2 <i>Session Chair(s): Belkacem Kada (KAU University), Boumediène BENYAHIA (UABB-Tlemcen)</i>
2246	Fuzzy Adaptive Backstepping Sliding Mode Control of the Cart-Pendulum System Authors: KHALISSA BEIH (UNIVERSITY OF BBA) , djamila Zehar (University of Bordj Bou Arreridj) , Ahmed Abdelmalik () , Khier Benmohammed (University of Setif)
2465	Sliding Mode Observers for T-S Fuzzy Systems with Application to Sensor Fault Estimation Authors: Farah HAOUARI (Université Aboubekr Belkaïd) , Brahim Cherki (University of Abou Bekr Belkaïd, Tlemcen) , Mohamed DJEMAI (UVHC)
2540	An LMI Approach to Robust H_{∞} Control and Stabilization Analysis for Uncertain T-S Fuzzy Systems with State and Input Time-Delays Authors: Faiçal BOURAHALA () , Nafir Nourreddine (Universty)
2559	A Multiobjective Integer Differential Evolution Approach for Computer Aided Drug Design Authors: Abla Mahdadi (Computer Science Department) , Souham Meshoul (Computer Science Department Constantine 2 University-A.Mehri Constantine,Algeria)
2581	Backstepping Approach for Nonlinear Super Twisting Sliding Mode Control of an Induction Motor Authors: Mohamed Horch (Université de Tlemcen) , Abdelmadjid Boumediene (Tlemcen university) , Lotfi BAGHLI (Université de Tlemcen)
2597	Output feedback based sliding mode control of active suspension using backstepping Authors: Jagat Rath (Kyungpook National Univeristy) , Veluvolu Kalyana () , Michael Defoort ()

17:00 - 18:40

TuC4

TuC4 : Maintenance and Reliability

Room 1

Session Chair(s): Dr. Mohamed-Larbi Rebaiaia () and Dr. A. Khattab

2844 **A maintenance optimization model for a second hand stochastically deteriorating system under different operating environments**

Authors: Daoud Ait-Kadi (Laval University)

2845 **Risk Assessment in ERP projects using an integrated method**

Authors: Daoud Ait-Kadi (Laval University) , Mohamed-Larbi Rebaiaia () , Afshin Jamshidi (Laval University)

2846 **Prioritization of Health Service Failures; A novel Cost-based framework**

Authors: Samira Abbasgholizadeh-rahimi (Laval University) , Afshin Jamshidi (Laval University) , Daoud Ait-Kadi (Laval University) , Mohamed-Larbi Rebaiaia ()

2847 **Modified Block Replacement with Used Items at Scheduled Periods and at Failures**

Authors: Mohamed-Larbi Rebaiaia () , Daoud Ait-Kadi (Laval University) , Samira Abbasgholizadeh-rahimi (Laval University) , Afshin Jamshidi (Laval University)

2848 **A combination of reliability calculus and Importance Measures for Probability Risk Analysis**

Authors: Mohamed-Larbi Rebaiaia () , Daoud Ait-Kadi (Laval University) , Afshin Jamshidi (Laval University) , Samira Abbasgholizadeh-rahimi (Laval University)

	17:00 - 18:40
TuC5	Renewable Energy 3
	Room 2 <i>Session Chair(s): Krishna Busawon () , Abdelmadjid Boumediene (Tlemcen university)</i>
2373	Numerical Solution of NEPCM Melting inside Spherical Enclosure Authors: BECHIRI Mohammed (University M'Hamed Bougara) , Mansouri Kacem (University M. Bougara, Energy and Mechanical Engineering Laboratory) , Hamlet Nawal (University M. Bougara, Energy and Mechanical Engineering Laboratory) , Amirat Silia (University M. Bougara, Energy and Mechanical Engineering Laboratory)
2437	Improvements of the Combustion Characteristics by the Hydrogen Enrichment Authors: Fethi BOURAS (University of El Oued)
2466	Voltage and Frequency Control of Wind-Powered Islanded Microgrids based on Induction Generator and STATCOM Authors: Allal El Moubarek BOUZID (Department of Electrical & Com) , Pierre Sicard (Department of Electrical & Computer Engineering Université du Québec à Trois-R) , Ahmed Cheriti (1 Department of Electrical & Computer Engineering Université du Québec à Trois-R) , Josep M Guerrero (Department of Energy Technology, Aalborg University, Aalborg East 9220, Denmark) , Mohamed Bouhamida (Department of Electrical Engineering, Université des Sciences et de la Technolo) , Mohammad S Golsorkhi (4The School of Electrical and Information Engineering, The University of Sydney)
2499	Channels design and dimensions Effect on performance of proton exchange membrane fuel cell (PEMFC) Authors: Kerkoub Youcef (USTHB) , Benzaoui Ahmed (USTHB) , Yasmina Kerboua Ziari (USTHB) , haddad Fadila (usthb) , Babbou Allal (USTHB)
2727	LMI Conditions for Non-Quadratic Stabilization of T-S Models with Pole Placement Assigntion Authors: Abdelmadjid CHERIFI (URCA) , Kevin Guelton (University of Reims, France) , Laurent Arcese (University of Reims, France)

09:20 - 11:00	
WeA1	WeA1 : Wind Energy
	Auditorium <i>Session Chair(s): Nадир Messai (CReSTIC, University of Reims Champagne-Ardenne) , Amal Choukchou-Braham (University of Tlemcen Algeria)</i>
84	Computer Aided Design and Multiple Coupled Circuit Modelling of BDFM Authors: Saad CHAOUCH (Hadj Iakhdar University, Batna)
2229	Modeling and Direct Power Control for a DFIG Under Wind Speed Variation Authors: Mourad Loucif (Tlemcen university) , Abdelmadjid Boumediene (Tlemcen university)
2668	Fuzzy Logic based Sensorless MPPT Algorithm for Wind Turbine System Driven DFIG Authors: Dida Abdelhak (Biskra university) , benattous Djilani ()
2670	Modeling and Control of DFIG via Back-to-Back Multilevel Converters using Fuzzy Logic Controller Authors: Dida Abdelhak (Biskra university) , benattous Djilani ()
2682	State Space Modeling and Performance Analysis of Self-Excited Induction Generators for Wind Simulation Authors: Allal El Moubarek BOUZID (Department of Electrical & Com) , Ahmed Cheriti (1 Department of Electrical & Computer Engineering Université du Québec à Trois-R) , Pierre Sicard (Department of Electrical & Computer Engineering Université du Québec à Trois-R) , Mohamed Bouhamida (Department of Electrical Engineering, Université des Sciences et de la Technolo) , Mustapha Benghanem (Université des sciences et de la technologie d'Oran - Mohamed-Boudiaf)

09:20 - 11:00

WeA2

WeA2 : Model Predictive Control and Application (SS): Special Session

Amphi 1

Session Chair(s): Hafaifa Ahmed () , Abdellah KOUZOU (University of Djelfa, Algeria)

1131

State Constrained predictive control of Cart with Inverted Pendulum

Authors: Bdirina El Khansa (ENP) , Boucherit Mohamed Seghir (ENP) , Madni Zineb (Djelfa university) , Hadjar Ramdane (King Saoud university)

2205

Genetic Algorithm Based Adaptive Fuzzy Terminal Synergetic DC-DC Converter Control

Authors: YAKOUB NETTARI (University setif1) , Mohamed harmas (university)

2237

Sliding Mode Control And Optimal GPC Algorithm for Coupled Tanks

Authors: Nail Bachir (Djelfa) , Bekhiti Belkacem () , Bdirina El Khansa (ENP) , Kouzou Abdellah () , Hafaifa Ahmed ()

2797

Simple Sliding Mode Applied to the Three-Level Boost Converter for Fuel Cell Applications

Authors: Mohamed Djameleddine BOUGRINE (University of Laghouat) , Atallah BENALIA (Amar telidji university) , Mohamed El Hachemi BENBOUZID (LBMS, Université de Bretagne Occidentale UBO - Brest.)

2838

Development of MPC Algorithm for quasi Z-Source Inverter (qZSI)

Authors: Kouzou Abdellah () , bakeer abualkasim (U. Aswan, Egypt) , Mohamed Ali Alzanaty (U. Aswan, Egypt) , Mohamed Orabi (U. Aswan, Egypt)

	09:20 - 11:00
WeA3	Information Technology 3
	Amphi 2
	<i>Session Chair(s): Nidhal Bouaynaya (Rowan University, USA)</i>
1152	Homogenous and Secure Weighted Clustering Algorithm for Mobile Wireless Sensor Networks Authors: Dahane Amine (Laresi Laboratory, USTO, Oran) , Berrached Nasreddine (Laresi Laboratory, USTO, Oran) , Loukil Abdelhamid (Laresi Laboratory, USTO, Oran)
2171	Arbitrary Shaped Antenna Design for LTE2300/LTE2500/WLAN Applications Authors: Mohammed MOULAY (TLEMCEN UNIVERSITY) , ABRI MEHADJI (ABOU BEKR BELAKID UNIVERSITY) , Hadjra ABRI BADAoui (Tlemcen, university)
2344	A low overhead routing protocol for Ad hoc networks Authors: DIDI FEDOUA (University of TLEMCEN) , BAMBRIK ILYAS (University of Tlemcen)
2441	Network Selection Using Game Theory Authors: Fayssal Bendaoud (Université de Tlemcen) , Marwen Abdennabi (L2TI, Paris 13 University) , DIDI FEDOUA (University of TLEMCEN)
2767	Framework for VOIP speech database generation and a comparison of different features extraction methods for speaker identification on VOIP Authors: El-taani Imene (USTHB) , amrous Anissa Imen (USTHB) , Mohamed Debyech (USTHB)

09:20 - 11:00	
WeA4	Power Systems
	Room 1 <i>Session Chair(s): Abdulrahman Bajodah (King Abdulaziz University), Belkacem Kada (KAU University)</i>
<hr/>	
66	Study and Implementation of indirect space vector modulation (ISVM) for direct matrix converter Authors: Ali BENACHOUR (ENP) , BERKOUK El Madjid (National Polytechnique School) , Mohaned oulhadj mahmoudi (ENP)
2264	Improvement of a photovoltaic pumping system for irrigation of greenhouses Case study for Laghouat, Algeria Authors: HADJAISSA Boubakeur (Laghouat university) , AMEUR Khaled (Laghouat university) , Najib Essounbouli (CReSTIC, IUT de Troyes) , AIT CHEIKH Mohamed Salah ()
2290	μ-Synthesis Based Robust Voltage Control for Cascade Boost Power Converter Authors: Noureddine Goléa (Larbi Ben M'hidi University) , Fateh Ounis (Larbi Ben M'hidi University)
2439	Speed-Sensorless Direct Torque and Flux Control of PMSM Based on Extended Kalman Filter Using Space Vector Modulation Authors: KENDOUCI Khedidja (University of Sciences and Tec) , mazari benyouunes (USTO) , Mohamed rachid BENHADRIA (University of Sciences and Technology of Oran –Mohamed Boudiaf,) , DADI rachida (University of Sciences and Technology of Oran –Mohamed Boudiaf,)
2440	Energetic Macroscopic Representation (EMR) based on Internal Model Control (IMC) for Fuel Cell and Supercapacitor Hybrid Electric Vehicles Authors: Abderrezak Badji (Université Mouloud Mammeri) , Hakim Djoudi (Université Mouloud Mammeri) , BENYAHIA Nabil (Mouloud MAMMERI University) , Hakim Denoun (Université Mouloud Mammeri) , Mustapha Zaouia (Université Mouloud Mammeri) , BENAMROUCHE Nacereddine (Mouloud MAMMERI University)

	09:20 - 11:00
WeA5	Control Application 3
	Room 2
	<i>Session Chair(s): Samir Otmane (IBISC) , Lotfi Beji (University of EVRY)</i>
1139	H-infinity controller design for Blood Glucose Regulation in Diabetes Patients in the Presence of Uncertain parameters Authors: Aicha Hachana (Electrotechnic Department) , Abdelaziz Mourad (Setif Universite)
2455	Stable indirect adaptive HONN control for a class of non affine SISO nonlinear systems Authors: Nassira Zerari (University of Constantine 1 C) , Mohamed Chemachema University of Constantine 1 Constantine, Algeria)
2546	Induction motor cracked rotor bars fault analysis using an improved Root-MUSIC method Authors: Ahmed BOUDINAR (USTO) , BENOUZZA Noureddine (USTO-MB) , BENDIABELLAH Azeddine (USTO-MB)
2739	An Adaptive Backstepping Controller of Doubly-Fed Induction Generators Authors: Tarek AOUNALLAH (USTHB) , Abdelaziz Hamzaoui () , Najib Essounbouli (CReSTIC, IUT de Troyes) , Farid Bouchafaa (LINS, USTHB)
2224	Design and Realization of a Real-Time Control Platform for Quadrotor Unmanned Aerial Vehicles Authors: Mohamed Redouane Kafi (Université Ouargla) , Hicham Chaoui (Tennessee Tech. University) , Bekhada HAMANE (University of Quebec (UQTR)) , Abdelrezak Debilou (Université Biskra)

11:00 - 11:40

WePoster2 Poster Session 2

Hall

Session Chair(s): Brahim Cherki (University of Abou Bekr Belkaid, Tlemcen)

- 7 Design of Mobile Robot Teleoperation System Based on Virtual Reality**
Authors: Masmoudi Mostefa (University of science and tech) , L. KADDOUR EL BOUDADI (USTO Oran) , Abdelhamid Loukil (USTO Oran) , Khelf MOHAMED (USTO Oran) , Dahane AMINE (USTO Oran)
- 16 ASE analysis Adaptive Pilot Symbol Assisted Modulation with Imperfect CSI**
Authors: Assia HAMIDANE (Ecole Nationale Polytechnique) , Abderrahmane ANOU (University of Blida1) , Daoud BERKANI (Ecole Nationale Polytechnique)
- 40 Control information and analyzing of metering gas system based of orifice plate**
Authors: Harrouz Abdelkader (University of Adrar) , Benatiallah Ali (university of adrар) , Harrouz Omar (ISNAB)
- 57 Importance of Eyes and Eyebrows for Face Recognition System**
Authors: Radji Nadjet (Institute of Electrical and EI)
- 86 Voltage control of DC-DC Buck Converter using Second Order Sliding Mode Control**
Authors: Hamza Sahraoui (Batna university) , Said DRID (university of batna) , Larbi CHRIFI-ALAOUI (University of Picardie Jules Verne) , Mohammed HAMZAOUI (Université de Picardie Jules Verne)
- 1165 Students' Portal Architecture based on SOA**
Authors: Rami Raba (Alazhar University-Gaza)
- 2220 Facial skin motion localization in a video sequence**
Authors: Cherabit Noureddine (ENST. National School of Techn) , Djeradi Amar (University of Science and Technology Houari Boumediene (USTHB)) , Chelali Fatma zohra (University of Science and Technology Houari Boumedienne (USTHB))

11:00 - 11:40

WePoster2 Poster Session 2

Hall

Session Chair(s): Brahim Cherki (University of Abou Bekr Belkaid, Tlemcen)

2328 Comparison between Fuzzy, Neural and Neuro-Fuzzy Controllers for Mobile Robot Path Tracking

Authors: CHERROUN Lakhmissi (Univ of djelfa)

2443 A Simple Small Size Disk Microstrip Patch Antenna with a Rectangular Aperture for UWB Application

Authors: Djamel KHEDROUCHE (University Mohamed Boudiaf), Tahar BOUGOUTAIA (University Mohamed Boudiaf of M'sila) , Abdesselam Hocini (University of Mohamed Boudiaf)

2497 A New Thinning Algorithm for Binary Images

Authors: Lynda Ben Boudaoud (LIMED) , Abderrahmane Sider (LIMED) , Abdelkamel Tari (LIMED)

2517 Modeling and generation of seismic ground motion for active control in civil engineering

Authors: Azizou Fethi (USTHB)

2518 Tracking PDC controller for CSTR

Authors: Mohamed HAZERCHI (National Polytechnic School) , Rachid ILLOUL (Ecole Nationale Polytechnique)

2602 Optimal Load Frequency Control Based on Artificial Bee Colony Optimization Applied to Single, Two and Multi-Area Interconnected Power Systems

Authors: Nour EL Yakine Kouba (Laboratory of Electrical and Industrial Systems (LSEI), USTHB, Algiers, Algeria) , Mohamed Menaa (USTHB) , Mourad Hasni (USTHB) , Mohamed BOUDOUR ()

2604 Direct Power Control Modeling with Optimized LCL filter for Grid Integrated Renewables

Authors: Mohamed Amine Djema (USTHB (LSEI)) , Mohamed BOUDOUR () , Ahmed Amine Ladjici (USTHB (LSEI))

11:00 - 11:40

WePoster2 Poster Session 2

Hall

Session Chair(s): Brahim Cherki (University of Abou Bekr Belkaid, Tlemcen)

- 2619 Outliers' Effect Reduction of One-Class Neural Networks Classifier**
Authors: Bilal Hadjadj (University of Science and Tech) , Youcef CHIBANI (USTHB)
- 2651 Stabilization of Fractional Chen Chaotic System by Linear Feedback Control**
Authors: Karima Rabah (Skikda University) , Samir Ladaci (National Polytechnic School of) , Mohamed Lashab (Skikda University)
- 2681 Expiremental validation of a fault tolerant control of induction motor using a voting algorithm**
Authors: Abdelmadjid Gouichiche (LGEP,Tiaret) , Mohamed ZABAR (IBN Khaldoun University) , Zakaria CHEDJARA (IBN Khaldoun University) , Ahmed Safa (LGEP,Tiaret) , Mohamed Tadjine ()
- 2703 Polarimetric SAR images clustering with Gaussian Mixtures Model**
Authors: Boussad Azmedroub (USTHB) , Mounira OUARZEDDINE (LTIR, FEI, USTHB)
- 2724 Tomographic Image Reconstruction Using Filtered Back Projection (FBP) And Algebraic Reconstruction Technique (ART)**
Authors: Nabil Chetih (CSC)
- 2785 Building diphone database for Arabic text to speech synthesis system**
Authors: Aymen El Kadhi (ENIT) , Hamid AMIRI ()
- 2800 Investigations on the flexibility of a Group Sequence and its effect on the Best-Case Schedule**
Authors: Zakaria YAHOUNI (Tlemcen University) , Nasser Mebarki (Nantes university) , Zaki SARI (Tlemcen University)

	11:00 - 11:40
TuPoster	Poster Session 1
	Hall <i>Session Chair(s): Brahim Cherki (University of Abou Bekr Belkaid, Tlemcen)</i>
20	Feedback Linearization-Virtual Flux Direct Power Control for Three-phase Five-Level NPC Boost Rectifier Authors: Bouzidi Mansour (University Kasdi Merbah, Ouarg) , Benaissa Abdelkader (University of Djilali Liabes, Sidi Bel Abbes) , Bouafia Saber (University of Djilali Liabes, Sidi Bel Abbes) , Bouzidi Ali (University of Hadj Lakhdar Batna) , Barkat Said (M'sila University, M'sila)
75	Fabrication of ZnO thin film based humidity sensor with fast response by sol-gel associated to spin coating method Authors: GHANEM Salah (Constantine1 University) , telia azeddine (Constantine1 univercity) , boukaous chahra (Constantine1 univercity)
1159	Study of the Variation of the Specific Gravity of the Electrolyte during Charge / Discharge Cycling of a Lead Acid Battery Authors: Redouane Megateli (Centre de Développement des En) , Amar Hadj Arab (Centre de Développement des Energies Renouvelables, CDER) , Idir Gaci (Centre de Développement des Energies Renouvelables, CDER)
2190	Non Linear Control of a Doubly Fed Induction Generator in Wind Turbines Authors: Doumi M'Hamed (University of Bechar)
2299	Pre-feasibility study of the hybridization of diesel plants in southern Algerian Authors: AHMED BOUBENIA (University of Boumerdes) , KAMAL MOHAMMEDI (University of Boumerdes Meso team)
2307	3D Finite Element Analyses and Design Optimization of AFPM for Flywheel Energy Storage System Authors: BENDIB MOHAMED EL HADI (UNIVERSITY SETIF) , KHALED BELHOUCHET (Dr) , hachemi mabrouk (university setif 1)

	11:00 - 11:40
TuPoster	Poster Session 1
	Hall <i>Session Chair(s): Brahim Cherki (University of Abou Bekr Belkaid, Tlemcen)</i>
2404	Prediction Global Solar Radiation and Modeling Photovoltaic Module Based on Artificial Neural Networks Authors: Lalia Miloudi (University of Boumerdès)
2420	Fractional order direct current control algorithm for three-phase grid-connected PV system Authors: Afghoul Hamza (LASS, Msila University) , Fateh Krim (Setif-1 University) , CHIKOUCHE Djamel (M'sila University) , Antar Beddar (Skikda University)
2446	Energy analyses of a house Heated by Radiators Low Temperature connected with Solar Storage Tank Authors: ILHEM ZEGHIB (Faculty of Exact Sciences) , chaker abla () , DRIFA BELKHARCHOUCHE (UNIVERSITY)
2611	Investigation of solar air collector with offset strip fin absorber plate for drying agricultural products under different climates of Algeria Authors: Abdelouahab BENSEDDIK (Unité de Recherche Appliquée e) , Abdul Karim Allaf (Laboratory of Engineering Science for Environment LaSIE FRE 3474 CNRS, Universi) , Ahmed AZZI (Unité de Recherche des Matériaux et Energie Renouvelables, (URMER), Faculté des) , rachid KHENNICHÉ (Unité de Recherche Appliquée en Energies Renouvelables, URAER,)
2665	Actuators Fault Detection Using Unknown Input Observer in Hydraulic System Authors: SOUAD TAHRAOUI (University of Tlmeцен) , Abdelmadjid Meghabbar (University of Tlmecen) , Abderrahmane Bellaouar (University of Tlmecen) , Djamila Boubekeur (University of Tlmecen)
2693	Thermal Analysis of The Alsat-1 Satellite Battery Pack Sub Assembly into the Honeycomb Panel Authors: Abdelmadjid Boudjemai (Centre of Satellite Developmen)

	11:00 - 11:40
TuPoster	Poster Session 1
	Hall <i>Session Chair(s): Brahim Cherki (University of Abou Bekr Belkaid, Tlemcen)</i>
2701	Detection of High Impedance Faults in Electrical Power Network Authors: SIHEM ALIOUAT (USTHB) , wafiya KORZET (USTHB) , AZZEDINE NACER (USTHB) , KAMEL BOUDJIT (USTHB) , HOUCINE MOULAI (USTHB)
2719	Fuzzy Logic and Selectivity of Control for Controlling the Paralleling of Four Leg Shunt Active Power Filters Based on Three Dimensional Space Vector Modulation Authors: Chebabhi Ali (Djillali Liabes University) , Fellah Mohammed Karim (ICEPS Laboratory) , Kessal Abdelhalim (Faculty of Science and Technology University of Bordj Bou Arreridj) , Benkhoris Mohamed Fouad (IREENA Laboratory University of Nantes at Saint Nazaire France)
2794	An Evaluation of Conventional and Computational Intelligence Methods for Medium and Long-Term Load Forecasting in Algeria Authors: Abderrezak Laouafi (University of 20 August 1955) , Mourad Mordjaoui (University of Skikda) , Farida Laouafi (University of 20 August 1955)
2629	Analysis of thermal and electrical performance of a solar PV / T air collector, Energetic study for two configurations Authors: Mohamed El Amine Slimani (University of Sciences and Technology Houari Boumediene) , Madjid Amirat (usthb) , Sofiane Bahria (CDER) , Ahmed Mediani (Research unit in Renewable energies in Saharan Medium) , Rabah Sellami (Renewable Energy Equipment Division, Development Unit of Solar)
2660	PAPR reduction in SFBC-MIMO-MC-CDMA systems using Method of Attenuation Complex Chips Authors: Hocine Merah (University) , Djamel SLIMANI (University of Sétif-1) , Mohammed F Alsharek (university)