

2015 3rd International Conference on Control, Engineering & Information Technology

(CEIT 2015)

**Tlemcen, Algeria
25-27 May 2015**



**IEEE Catalog Number: CFP15A33-POD
ISBN: 978-1-4799-8213-4**

Table of Contents -CEIT 2015

Sl. No	Title	PID	Authors
1	Study of the Variation of the Specific Gravity of the Electrolyte during Charge / Discharge Cycling of a Lead Acid Battery....1	PID3560065	Redouane M. Megateli,Gaci Idir,Amar Hadj Arab
2	Comparative study of parabolic trough power plant with integrated TES and BS using synthetic oil and molten salt....5	PID3563531	T.E. Boukelia,M.S. Mecibah,I.E. Meriche,Z. Belgroun
3	μ -Synthesis Based Robust Voltage Control for Cascade Boost Power Converter....9	PID3567991	Fateh Ounis,Noureddine Golea
4	Modeling and Analysis of the Photovoltaic array Faults....15	PID3574089	A. Fezzani,I. Hadj Mahammed,S. Drid,L. Chrifi-Alaoui
5	AR Model of The Torque Signal For Mechanical Induction Motor Faults Detection and Diagnosis....24	PID3577349	S. Haroun,A. Nait Seghir,S. Hamdani,S. Touati
6	Fast Algorithm to Minimize model Combining Dynamically Local and Global Fitting Energy for Image Segmentation....29	PID3577417	Boutiche Yamina
7	Voltage and Frequency Control of Wind-Powered Islanded Microgrids based on Induction Generator and STATCOM....35	PID3579345	Allal.M Bouzid,Pierre Sicard,Ahmed Cheriti,Josep M. Guerrero,Mohamed Bouhamida,Mohammad S.Golsorkhi
8	An Overview Of Solar Cells Parameters Extraction Methods41	PID3582519	Selma Tchoketch Kebir,Mourad Haddadi,Mohamed Salah Ait-Cheikh
9	Indirect Fractional Adaptive Pole Placement Control48	PID3582991	Samir Ladaci,Sara Cheniki,Hadjer Bendjama,Abdelfatah Charef
10	Voltage Stability Analysis and Optimal Distributed Generators Placement Study on Algerian Power Network....54	PID3584653	H.Nahilia,M.Boudour
11	Stabilization of Fractional Chen Chaotic System by Linear Feedback Control....59	PID3584751	Karima Rabah,Samir Ladaci,Mohamed Lashab
12	Multiple Priority Dispatching Rules for the Job Shop Scheduling Problem....64	PID3585107	Mohamed Habib Zahmani,Baghdad Atmani,Abdelghani Bekrar,Nassima Aissani
13	Hybrid Control of DFIG Using Multicellular Converters70	PID3585161	Fateh Taibi,Mohamed Tadjine,Mohamed Seghir,Omar Benzineb
14	Parameters Extraction of Photovoltaic Module for Long-Term Prediction Using Artificial Bee Colony Optimization....76	PID3585187	Elyes Garoudja,Kamel Kara,Aissa Chouder,Santiago Silvestre
15	Fractional Hammerstein system identification using polynomial non-linear state space model....82	PID3671621	Hammar Karima,Tounsia Djamah,Maamar Bettayeb
16	Design and Realization of a Real-Time Control Platform for Quadrotor Unmanned Aerial Vehicles....88	PID3671931	Mohamed Redouane Kafi,Hicham Chaoui,Bekhada Hamane,Abdelrezak Debilou
17	Neural Network Balance Control of Hopping Robots in Flight Phase under Unknown Dynamics....94	PID3671933	Hicham Chaoui,Suruz Miah,Mohamed Redouane Kafi,Bekhada Hamane
18	Ear recognition based on Multi- bags-of-features histogram99	PID3672403	Bourouba Houcine,Doghmane Hakim,Boukrouche.A
19	Kernel Methods to detect Intruders....105	PID3672427	Rachid Beghdad,Youcef Ziraoui,Nassim Kouache
20	Analysis of thermal and electrical performance of a solar PV / T air collector: Energetic study for two configurations....111	PID3672523	M. El-A. Slimani,M. Amirat,S. Bahria
21	Numerical Study of Microdrops sorting by Microfluidic Device117	PID3672745	Chekifi Tawfiq,Dennai Brahim,Khelfaoui Rachid
22	Design and Investigation of Fuzzy-PI and RST Controllers for a High Performance Matrix Converter Using Venturini Modulation Strategy Under Distorted Grid Voltage....122	PID3673427	B. Hamane,M. L. Doumbia,H. Chaoui,A. Cheriti,M. Bouhamida,M. Benghanem
23	Face Recognition using 1DLBP, DWT and SVM128	PID3673741	Amir Benzaoui,Abdelhane Boukrouche,Hakim Doghmane,Houcine Bourouba
24	Improvements of the Combustion Characteristics by the Hydrogen Enrichment....134	PID3673789	Fethi Bouars,Mohamed El Hadi Attia,Fouad Khaldi
25	Fractional order direct current control algorithm for three-phase grid-connected PV system....139	PID3674339	H. Afghoul,F. Krim,D. Chikouche,A. Beddar
26	Fuzzy identification and control of a piezoelectric actuator145	PID3674771	Aissa Rebai,Kamel Guesmi,Boualem Hemici
27	Improvement of a photovoltaic pumping system for irrigation of greenhouses: Case study for Laghouat, Algeria....151	PID3674893	Ameur Khaled,Hadjaissa Boubakeur,Najib Essounbouli,Salah Med Ait Cheikh,Ali Cheknane

28	Super Twisting Sliding Mode Control Of an Electric Vehicle158	PID3675085	Hassan Benariba,Abdelmadjid Boumediene
29	Pre-feasibility study of the hybridization of diesel plants in southern Algerian....164	PID3675205	Boubenia Ahmed,Mohammedi Kamal
30	Sliding mode Control for a Small Coaxial rotorcraft UAV168	PID3675413	M.Rida Mokhtari,Brahim Cherki
31	Arbitrary Shaped Antenna Design for TE2300/LTE2500/WLAN Applications....174	PID3676765	M. Moulay,M. Abri,H. Abri Badaoui
32	Thermal Analysis of The Alsat-1 Satellite Battery Pack Sub Assembly into the Honeycomb Panel....178	PID3677085	A. Boudjemai,R. Hocine,M.N. Sweeting
33	Numerical Solution of NEPCM Melting inside Spherical Enclosure....184	PID3677209	M. Bechiri,K. Mansouri,N. Hamlet,S. Amirat
34	Non Linear Control of a Doubly Fed Induction Generator in Wind Turbines....188	PID3677231	M. Doumi,A.G. Aissaoui,A. Tahour,M. Abid,K. Tahir
35	Network Selection Using Game Theory194	PID3677611	Bendaoud Fayssal,Marwen Abdennebi,Fedoua Didi
36	Actuators Fault Detection Using Unknown Input Observer in Hydraulic System....200	PID3677619	Souad Tahraoui,Abderrahmane Bellaouar,Abdelmadjid Meghabbar,Djamila Boubekeur
37	PI and Sliding Mode Controllers In Fault Tolerant PMSM Drive206	PID3677621	B.Bendjedia,M.Aissani,F.Bouchafaa,K.Aliouane
38	Energy analyses of a house Heated by Radiators Low Temperature connected with Solar Storage Tank....212	PID3677717	I. Zeghib,A.Chaker,D.Belkharouchche
39	High Order Sliding Mode Observer Based Extremum Seeking Controller for a Continuous Stirred Tank Bioreactor....218	PID3677793	Daaou Bachir,Denis Dochain
40	Matrix converter prototype for motor drive224	PID3677859	Brahim Metidji,Lotfi Baghli
41	Fuzzy Controller Parameters Optimization by Using Genetic Algorithm for the control of inverted pendulum....230	PID3678041	Khayreddine Saidi,Mourad Allad
42	State Constrained predictive control of Cart with Inverted Pendulum....236	PID3678053	El Khansa Bdirina,Mohamed Seghir Boucherit,Ramdane Hadjar,Madni Zineb
43	Fuzzy Direct Torque Control of Induction Motor with Sensorless Speed Control Using Parameters Machine Estimation....242	PID3679529	Yesma Bendaha,Mazari Benyounes
44	Toward Safety Navigation in Cluttered Dynamic Environment: A Robot Neural-Based Hybrid Autonomous Navigation and Obstacle Avoidance with Moving Target Tracking....248	PID3679733	Nacer Hacene,Boubekeur Mendil
45	QoS evaluation in VoIP software with and without Blowfish encryption module....254	PID3680947	Khelf Mohamed,Ouslim Mohamed,Hamoudi.M,Masmoudi.M
46	A Novel Robust Automatic Generation Control in Interconnected Multi-Area Power System Based on Bat Inspired Algorithm....260	PID3681427	Nour El Yakine Kouba,Mohamed Mena,Mourad Hasni,Mohamed Boudour
47	Design of a Robust Observer-Based FDI Scheme For a Class of Switched Systems Subject to Sensor Faults....266	PID3681435	D. E. C. Belkhiat,S. E. A. Chouaba,H. Fourati,D. Jabri
48	Optimal Load Frequency Control Based on Artificial Bee Colony Optimization Applied to Single, Two and Multi-Area Interconnected Power Systems....272	PID3681447	Nour El Yakine Kouba,Mohamed Mena,Mourad Hasni,Mohamed Boudour
49	FPGA based Control of a PWM Inverter by the Third Harmonic Injection Technique for Maximizing DC Bus Utilization....278	PID3681501	Ahmed Belkheiri,Said Aoughellanet,Mohammed Belkheiri,Abdelhamid Rabhi
50	The influence the angles of delay and overlap in the rate of harmonic in HVDC....285	PID3681733	Mohammed Aminallah,Samir Hedjeri,Mohammed Messeguem
51	Contribution to the Implementation of Image Mosaicing Algorithm on FPGA using NIOS II Softcore....290	PID3681967	Lati Abdelhai,Irki Zohir,Sakhi Samir,Nemra Abdelkrim,Hamerlain Mustapha
52	Tomographic Image Reconstruction Using Filtered Back Projection (FBP) And Algebraic Reconstruction Technique (ART)295	PID3682077	Nabil Chetih,Zoubeida Messali
53	Experimental and theoretical study of a new synthesized Quinoline derivative as Greene inhibitor of corrosion for the cooling circuits in desalinated water....301	PID3682081	Daoud Djamel,Tahar Douadi,Hanane Hamani,Djillali Ghobrini,Kamal Aiboud
54	Monitoring System for Manufacturing Process Application to a Cardboard Factory....306	PID3682551	Tari Nouria,Sehri Larbi,Haffaf Hafid,Ould Bouamama Belkacem
55	2D-FDTD- UPML Simulation of Wave Propagation on Dispersive Media....312	PID3682623	N. Mehennoui,Az. Merzouki,D. Slimani
56	Induction motor cracked rotor bars fault analysis using an improved Root-MUSIC method....317	PID3682649	Ahmed Hamida Boudinar,Noureddine Benouzza,Azeddine Bendiabdellah
57	H-infinity controller design for Blood Glucose Regulation in Diabetes Patients in the Presence of Uncertain parameters323	PID3682665	Hachana Aicha,Abdelaziz Mourad

58	Simulation and Experimental Study of Induction Motor Broken Rotor Bars Fault Diagnosis using Stator Current Spectrogram329	PID3682851	Ameur Fethi Aimer,Ahmed Hamida Boudinar,Noureddine Benouzza,Azeddine Bendiabdellah
59	Modeling and experimentation of a 12kW Direct Driven PM Synchronous Generator of Wind Power....336	PID3683293	Ajithan Senthilkumar,Thomas Cermak,Stanislav Misak
60	Study and Implementation of indirect space vector modulation (ISVM) for direct matrix converter....341	PID3683315	A. Benachour,E.Berkouk,M.O.Mahmoudi
61	Fuzzy Quasi LPV Model for a cross flow heat exchanger347	PID3683417	S. E. A. Chouaba,D. E. C. Belkhiat,B. Sari,L.C. Felix-Herran
62	Multivariable control of a drum-type boiler system through LQG fuzzy emulation....353	PID3683609	Lamraoui Oualid,Habbi Hacene
63	Modeling and Direct Power Control for a DFIG Under Wind Speed Variation....359	PID3683619	Mourad Loucif,Abdelmadjid Boumediene
64	A no reference Perceptual blur quality metric in the DCT domain....365	PID3683671	Kerouh Fatma,Amina Serir
65	Facial skin motion localization in a video sequence371	PID3683785	Noureddine Cherabit,Amar Djeradi,Fatma Zohra Chelali
66	Speed-Sensorless Direct Torque and Flux Control of PMSM Based on Extended Kalman Filter Using Space Vector Modulation....377	PID3683863	K. Kendouci,B. Mazari,M.R.Benhadria,R.Dadi
67	Sliding Mode Control And Optimal GPC Algorithm for Coupled Tanks....382	PID3684049	B.Nail,B.Bekhiti,K.Bdirina,A.Kouzou, A.Hafaifa
68	A New Decomposition Strategy Approach Applied for Web Winding System Control Optimization....388	PID3684067	M. Z. Doghmane, M. Kidouche, H. Habbi
69	Investigation of solar air collector with offset strip fin absorber plate for drying agricultural products under different climates of Algeria....394	PID3684471	Benseddik. A, A. Azzi, A.K. Allaf, R.Khanniche
70	Trajectory generation for a fixed-wing UAV by the potential field method....400	PID3684501	Amar Benghezal, Rabah Louali, Taha Chettibi
71	Computer Aided Design and Multiple Coupled Circuit Modelling of BDFM....406	PID3685703	Saad Chaouch, Bachir Abdelhadi, Azeddine Benoudjit
72	Channels design and dimensions Effect on performance of proton exchange membrane fuel cell (PEMFC)412	PID3685735	Youcef Kerkoub, Ahmed Benzaoui, Yasmina Ziari, Fadila Haddad, Allal Babbou
73	An Improved MOBIL Descriptor for Markerless Augmented Reality....418	PID3685777	Abdelkader Bellarbi, Nadia Zenati-Henda, Hayet Belghit, Mahfoud Hamidia
74	On Evaluating the Scalability Aspect of Gait-Based Biometric Systems for Larger Population....423	PID3685841	Imed Bouchrika, Mouhamadou Gaye, Ousmane Sall, Mouhamadou Thiam, Moussa Lo
75	Sliding Mode Observers for T-S Fuzzy Systems with Application to Sensor Fault Estimation....429	PID3685855	F.A. Haouari, M. Djemai, B. Cherki
76	Decoupled Sliding Mode with Type 2 Fuzzy-Neural Network Controller for Multi-machine Power Systems....434	PID3685883	A.Abbadi, F. Hamidia, L. Nezli, D. Boukhetala
77	Ultrasonic non-destructive characterization of trabecular bone: Experimental and theoretical prediction of the ultrasonic attenuation....440	PID3685959	Abderrazek Bennamane, Boutkedjirt Tarek
78	State Space Modeling and Performance Analysis of Self-Excited Induction Generators for Wind Simulation....446	PID3686103	Allal.M Bouzid, Ahmed Cheriti, Pierre Sicard, Mohamed Bouhamida, Mustapha Benganem
79	Direct Powers Control of DFIG Through Direct Converter and Sliding Mode Control For WECS....452	PID3686483	Boumassata Abderraouf, Djallel Kerdoun
80	Calibration and Validation of a Switched Linear Macroscopic Traffic Model....457	PID3686871	A. Zeroual, N. Messai, S. Kechida, F. Hamdi
81	Intrusion Detection and Classification Using Optical Fiber Vibration Sensor....462	PID3686961	Hadj Ali.T, Medjadba. H, Simohamed L. M, Chemali. R
82	A Maximum Power Point Tracker based on Particle Swarm Optimization for PV-Battery Energy System under Partial Shading Conditions....468	PID3687019	Mostefa Kermadi, El Madjid Berkouk
83	Experimental Evaluation of Induction Motor Robust Control Using Sliding Mode Linearization Technique....474	PID3687119	Hadda Benderradji, Larbi Chrfi-Alaoui, Said Drid, Abdessalam Makouf
84	Particle Swarm Optimization Based Reactive Power Planning for Line Stability Improvement....480	PID3687127	Y.Amrane, M.Boudour, A. A.Ladjici
85	FPGA implementation of high gain observer for induction machine using Simulink HDL Coder....486	PID3687163	Moez Besbes, Salim Hadj Said, Faouzi M'sahli
86	Secure data transmission scheme based on fractional-order discrete chaotic system....492	PID3688055	Hamid Hamiche, Sarah Kassim, Said Djennoune, Said Guermah, Mourad Lahdir, Maamar Bettayeb
87	Polarimetric SAR images clustering with Gaussian Mixtures Model....498	PID3688125	Boussad Azmedroub, Mounira Ouarzeddine
88	impulsive differential inclusions on unbounded domain503	PID3688519	Samia Youcefi, Abdelghani Ouahab
89	Time-Dependant Trajectory Generation for Tele-operated Mobile Manipulator....510	PID3688537	Akli Isma, Bouzouia Brahim

90	Wiener System Identification using Polynomial Non Linear State Space Model....515	PID3688559	Sersour Lamia, Tounsia Djamah, Karima Hammar, Maamar Bettayeb
91	A Linguistic Perspective to Develop Graphical User Interfaces520	PID3688633	Iyad Khaddam, Nesrine Mezhoudi, Jean Vanderdonckt
92	Towards a Linguistic Modeling of Graphical User Interfaces: Eliciting Modeling Requirements....528	PID3688637	Iyad Khaddam, Nesrine Mezhoudi, Jean Vanderdonckt
93	Gaussian Mixture Modeling for Indoor Positioning WIFI Systems....535	PID3689421	M. Alfakih, M. Keche, H. Benoudnine
94	Fuzzy adaptive synchronization of a class of fractional-order chaotic systems....540	PID3689423	A. Bouzeriba, A. Boulkroune, T. Bouden
95	Energetic Macroscopic Representation (EMR) based on Internal Model Control (IMC) for Fuel Cell and Supercapacitor Hybrid Electric Vehicles....546	PID3689439	A. Badji, H. Djoudi, N.Benyahia, H. Denoun, M. Zaouia, N. Benamrouche
96	Extended Web Services for Remote Collaborative Manipulation in Distributed Augmented Reality....552	PID3689561	Samir Benbelkacem, Nadia Zenati-Henda, Hayet Belghit, Abdelkader Bellarbi, Samir Otmane
97	3D Finite Element Analyses and Design Optimization of AFPM for Flywheel Energy Storage System....557	PID3689713	M. Bendib, K. Belhouchat, M. Hachemi
98	Chaotic Convective Behavior and Stability Analysis of a Fractional Viscoelastic Fluids Model in Porous Media....563	PID3689855	Ibrahima Ndoye, Taous-Meriem Laleg-Kirati
99	Comparative Survey of Association Rule Mining Algorithms based on Multiple-criteria Decision Analysis approach....569	PID3690173	Ait-Mlouk Addi, Agouti Tarik, Gharnati Fatima
100	An optimal iterative algorithm to solve Cauchy problem for Laplace equation....575	PID3690177	Muhammad Usman Majeed, Taous Meriem Laleg-Kirati
101	LMI Conditions for Non-Quadratic Stabilization of T-S Models with Pole Placement Assignment....581	PID3690213	Abdelmadjid Cherifi, Kevin Guelton, Laurent Arcese
102	Experimental validation of a fault tolerant control of induction motor using a voting algorithm....587	PID3690239	Abdelmadjid Gouichiche, Mohamed Zabar, Zakaria Chedjara, Ahmed Safa, Mohamed Tadjine
103	Voltage control of DC-DC Buck Converter using Second Order Sliding Mode Control....593	PID3690607	Hamza Sahraoui, Said Drid, Larbi Chrifi-Alaoui, Mohammed Hamzaoui
104	Fire safety DSL based algebra598	PID3691127	Houda Chanti, Laurent Thiry, Michel Hassenforder, Elizabeth Blanchard, Philippe Fromy
105	Tracking PDC controller for CSTR....604	PID3691249	Mohamed Hazerchi, Rachid Illoul
106	An experimental study of low concentration on monocrystalline solar cells....609	PID3691291	Habireche Abderrahmane, Saidi Nacer, Boukhelifa Akkila, Talha Abdelaziz, Boumaaraf Houria
107	Structured H^∞ Design Method of PI controller for Grid Feeding Connected Voltage Source Inverter....614	PID3691389	Allal .M Bouzida, P. Sicardb, A. Cheritic, M. Bouhamidad, M. Benghaneme
108	Students' Portal Architecture based on SOA620	PID3691391	Rami A. Y. Raba, Mohammed M. I. Awad
109	Importance of Eyes and Eyebrows for Face Recognition System624	PID3691437	Nadjet Radji, Dalila Cherifi, Arab Azrar
110	Control information and analyzing of metering gas system based of orifice plate....630	PID3691547	A. Harrouz, A. Benatiallah, O. Harrouz
111	Multi Phases Stator Short-Circuits Faults Diagnosis & Classification In DFIG Using Wavelet & Fuzzy Based Technique634	PID3692263	Samia Bourdim, Kamel-Eddine Hemsas, Youcef Harbouche, Toufik Azib
112	New approach of stability switched nonlinear system640	PID3692331	Faical Hamidi, Mohamed Naceur Abdelkrim, Woihiba Aggoune
113	An Adaptive Backstepping Controller of Doubly-Fed Induction Generators....645	PID3692599	Aounallah Tarek, Hamzaoui Abdelaziz, Essounbouli Najib, Bouchafaa Farid
114	Image-based path following for nonholonomic mobile robot651	PID3692727	Abdellah Khelloufi, Noureddine Ouadah, A.Oualid, Nouara Achour
115	Sliding Mode Controller for Breathing Subsystem on a PEM Fuel Cell System....657	PID3692797	Z. Baroud, M. Benmiloud, A. Benalia
116	ASE analysis Adaptive Pilot Symbol Assisted Modulation with imperfect CSI....663	PID3693115	Assia Hamidane, Daoud Berkani, Abderrahmane Anou
117	Stabilization of Inertia Wheel Inverted Pendulum by Model Reference Adaptive IDA-PBC : From simulation to real-time experiments....668	PID3693227	N.Khraief Haddad, A.Chemori, J. J. Pena, S.Belghith
118	Filtered-based Expectation–Maximization Algorithm for Emission Computed Tomography (ECT) Image Reconstruction674	PID3693269	Abdelwahhab Boudjelal, Boudjelal, Bilal Attallah, Zoubeida Messali
119	Vibration-Based Bearing Fault Diagnosis by an Integrated DWT-FFT Approach and an Adaptive Neuro-Fuzzy Inference System679	PID3693397	Issam Attoui, Nadir Boutasseta, Nadir Fergani, Brahim Oudjani, Adel Deliou
120	A New Thinning Algorithm for Binary Images685	PID3693417	Lynda Ben Boudaoud, Abderrahmane Sider, Abdelkamel Tari
121	PAPR reduction in SFBC-MIMO-MC-CDMA systems using Method of Attenuation Complex Chips....691	PID3693529	Hocine Merah, Djamel Slimani, Mohammed F. Alsharekh

122	Framework for VOIP speech database generation and a comparison of different features extraction methods for speaker identification on VOIP....696	PID3693583	El-Taani Imen, Amrous Anissa Imen, Mohamed Debyeche
123	A Simple Small Size Disk Microstrip Patch Antenna with a Rectangular Aperture for Ultra Wide Band Application....701	PID3693605	Tahar Bougoutaia, Djamel Khedrouche, Abdesselam Hocini
124	Robust Multimodal Biometric Identification System Using Finger-Knuckle-Print features....705	PID3693677	Abdallah Meraoumia, Salim Chitroub, Ahmed Bouridane
125	A new artificial bee colony algorithm for numerical optimization....711	PID3693689	Oussama Ait Sahed, Kamel Kara, Abousoufyane, Mohamed Laid Hadjili
126	Stable indirect adaptive HONN control for a class of non affine SISO nonlinear systems....717	PID3693743	Zerari Nassira, Chemachema Mohamed
127	Asymptotic relationship between trajectories of nominal and uncertain nonlinear systems on time scales....723	PID3693761	Fatima Zohra Taousser, Michael Defoort, Boudekhal Chafi, Mohamed Djemai
128	Development of Road Traffic Flow Model for Nighttime Conditions....729	PID3693827	Asmaa Ouessai, Mokhtar Keche
129	Genetic Algorithm Based Adaptive Fuzzy Terminal Synergetic DC-DC Converter Control....735	PID3693895	Y. Nettari, M.N.Harmas
130	Backstepping Approach for Nonlinear Super Twisting Sliding Mode Control of an Induction Motor....742	PID3693901	Mohamed Horch, Abdelmadjid Boumediene, Lotfi Baghli
131	Output feedback based sliding mode control of active suspension using backstepping....748	PID3694505	J. J. Rath, K. C. Veluvolu, M. Defoort
132	Prediction Global Solar Radiation and Modeling Photovoltaic Module Based on Artificial Neural Networks....754	PID3694523	Miloudi Lalia, Dalila Acheli
133	A low overhead routing protocol for Ad hoc networks760	PID3694527	Bambrik Ilyas, Didi Fedoua
134	Information Retrieval: A New Multilingual Stemmer Based on a Statistical Approach....766	PID3694615	Gadri Said, Abdelouahab Moussaoui
135	On the Use of the Unified Chaotic System in the Field of Secure Communication....772	PID3694847	Sonia Hammami, Mohamed Djemai, Krishna Busawon
136	Modeling and generation of seismic ground motion for active control in civil engineering....778	PID3694875	Fethi Azizou, Lakhdar Guenfaf
137	Homogenous and secure weighted clustering algorithm for mobile wireless sensor networks....784	PID3694893	Amine Dahane, Nasr-Eddine Berrached, Abdelhamid Loukil
138	Sign Language Recognition Using PCA, Wavelet and Neural Network....790	PID3694911	Khadidja SADEDDINE, Fatma Zohra CHELALI, Rachida DJERADI
139	Stochastic stability and observer design for the lac operon model....796	PID3695103	Asma Ahmed Ben Halim, Krishna Busawon, Maia Angelova
140	Ultrasonic Signals Parameters Estimation Based on Differential Evolution....802	PID3695179	Yacef Nabil, Bouden Toufik, Grimes Morad
141	Communication Satellite Link Budget Optimization Using Gravitational Search Algorithm....807	PID3695183	S.Berrezzoug, F.T.Bendimerad, A. Boudjemai
142	Fabrication of ZnO thin film based humidity sensor with fast response by sol-gel associated to spin coating method....814	PID3695293	Salah Ghanem, A.Telia, C.Boukaous
143	Bifurcation Analysis and Chaos in a simplest Fractional-order Electrical Circuit....818	PID3695325	Abdelouahab Mohammed Salah, Rene Lozi
144	Elliptic Curve Cryptographic Processor Design using FPGAs823	PID3695455	Haichour Amina Selma, Hamadouche M'hamed
145	Radial Basis Function Neural Network-based Adaptive Control of Uncertain Nonlinear Systems....829	PID3695461	Hamou Ait Abbas , Boubakeur Zegnini, Mohammed Belkheiri, Abdelhamid Rabhi
146	Smart Diagnosis Algorithm of the Open-Circuit Fault in a Photovoltaic Generator....835	PID3695741	Wail Rezgui, Nadia Kinza Mouss, Leila-Hayet Mouss, Mohamed Djamel Mouss, Yassine Amirat, Mohamed Benbouzid
147	Speech enhancement using backward adaptive filtering algorithm : Variable step-sizes approaches....840	PID3695763	Redha Bendoumia, Mohamed Djendi
148	Dynamic Model Prediction Control for an Activated Sludge Model based on a T-S Multi-Model....845	PID3695829	Matoug Lamia, Khadir M.Tarek
149	Detection of High Impedance Faults in Electrical Power Network....851	PID3695835	Sihem Aliouat, Wafia Korzet, Azzedine Nacer, Kamel Boudjit, Houcine Moulai
150	Sliding Mode Control Of A Multi Source Renewable Power System....857	PID3695861	Tareq Alnejaili, Said Drid, Driss Mehdi, Larbi Chrifi-Alaoui, Hamza Sahraoui
151	Measuring inconsistencies on ontology change estimate based on cooperative game and Shannon entropy....863	PID3695917	Mamadou Bousso, Mouhamadou Gaye, Ousmane Sail, Mouchamadou Thiam, Mousaa Lo
152	Mass Segmentation in Mammograms For Computer- Aided Diagnosis Of Breast Cancer....870	PID3695953	Hadjidj Ismahan, Feroui Amel, Bessaid Abdelhafid
153	Iterative Learning Control for Nonlinear Systems subject to both Structured and Unstructured Uncertainties....875	PID3697371	Hocine Benslimane, Boulkroune Abdesselem, Chekireb Hachemi

154	On Secure Image Transmission Combining Chaotic Encryption and Watermarking Using Dead Beat Synchronisation of 4D Henon Maps....881	PID3697437	Narjes Khalifa, Rania Linda Filali, Mohamed Benrejeb
155	Effects of geometric parameters and limits of application of microelectronic capacitive pressure sensors....885	PID3697481	S.Bouguima, N. Benmoussa
156	Development of MPC Algorithm for quasi Z-Source Inverter (qZSI)....891	PID3697507	Abualkasim Bakeer, Mohamed A. Ismeil, A. K Ouzou, Mohamed Orabi
157	A maintenance optimization model for a second hand stochastically deteriorating system under different operating environments....897	PID3697615	I. Sidibe, A. Khatab, D. Claver, D. Ait-Kadi
158	Parameter identification of photovoltaic cell/module using genetic algorithm (GA) and particle swarm optimization (PSO)902	PID3697701	Ali Dali, Abderrezak Bouharchouche, Said Diaf
159	An Evaluation of Conventional and Computational Intelligence Methods for Medium and Long-Term Load Forecasting in Algeria....908	PID3698203	Abderrezak Laouafi, Mourad Mordjaoui, Farida Laouafi
160	Fuzzy Logic based Sensorless MPPT Algorithm for Wind Turbine System Driven DFIG....914	PID3698223	Abdelhak Dida, Djilani Benattous
161	Modeling and Control of DFIG via Back-to-Back Multi-level Converters using Fuzzy Logic Controller....920	PID3698243	Abdelhak Dida, Djilani Benattous
162	Facial age estimation and gender classification using Multi Level Local Phase Quantization....926	PID3698279	Salah Eddine Bekhouche, Abdelkrim Ouafi, Azeddine Benlamoudi, Abdelmalik Taleb-Ahmed
163	Simple control scheme for a class of underactuated mechanical system with tree structure....930	PID3698431	Amal Choukchou-Braham, Brahim Cherki
164	Observability Analysis of Multicellular Converters: Hybrid Approach....935	PID3698477	N. Gazzam, A. Benalia
165	Series Resonant Inverter Power Prediction and Coil Design for Metal Surface Hardening....940	PID3698637	A.Attab, H. Zeroug, B. Meziane
166	Face Spoofing Detection using local binary patterns and fisher score....946	PID3698839	Azeddine Benlamoudi, Djamel Samai, Abdelkrim Ouafi, Salah Eddine Bekhouche, Abdelmalik Taleb-Ahmed
167	A Doubly Fed Induction Generator Wind Turbine and Fuel Cell Hybrid Power Sources System for Micro-grid Applications951	PID3698911	Tamalouzt .S, Benyahia.N, Rekioua.T, Abdessemed. R
168	Simple Sliding Mode Applied to the Three-Level Boost Converter for Fuel Cell Applications....957	PID3698961	M.D. Bougrine, A. Benalia, M.H. Benbouzid
169	Content-Based Image Retrieval in the Topic Space using SOM and LDA....963	PID3698965	Marouane Ben Haj Ayeche, Hamid Amiri
170	Predator-Prey Coevolution in a Physically Simulated Environment....969	PID3698975	Nesrine Ouannes, Noureddine Djedi, Yves Duthen, Herve Luga
171	Outliers' Effect Reduction of One-Class Neural Networks Classifier....975	PID3699139	Bilal Hadjadji, Youcef Chibani
172	Building diphone database for Arabic text to speech synthesis system....980	PID3699213	Aymen El Kadhi, Fadhila Gherri, Hamid Amiri
173	Recommendation system for sports articles based on Arabic opinions polarity detection with a hybrid approach RSS-SVM985	PID3700173	Amel Ziani, Nabihia Azizi,
174	Output observer for chaos synchronisation applications....990	PID3700263	P. Canyelles Pericas, R. Binns, K. Busawon
175	Block-Based Distributed Video Coding Without Channel Codes996	PID3700441	Benaissa Manel
176	Adaptive Control for the Methane Flow Rate in Biogas Plants1001	PID3700461	Khadidja Chaib Draa, Holger Voos, Marouane Alma, Mohamed Darouach
177	Modeling and control of a Five Level inverter used with renewable energy sources....1007	PID3700769	Bentouba Said, Ouledali Omar, Pere Roca Cabarrocas, Bourouis Mahmoud
178	Robust Stability Analysis and Topological Dynamics of a Nonminimum Phase Supersonic Tactical Missile....1012	PID3700965	Belkacem Kada
179	Diagnostic of the Simultaneous of Dynamic Eccentricity and Broken Rotor Bars Using the Magnetic Field Spectrum of the air-gap for an Induction Machine....1018	PID3701123	Seghiour Abdellatif, Seghier Tahar, Zegnini Boubakeur
180	Nose Tip Localization on a Three Dimensional Face across Pose, Expressions and Occlusions Variations in a Riemannian Context1024	PID3701131	Samia Bentaieb, Abdelaziz Ouamri, Mokhtar Keche
181	Fuzzy approximation-based Adaptive Sliding-Mode Control scheme for Underactuated Systems....1029	PID3701423	Soumia Moussaoui, Abdesselem Boulkroune
182	A Multiobjective Integer Differential Evolution Approach for Computer Aided Drug Design....1035	PID3701425	Abla Mahdadi, Souham Meshoul

183	Function Vector Synchronization Based On Fuzzy Control For Uncertain Chaotic Systems With Dead-Zone Nonlinearities1041	PID3701427	Sarah Hamel, Abdesselem Boulkroune
184	An Autonomous Hybrid Navigation Filter Using Earth Magnetic Field Measurements for Low Earth Orbit Satellite....1047	PID3701795	A. Bellar, M. A. Si Mohammed
185	An adaptive fuzzy PI control for a class of unknown nonaffine systems....1053	PID3703291	Nidhal Cherrat, Hamid Boubertakh
186	Semi-analytical Modeling and Optimization of a SiGe Thin-film Solar Cell Including Multi-trench Region....1058	PID3703435	H. Ferhati, F. Djeffal, H. Bencherif, M. Meguellati
187	Comparison between Fuzzy, Neural and Neuro-Fuzzy Controllers for Mobile Robot Path Tracking....1062	PID3704005	Cherroun Lakhmissi
188	Performance evaluation of a Flexible Manufacturing System using two formal methods....1068	PID3704009	Liza Mameri, Redouane Kara, Said Amari
189	An LMI Approach to Robust H_{∞} Control and Stabilization Analysis for Uncertain T-S Fuzzy Systems with State and Input Time-Delays....1074	PID3704283	Bourahala Fayçal, Nafir Noureddine
190	Control of three-level NPC inverter based grid connected PV system....1080	PID3704357	A. Zorig , M. Belkheiri, S. Barkat, A. Rabhi
191	Benefits of HVDC for Reducing the Risk of Cascading Outages and Large Blackouts in AC/DC Hybrid Grid....1086	PID3704465	M. Benaslaa, T. Allaoui, M. Brahamic, A. Boudalia
192	Investigations on the flexibility of a Group Sequence and its effect on the Best-Case Schedule....1092	PID3704501	Zakaria Yahouni, Nasser Mebarki, Zaki Sari
193	A Rule-Based Harmony Search Simulation-Optimization Approach for Intelligent Control of a Robotic Assembly cell1097	PID3704513	Mihoubi. B, Gaham. M, Bouzouia. B, Bekrar. A
194	Modified Block Replacement with Used Items at Scheduled Periods and at Failures....1103	PID3705173	Mohamed-Larbi Rebaiaia, Daoud Ait-Kadi, Samira Abbasgholizadeh Rahimi, Afshin Jamshidi
195	Stabilizing control based observer for a remotely operated vehicle (ROV-Observer)....1108	PID3706191	Adel Khadhraoui, Lotfi Beji, Samir Otmame, Azgal Abichou
196	A combination of reliability calculus and Importance Measures for Probability Risk analysis....1115	PID3706397	Mohamed-Larbi Rebaiaia, Daoud Ait-Kadi, Afshin Jamshidi, Samira Abbasgholizadeh Rahimi
197	Simultaneous Estimation of the State and the Unknown Inputs for a Class of Switched Linear Systems....1121	PID3706447	K. Laboudi, N. Messai, N. Manamanni
198	Observer-Based Practical Control Technique for Multicell Converters....1127	PID3706663	Djekidel Kamri
199	Prioritization of Health Service Failures; A novel Cost-based framework....1134	PID3708089	Samira Abbasgholizadeh Rahimi, Afshin Jamshidi, Daoud Ait-Kadi, Mohamed Larbi Rebaiaia
200	Direct Power Control Modeling with Optimized LCL filter for Grid Integrated Renewables....1140	PID3708909	Mohamed Amine Djema, Mohamed Boudour, Ahmed Amine Ladjici
201	Design of Mobile robot teleoperation system based on Virtual reality....1146	PID3709499	Mostefa Masmoudi, L. Kaddour El Boudadi, A. Loukil, Khelf. Mohamed, Dahane Amine
202	Fuzzy Adaptive Backstepping Sliding Mode Control of the Cart-Pendulum System....1152	PID3710909	Behih Khalissa, Zehar Djamila, Benmahammed Khier, Abdelmalik Taleb Ahmed
203	Bottomhole pressure stabilizing observer-based controller in tunnel drilling system....1158	PID3711005	Naim Zoghalmi, Khouloud Latrach, Lotfi Beji
204	Flatness and sliding mode based controller of Fuel Cell and Supercapacitors Hybrid Source....1164	PID3711145	Kraa Okba, Ramzi Saadi, Mohamed Becherif, Mohamed Yacine Ayad
205	Risk Assessment in ERP projects using an integrated method1170	PID3711151	Afshin Jamshidi, Samira Abbasgholizadeh Rahimi, Daoud Ait-Kadi, Mohamed Larbi Rebaiaia
206	Neural network monitoring system used for the frequency vibration prediction in gas turbine....1175	PID3711565	Mohamed Ben Rahmoune, Ahmed Hafaifa, Mouloud Guemana
207	An evolutionary Cellular Automaton for Minimizing Energy Consumption in Network on Chip-based Soft real-time embedded systems....1180	PID3711937	Djalila Belkebir, Fateh Boutekkouk
208	An Effective Method for Bearing Faults diagnosis1187	PID3712559	A. Boudiaf, S. Bouhouche, A.K. Moussaoui, T. Samira
209	On the Optimization of the Average Number of Additions in the RADIX-2r Recoding Heuristic....1193	PID3718943	Belkacem Khiter, Abdelkrim Kamel Oudjida, Mahmoud Belhocine
210	PI observer gain optimization for fault detection with disturbance attenuation....1197	PID3731267	Lamine Mohamadi, Xuewu Dai, Krishna Busawon, Mohamed Djemai
211	Quadrotor control using Generalized Dynamic Inversion and Terminal Sliding Mode....1203	PID3743433	Uzair Ansari, Abdulrahman H. Bajodah
212	Fuzzy logic and Selectivity controller for the paralleling of four leg shunt active power filters based on Three Dimensional Space Vector Modulation....1209	PID3743567	Ali Chebabhi, Mohammed-Karim Fellah, Abdelhalim Kessal, Mohamed Fouad Benkhoris