

2009 IEEE SYMPOSIUM IN INDUSTRIAL ELECTRONICS AND APPLICATIONS (ISIEA2009) : LIST OF ACCEPTED PAPERS

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2	1569223277	A Robust Delineation Approach of Electrocardiographic P Waves
3	1569223073	A SuFET Based Transducer as a Bases for a Sixth and Further Feeling
4	1569223567	An Efficient Medical Image Fusion Method Using Contourlet Transform Based on PCM
5	1569223141	Analytical Solution for Anthropomorphic Limbs Model (IK of Human Arm)
6	1569223295	Automated Control of Micromanipulators – A Tool for BioMEMS Based Cell Culture
7	1569223069	Cancellation of Artifacts in ECG Signals using Sign based Normalized Adaptive Filtering Technique
8	1569223071	Choice for a Support Vector Machine Kernel Function for Recognizing Asphyxia from Infant Cries
9	1569223343	Classification of EEG Signals Using Principal Component Analysis and Support Vector Machine
10	1569222491	Comparative Analysis of Preprocessing Techniques for Quantification of Heart Rate Variability
11	1569223219	Comparison of Different Wavelet Transforms based Human Emotion Recognition using EEG Signals
12	1569223299	Continuous Versus Discrete Wavelet Transform: A Performance Review for mu-Based Brain Computer Interface Application
13	1569222315	Contrast Enhancement for Ziehl-Neelsen Tissue Slide Images using Linear Stretching and Histogram Equalization Technique
14	1569223441	Detecting Simulated Sprained Ankle Plantar Pressure Pattern Using Artificial Neural Network
15	1569217975	Development of Malaysian Alzheimer Patients Web Database Linked to MyREN
16	1569223081	Development of Transduction Circuit for Piezoresistive MEMS Sensor for Biosensing
17	1569221147	ECG Beat Recognition Using Neural Networks And A Fuzzy Combination Of Wavelet Transforms Mid AR Model Coefficients
18	1569220537	Energy Efficient Face Recognition Using Row, Column Feature Vectors of Slant Transform and A Performance Comparison with PCA
19	1569222971	Formula for Prediction on Susceptibility of Alzheimer's Disease based on Biomarkers and Its Associated Risk Factors
20	1569223225	Grafting and Characterization of Poly(ethylene glycol) mono methyl ether on Poly(methacrylic acid-co-methyl methacrylate) via Direct Condensation Reaction
21	1569224083	Hand Shape and Hand Gesture Recognition
22	1569223251	Heartbeat Monitoring Alert via SMS
23	1569223355	Image Decomposition Based Ultrasound Image Segmentation by Using Fuzzy Clustering
24	1569223101	Impacts of Age and Gender on Arterial Hemodynamic Functions in Normal Subjects

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26	1569223178	Inductive Link Design for Medical Implants
27	1569221751	Investigation of Viscoelastic Properties of Human Liver Tissue Using MR Elastography and FE Modeling
28	1569223190	Mathematical Modeling of Inductive Link for Optimizing Efficiency
29	1569223274	Microvolt T-wave Alternans Analysis Using Lyapunov Exponents
30	1569223157	Microwave Absorption for UWB Body Tissue Propagation Loss Model
31	1569229059	Model-Based Retinal Vasculature Enhancement In Digital Fundus Image Using Independent Component Analysis
32	1569223513	Needle Insertion Forces For Haptic Feedback Device
33	1569220125	Neuro Fuzzy Tumor Detection and Classification for Brain Medical Image
34	1569223435	Perceptual Contour Detection for X-ray Images
35	1569222967	Prediction of Paroxysmal Atrial Fibrillation Using Spectrum and Bispectrum Features of Heart Rate Variability Signal
36	1569228583	Quantitative Assessment of Ulcers Volume Using 3D Surface Imaging
37	1569222877	Realization Assessment of Stabilizer with Pre-sonication on Size-distribution of Itraconazole Nanoparticulate in Wet-nanomilling
38	1569223161	The Design of Mini-Electrodes Bioimpedance Monitoring System for Cell
39	1569221109	Theoretical study of drug-DNA biopolymer interactions : 5-F-9-amino-[N-(2-dimethylamino)ethyl]acridine-4-carboxamide
40	1569221113	Theoretical study of drug-DNA interactions: Neothramycin B
41	1569217001	Towards Automatic Diagnosis of Liver Tumors from CT Images
Track 2 : Computer, Network & Communications		
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43	1569223387	A Design and Implementation of Timing and Frequency Synchronization for OFDM-based WLAN
44	1569221583	A Multiple Ant Colony System for Vehicle Routing Problem with Time Window
45	1569216975	A Neural Network Based Method for the Diagnosis of Ageing Insulators
46	1569223043	A New Adaptive Power Optimization Scheme for Target Tracking Wireless Sensor Networks
47	1569223041	A sensor-based infrastructure for the collection and wireless transmission of meteorological data via the AX.25 protocol
48	1569219621	A study of Aspect Oriented testing techniques

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51	1569211063	An Improved Event Selection Technique in a Modified PSO Algorithm to Solve Class Scheduling Problems
52	1569221829	An Improved Rank-based Genetic Algorithm with Limited Iterations for Grid Scheduling
53	1569221985	An Improved ZF-ML Decoder for Space-Time Block Codes over Time Selective Channels
54	1569223509	Analysis of Channel Time Allocations for MPEG-4 Video Transmission over UWB WPAN
55	1569223091	ANFIS for Static Security Assessment in Pool and Bilateral Trading
56	1569223159	Application and Evaluation of High Power Zigbee Based Wireless Sensor Network in Water Irrigation Control Monitoring System
57	1569223053	Application of Artificial Neural Network in Detection of Probing Attacks
58	1569223671	Automated Marking System for Short Answer Examination (AMS-SAE)
59	1569223105	Collaborative Mesh Networking for Low Cost Wireless Coverage in Rural Areas
60	1569222893	Combined Switched Beamforming and Cell-Site Diversity for Rain Fading Mitigation in LMDS Networks
61	1569222105	Comparison of Models for Wind Speed Forecasting
62	1569221993	Conventional ARX and Artificial Neural Networks ARX Model for Prediction of Oil Consumption in Malaysia
63	1569223481	CRC Extension Header (CEH): A New Model to Handle Transmission Error for IPv6 Packets over Fiber Optic Links
64	1569217937	Cross-Layer Optimisation for Multi-Class VSG CDMA in Rayleigh Fading
65	1569221129	Developing Converged Application using Open Source Software
66	1569222465	Direct Conversion RF Receiver Design and Sensitivity Analysis for WLAN Point to Point Communication at 5.8 GHz Band
67	1569223581	Dynamic-KNN: A Novel Locating Method in WLAN Based on Angle of Arrival
68	1569219805	Energy-Efficient Clustering for Non-Uniformly Distributed Sensor Networks
69	1569223245	Enhanced Dynamic Bandwidth Allocation for upstream Ethernet PON
70	1569223133	Extending Security Token to Directly Issue Proxy Certificate on P-GRADE Portal
71	1569223401	FFTI : Free Form Technical Indicator
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76	1569222911	Immune-inspired Framework for securing Hybrid Mobile Ad hoc networks
77	1569223371	Implementation of a Complete GPS receiver on the C6713 DSP
78	1569221473	Improving Scalability for RFID Privacy Protection Using Parallelism
79	1569222287	Improving the Performance of IPv6 Packet Transmission over LAN
80	1569223393	Investigation of Computational Cost Model of MLP Parallel Batch Training Algorithm
81	1569223367	ITTW: T-Way Minimization Strategy Based on Intersection of Tuples
82	1569219903	Key Management Scheme for Application Layer Multicast
83	1569222489	LOCATE: A Hybrid Localization Scheme for Wireless Sensor Networks
84	1569223865	Modelling of Various Meteorological Effects on Leakage Current Level for Suspension Type of High Voltage Insulators Using HMLP Neural Network
85	1569223531	Multi-observers Instance-Based Learning Approach for Indoor Symbolic User Location Determination Using IEEE 802.11 Signals
86	1569224807	MultiPoint Relay Selection Using GA
87	1569221975	Performance Analysis of Detection Schemes in MIMO Spatially Correlated Channels
88	1569223668	Performance Analysis of Uplink MIMO MC-CDMA Systems with V-BLAST over Frequency Selective Rayleigh Fading Channel
89	1569222987	Performance Study of Large Block Forward Error Correction with Random Early Detection Queue Policy
90	1569222845	Personal Information Classification for Privacy Negotiation
91	1569221729	Presentation of a fast and effective algorithm to measure power of frequency spectrum for applications of Cognitive Radio
92	1569219063	Prophetia: Artificial Intelligence for TravelBox Technology
93	1569223437	pShop: Ensuring Online Presence of Small Shops
94	1569218761	Reliability of Recursive Concentrator Structure
95	1569219909	Research of software testing strategy based on baseline measurement model
96	1569218213	Research of the Efficiency Optimization of ALM
97	1569222107	Research on a New Billing Model for Mobile P2P Network
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100	1569216951	Short Term Load Forecasting using a Robust Novel Wilcoxon Neural Network
101	1569221725	SOA Based Mobile Application Software Test Framework
102	1569223093	Steady State Security Assessment in Deregulated Power System Using Machine Learning Techniques
103	1569222461	Storing DTD-Independent XML Data in Relational Database
104	1569223301	Study of Economic, Environmental and Social Factors in Sustainability Reports using Text Mining and Bayesian Analysis
105	1569223309	Study of Mixed Mode Scenarios with IEEE 802.11 Networks and Bluetooth Network
106	1569220723	The Improvement of Multipath Source Routing in MANET
107	1569221483	The Research into an Improved Algorithm of Telecommunication Inter-transactional Association Rules Based on Time Series of All Confidence
108	1569223339	Visualization of Flow Data Based on Clustering Technique for Identifying Network Anomalies
Track 3 : Electrical Machines & Drives		
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110	1569223021	Analytical Study of STATCOM Damping Effect Interaction PSS on Sub-Synchronous Resonance
111	1569222467	Anew Scheme Sensorless Control of BLDC Motor using phase locked loop and third harmonic back-EMF
112	1569218487	Assessment and Comparison of Conventional Motor Starters and Modern Power Electronic Drives for Induction Motor Starting Characteristics
113	1569223399	Decoupled Random modulation technique for an open-end winding induction motor based 3-level Inverter
114	1569223023	Design and Study of a Saturated DC Reactor Fault Current Limiter
115	1569223445	determining the traveling wave coefficients in power transformers using detailed model
116	1569221781	Development of Fuzzy Logic Controller on a Magnetic Bearing System
117	1569223019	Field Oriented Control of Permanent Magnet Synchronous Motor Using Predictive Space Vector Modulation
118	1569222977	Improving Damping of Micro-Turbine
119	1569223167	Induction Motor Vector Control with Switching Table
120	1569222477	Intelligent BLDC Motor Identifier Using Artificial Neural Network
121	1569223077	Lyapunov Function based Design of PMSM State Observer for Sensorless Control
122	1569223397	Magnetic Force Compensation Methods in Bearingless Induction Motor

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124	1569222907	Sliding Mode Observer based Direct Torque Control of a Brushless Doubly-Fed Reluctance Machine
125	1569223353	Switching loss characteristics of advanced DPWM methods using space vector clamping sequences
126	1569219585	Voltage Regulation of Switched Reluctance Generator Using Fuzzy Logic Controller
127	1569221403	Voltage Rise due to Inter-connection of Embedded Generators to Distribution Network on Weak Feeder
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130	1569223573	A Comparative study of 6T,8T and 9T decanano SRAM cell
131	1569222875	A Design of Embedded DMX512 Controller using FPGA and Xilinx
132	1569223463	A Mixed Generation Current Conveyor a novel Device Performing in all Generations
133	1569221791	A New 10 Transistor Full Adder Cell for High Speed and Low Power Delay Product Applications
134	1569221793	A New Dual Sleep Approach to Low Leakage and Area Efficient VLSI Design
135	1569223425	A novel Broad-Band LC VCO with Low phase noise In BiCMOS Technology
136	1569217306	A Novel Dual Processing Architecture for Implementation of Motion Estimation Unit of H.264 AVC on FPGA
137	1569220143	A Study of Device Performance on the Effects of Integrating Photodiode
138	1569222075	Achievable Bandwidth of a Quarter Wavelength Side-Coupled Ring Resonator
139	1569221615	An Improved DC I-V Characteristics Model for High Power SiC MESFETs Incorporating Self-heating Effect
140	1569223347	An Overview Of Microcode-based and FSM-based Programmable Memory Built-In Self Test (MBIST) Controller For Coupling Fault Detection
141	1569219677	Architecture of an Embedded Localization Processor for Underwater Vehicle Using FPGA
142	1569229763	Assessing Combinatorial Interaction Strategy for Reverse Engineering of Combinational Circuits
143	1569223477	CNFET Performance Analysis
144	1569223181	Design and Implementation of LMS Adaptive Filter on Altera Cyclone II FPGA for ANC
145	1569218017	Design of a Quaternary Based Analog-to- Digital Converter
146	1569223207	Design of an Integrated Demodulator for a 13.56 MHz RFID Reader

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148	1569222925	Efficient and Fast Analysis of Power Distribution Networks
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150	1569218923	FPGA Implementation of Mobile wimaxTransceiver Module Using VLSI Design Techniques
151	1569223286	FPGA Implementation of Real Time Acoustic Noise Suppression by Spectral Subtraction using Dynamic Moving Average Method
152	1569223153	FPGA-based Fingerprint Biometric Encryption using Fuzzy Vault Scheme
153	1569221435	Grooming IC Designer through Apprenticeship Programme
154	1569223603	Implementation of Fuzzy Logic Based Faculty Performance Analysis System using FPGA
155	1569217212	Investigation of Low Vbd on 7nm Oxide POD Capacitor
156	1569223197	LFSR based Fast Seed Selection Technique Reducing Test Time of IDDQ Testing
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159	1569223599	Multiphase Sinusoidal Oscillators Using Operational Trans-resistance Amplifier
160	1569221799	Nonlinear Parametric Studies of Photon in a Fiber Bragg Grating
161	1569223351	Performance Efficiency Analysis of the Quasi-Adiabatic Energy Recovery Circuits for 350 nm and 70 nm Technology Nodes
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164	1569219219	A New Shifted Scaled LS Channel Estimator for Rician Flat Fading MIMO Channel
165	1569222917	A Proposed Biologically-Inspired Model to Analyze Signal Sound
166	1569221597	A Re-quantization Noise Reduction Method in MPEG-2 to H.264 Intra Transcoding
167	1569221835	Adaptive PMD Compensation Based on DSP in Optical Transmission Systems
168	1569223103	An Improved Robust Estimation Algorithm for Small IR Target Detection
169	1569223061	An Improvement Real-Time Target Tracking Algorithm by a Kalman Predictor in Wavelet Domain
170	1569222047	An Optimum Design of Linear Phase FIR Filters by the Generalized Brain-State-in-a-Box Neural Network Model

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173	1569223467	Automatic Feature Extraction and Selection in Fault Diagnosis of Oil Rig Motor Pumps
174	1569223479	Blind SpeechSeparation Using OPCA Method
175	1569223381	Chalcogenide Optical Fiber Based Sensor for Non-invasive Monitoring of Respiration
176	1569223195	Classification of Remotely Sensed Images Using Object Oriented Classifiers
177	1569222887	Convolution Method for CCD Images Processing
178	1569223388	Current Controlled Conveyor based Transadmittance mode Universal Filter
179	1569221521	Design and Implementation of an Ultra-high Speed Data Acquisition System for HRRATI
180	1569223187	Efficient Content-Based Copy Detection Using Signs of DCT Coefficient
181	1569217941	Electromagnetic Tomography Featuring Ultra Wide Band Sensor with Conformal Finite Difference (CFDTD) Modeling of Dispersive Media.
182	1569223169	Fast Face Detection Using Boosted Eigenfaces
183	1569221563	Fast Fibonacci Jacket Matrices Transform
184	1569219251	Fuzzy Blind-Spot Scanner for Automobiles
185	1569223419	Genetically Tuned Parameters Based GPS/INS Navigation System
186	1569223129	Hand Vein Biometric Authentication System running on Embedded System
187	1569221773	Image Fusion by Multi-resolution FFT
188	1569223163	Industrial Data Acquisition and Control System using two PLCs Networked over MPI Network
189	1569222871	Intelligent Sensor for Predicting the Quality of Reduced Iron in Direct Reduction Furnace
190	1569221779	Investigation on the effectiveness of Classifying the Voltage Sag Using Support Vector Machine
191	1569221775	Maneuvering Target Tracking using Fusion of Radar and IRST Measurements
192	1569223576	Modeling and Analysis of Sound-Structure Interaction in a Rectangular Enclosure
193	1569223193	Multi- Sensor Remote Sensing Image Fusion Based On Retina-Inspired Mode
194	1569223201	Mutual information based nonlinear feature extraction for Hyperspectral images
195	1569218253	Non-Contact Sensing of Photoconductance & hence to Measure the Minority Carrier Lifetime of Semiconductor Material.

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198	1569223029	Piecewise-polynomial Bases and Specialized Processor for Digital Signal Processing
199	1569223431	Power systems SCADA: Hypermedia user-interface integration
200	1569219435	Principle Subspace-Based Signature Verification Technique using Reduced-Sensors Data Glove
201	1569221707	Real-Time Platform for Interharmonics Measurement in Power Systems
202	1569223373	Recognition of Separate and Adjoint Persian Letters Using Primitives
203	1569223327	Selective Tap Training of FIR filters for Blind Source Separation of Convolutional Speech Mixtures
204	1569223111	Sensor Selection in Optical Tomography
205	1569222973	Simulation of Dynamic Behaviour of Numerical Distance Relays
206	1569223507	Skin Detection Using Thresholding in Hue and RGB Color Space
207	1569223321	Solving global permutation ambiguity of time domain BSS using speaker specific features of speech signals
208	1569223483	Speckle Reduction in Synthetic Aperture Radar(SAR)
209	1569221919	Speeding Up Motion Estimation in Modern Video Encoders Using Approximate Metrics and SIMD Processors
210	1569217519	Statistical Analysis of Vibration Signals for Cavitation Detection
211	1569224649	Study the Effect of Butterworth Filters Order on the Ideal Filter Approximation for Butterworth Low Pass Filter
212	1569217633	Video Codec Optimizations on Cortex-A8
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214	1569219303	A analytical discrete model for evaluation the chaotic behavior of Buck converter under current control mode
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216	1569223289	A Fully Soft-Switched ZVZCS Full-Bridge PWM Converter
217	1569223379	A New Active Clamping Soft Switching Weinberg Converter
218	1569223385	A New Control Scheme for Series Compensation Technique
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223	1569223017	A Simple and Flexible Vision Based Hand Gesture Recognition System
224	1569223205	A Simple Direct-Frequency Control of AC/DC Three-Phase Current Injection Series Resonant Converter
225	1569223957	A Study of The EMI Characteristics in Adjustable Speed Drivers
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228	1569223333	Analysis and Modification of a ZVT Inverter Behavior
229	1569222809	Application an Open-architecture System for Two Wheels Inverted Pendulum Mobile Robot
230	1569223059	Application of indirect current control algorithm in three-phase four-wire shunt active filter with reduced topology
231	1569224161	Application of Multi-Scale Modeling of Nano Devices using CUDA
232	1569222981	Application of Particle Swarm Optimization for State Feedback Stabilizing Controller Design of Inverted Pendulum
233	1569222997	Architecturally Efficient Computation of Shortest Paths for a Mobile Robot
234	1569218285	Comparative Study of Parametric and Intelligent Unstructured Uncertainties for Robust Controller Design
235	1569223199	Comparison of the Experimental Results of a Newly Developed Interfacing Method on a Single-Phase Matrix Converter Employing Safe Commutation Strategy
236	1569223617	Controller Design for Servo Motor
237	1569222509	Converter Configuration Suitable For Electronic Distribution Transformer
238	1569223345	Design of a Gain Scheduling Photovoltaic Energy Conversion System
239	1569223363	Design of a modular climbing robot
240	1569223449	Design of a motorized hand held flexible instrument for Minimally Invasive Surgery
241	1569223185	Design of Boost Converter using Timer IC 555 for Charging Capacitor Banks
242	1569223491	Design of Series Thyristor Circuit for Magnetic Pulsed System
243	1569221637	Development and simulation of an adaptive vehicle for in-pipe inspection task
244	1569223135	Development of DSP-based gate signal generator for a Modular Structured Multilevel Inverter

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247	1569222923	Dynamic Voltage Restorer Based on Stacked Multicell Converter
248	1569222985	Efficiency Performance Analysis of Series Loaded Resonant Converter
249	1569223107	Electronic Transformer Design Using Single-phase Matrix Converter
250	1569219227	FPGA-Based implementation of an intelligent MPPT for photovoltaic module
251	1569221953	Genetic Algorithm Optimization of I/O Scales and Parameters for FLIC in Servomotor Control
252	1569223423	Grid Connected Inverter with Unity Power Factor for Wind Power Applications
253	1569222933	Harmonic Analysis of Input Current of Single-Phase Controlled Bridge Rectifier
254	1569222283	Harmonic Reduction Using Current Injection Based Twelve-Pulse Rectifier
255	1569222999	Improving Horizontal and Vertical Sealing Systems in Continuous Automatic Form/Fill/Seal Machines by Electronic Control
256	1569220067	Improving Trajectory Tracking of a Three Axis SCARA Robot Using Neural Networks
257	1569214333	Investigation of Feed-forward Techniques for Anti-sway Control of 3-D Gantry Crane System
258	1569222955	Investigation of High Frequency Effects on Soft-Switched Synchronous Rectifier Buck Converter
259	1569221801	Kinematics Simulation and Control of a New 2 DOF Parallel Mechanism Based on Matlab/SimMechanics
260	1569223055	MATLAB Based Modeling and Performance Study of Series Connected SPVA under Partial Shaded Conditions
261	1569223273	Mobile Robot Navigation Using an Interval Fuzzy type-2 and Neural Network Classifier
262	1569224141	Modeling and Reliability Analysis of MEMS Based Fuel Cells
263	1569222063	Modeling and Simulation of Contactless Power Transmission System by Inductance Coupling
264	1569223607	Modelling of Nonlinear Loads and Design of Active Filter for Compensation of Harmonics in Industrial Distribution System
265	1569224143	Multi Scale Modeling of Nano Enable Solar cell With Implementation on an HPC Setup
266	1569219277	Neuro-PID Control of an Industrial Furnace Temperature
267	1569223461	Parallel Distributed Compensation Based Robust Fuzzy Control
268	1569223005	Performing High Level Tasks with a Sole Microcontroller-Based Mobile Robot
269	1569223189	Peripheral Interface Controller in the Single Phase Matrix Converter as AC-DC converter with safe commutation strategy

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271	1569218915	Rapid Prototyping Tool for Electrical Load Emulation using Power Electronic Converters
272	1569224163	Reliability Analysis MEMS devices on CUDA based platform for Real Life Applications
273	1569223231	Repeatedly Resonating Ignition Circuit for HID Lamp Electronic Ballasts
274	1569223269	Review and Comparison of Control Methods for Uninterruptible Power Supplies
275	1569223239	RFID Based Attendance System
276	1569223089	Robot Localization and Mapping problem with Bounded Noise Uncertainties
277	1569223011	Robust H _∞ Controller Design for Distillation Column based on Multi-objective Optimization and Genetic Algorithms
278	1569222395	Safe-Commutation Strategy for Controlled Rectifier Operation using Single-Phase Matrix Converter
279	1569223433	Small-signal AC modeling Technique of Buck Converter with DSP Based Proportional-Integral-Derivative (PID) Controller
280	1569223471	Smart Wheelchair design and monitoring via Wired and Wireless Networks
281	1569223247	Stability Enhancement of Power System by Controlling HVDC Power Flow through the Same AC Transmission Line
282	1569222883	Stand-alone station for deep sky objects astrophotography
283	1569223357	Switching loss Characteristics of advanced DPWM methods using space vector based double switching clamping sequences
284	1569224109	The Quarter Car Fuzzy Controller Design Based on Model from Intelligent System Identification
285	1569223613	The Renewable Energy Applications for Uninterruptible Power Supply Based on Compressed Air Energy Storage System
286	1569223039	Third Harmonic Injection PWM Parallel Connected Inverter
287	1569223139	Transportation and Empalacement System of Pre-assembled EBS for HLW Geological Disposal in Japan
288	1569224641	Two-stage Electronic Ballast for Metal Halide Lamps with embedded Buck- Conversion and Ignition Circuit
289	1569223253	Utilization of Webots and Khepera II as a Platform for Neural Q-Learning Controllers
290	1569223209	Vision-based System for Line Following Mobile Robot