

Contact

- Er.Sathiskumar 🕓 99421 30500
- 🕓 94862 54194 Mr.Mohan
- **()** 78455 30500 Office
- <u>caeltechnosoft@gmail.com</u> Email Id
- Facebook Id <u>https://www.facebook.com/caeltech</u>
- Location
- https://goo.gl/RXmNQE

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Embedded Systems

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CTEM114 Quick Find: Fast and Contact-free Object Detection Using a Depth Sensor	2016
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CTEM121	Robust Multirate On-Road Vehicle Localization For Autonomous Highway Driving Vehicles	2016
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CTEM124	Smart Belt A wearable device for managing abdominal obesity	2016
	Smart Lighting: Developing A Smarter Control Mechanism For Park Trail Lighting	2016
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CTEM127	Smart Real-Time Healthcare Monitoring and Tracking System using GSM/GPS Technologies	2016
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CTEM130	Smartphone: The Key To Your Connected Smart Home	2016
CTEM131	Stereo Audio Streaming Via Visible Light	2016
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CTEM135	Towards the Trustworthy Development of Active Medical Devices: A Hemodialysis Case Study	2016
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Power Electronics

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CTPE008	A Family of Isolated Buck-Boost Converters Based on Semi-active Rectifiers for High Output Voltage Applications	2016
CTPE009	A Family of Quasi-Switched-Capacitor Circuit Based Dual-Input DCDC Converters for Photovoltaic Systems Integrated with Battery Energy Storage	2016
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CTPE011	A High Efficiency Current Mode Buck Converter with a Power-Loss- Aware	2016
CTPE012	A High Power Density Single-Phase Inverter Using Stacked Switched Capacitor Energy Buffer	2016
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CTPE014	A Low-Power High-Stability Flexible Scan Driver Integrated by IZO TFTs	2016
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CTPE019	A New Compact and High Efficiency Resonant Converter	2016
CTPE020	A New Family of Zero-Voltage-Transition Non-isolated Bidirectional Converters With Simple Auxiliary Circuit	2016
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CTPE022	A Novel Multiple-FrequenA Low-Voltage Ride-Through Technique for Grid-connected Converters with Reduced Power Transistors Stressy Resonant Inverter for Induction Heating Applications	2016
CTPE023	A Novel Multiple-Frequency Resonant Inverter for Induction Heating Applications	2016
CTPE024	A Novel Nine-Level Inverter Employing One Voltage Source and Reduced Components as High Frequency AC Power Source	2016
CTPE025	A Novel Transformer-less Interleaved Four-Phase Step-Down DC Converter With Low Switch Voltage Stress and Automatic Uniform Current-Sharing Characteristics	2016
CTPE026	A Performance Investigation of a Four-Switch Three-Phase Inverter-Fed IM Drives at Low Speeds Using Fuzzy Logic and PI Controllers	2016
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CTPE029	A PWM Plus Phase-Shift Controlled Interleaved Isolated Boost Converter Based on Semi-active Quadrupler Rectifier for High Step-Up Applications	2016
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CTPE031	A Single DC Source Cascaded Seven-Level Inverter Integrating Switched Capacitor Techniques	2016
CTPE032	A Single-Phase PV Quasi-Z-Source Inverter With Reduced Capacitance Using Modified Modulation and Double-Frequency Ripple Suppression Control	2016
CTPE033	A Three Phase Hybrid Cascaded Modular Multilevel Inverter for Renewable Energy Environment	2016
CTPE034	A Three-Phase Bidirectional ACDC Converter with Y- Δ Connected Transformers	2016
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CTPE048	An Offshore Wind Generation Scheme With a High-Voltage Hybrid Generator, HVDC Interconnections, and Transmission	2016
CTPE049	An Optimal Method to Design a Trap-CL Filter for a PV AC-Module Based on Flyback Inverter	2016
CTPE050	Analysis and Control of M3C based UPQC for Power Quality Improvement in MediumHigh Voltage Power Grid	2016
CTPE051	Analysis and Design of Modified Half-Bridge Series-Resonant Inverter With DC-Link Neutral-Point-Clamped Cell	2016
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CTPE069	Design and Implementation of a High Efficiency Multiple Output Charger based on the Time Division Multiple Control Technique	2016
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CTPE073	Development of DC/DC Converter for Battery Energy Storage Supporting Railway DC Feeder Systems	2016
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CTPE086	High-Efficiency Bidirectional DAB Inverter Using a Novel Hybrid Modulation for Stand-Alone Power Generating System With Low Input Voltage	2016

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CTPE091	Highly Reliable Transformerless Photovoltaic Inverters With Leakage Current and Pulsating Power Elimination	2016
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CTPE095	Improving Loading and Unloading Transient Response of a Voltage Regulator Module Using a Load-Side Auxiliary Gyrator Circuit	2016
CTPE096	Inductive Charger for Electric Vehicle Advanced Modeling and Interoperability Analysis	2016
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CTPE114	Simplified Space Vector Modulation Techniques for Multilevel Inverters	2016
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CTPE118	Single-Stage AC/DC Single-Inductor Multiple-Output LED Drivers	2016
CTPE119	Single-Stage Bridgeless AC-DC PFC Converter Using a Lossless Passive Snubber and Valley- Switching	2016
CTPE120	Single-stage Three-phase Differential-mode Buck-Boost Inverters with Continuous Input Current for PV Applications	2016
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CTPE122	Space Vector PWM With Common-Mode Voltage Elimination for Multiphase Drives	2016
CTPE123	Split-Phase Control: Achieving Complete Soft-Charging Operation of a Dickson Switched-Capacitor Converter	2016
CTPE124	Switched-Coupled-Inductor Quasi-Z-Source Inverter	2016
CTPE125	Switching-Gain Adaptation Current Control for Brushless DC Motors	2016
CTPE126	Three phase converter with galvanic isolation based on loss-free resistors for HB-LED lighting applications	2016
CTPE127	Three-Phase Split-Source Inverter (SSI): Analysis and Modulation	2016
CTPE128	Transformerless Photovoltaic Inverter Based on Interleaving High- Frequency Legs Having Bidirectional Capability	2016
CTPE129	Ultra-capacitor-Battery Hybrid Energy Storage System Based on the Asymmetric Bidirectional Z-Source Topology for EV	2016
CTPE130	Unified Digital Current Mode Control Tuning with Near Optimal Recovery in a CCM Buck Converter	2016
CTPE131	Wide ZVS Range Asymmetric Half-Bridge Converter With Clamp Switch and Diode for High Conversion Efficiency	2016
CTPE132	ZVS of Power MOSFETs Revisited	2016
CTPE133	ZVS-ZCS High Voltage Gain Integrated Boost Converter For DC Microgrid	2016

Power Systems

No.	Title	Year
CTPS001	A Hybrid-STATCOM With Wide Compensation Range and Low DC- Link Voltage	2016
CTPS002	A 10 nW–1 µW Power Management IC With Integrated Battery Management and Self-Startup for Energy Harvesting Applications	2016
CTPS003	A Comparative Study on Probabilistic Optimization Methods for Electromagnetic Design	2016
CTPS004	A HYBRID-STATCOM WITH WIDE COMPENSATION RANGE AND LOW DC-LINK VOLTAGE	2016
CTPS005	A LOW CAPACITANCE CASCADED H-BRIDGE MULTI-LEVEL STATCOM	2016
CTPS006	A Novel Multiphase Brushless Power-Split Transmission System for Wind Power Generation	2016
CTPS007	A Novel Proposal to Improve Reliability of Spoke-Type BLDC Motor using Ferrite Permanent Magnet	2016
CTPS008	A Novel Technique for Two-Phase BLDC Motor to Avoid Demagnetization	2016
CTPS009	A Novel Transformer-less Interleaved Four-Phase Step-Down DCConverter With Low Switch Voltage Stress and Automatic Uniform Current-Sharing Characteristics	2016
CTPS010	A Peak-Capacitor-Current Pulse-Train-Controlled Buck Converter With Fast Transient Response and a Wide Load Range	2016
CTPS011	A Versatile Unified Power Quality Conditioner Applied to Three-Phase Four-Wire Distribution Systems Using a Dual Control Strategy	2016
CTPS012	Active Power Control Strategies For Transient Stability Enhancement Of Ac/Dc Grids With Vsc-Hvdc Multi-Terminal Systems	2016
CTPS013	ADAPTIVE DC STABILIZER WITH REDUCED DC FAULT CURRENT FOR ACTIVE DISTRIBUTION POWER SYSTEM APPLICATION	2016

CTPS014	Adaptive Neuro fuzzy inference system least mean square based control algorithm for Dstatcom	2016
CTPS015	An enhanced dc voltage droop-control for the VSC-HVDC grid	2016
CTPS016	An Improved Phase-Shifted Carrier Modulation for Modular Multilevel Converter to Suppress the Influence of Fluctuation of Capacitor Voltage	2016
CTPS017	An Isolated Topology for Reactive Power Compensation With a Modularized Dynamic-Current Building-Block	2016
CTPS018	Analysis And Performance Enhancement Of Vector-Controlled Vsc In Hvdc Links Connected To Very Weak Grids	2016
CTPS019	Analysis of Dynamic Unbalanced Magnetic Pull in Induction Motor With Dynamic Eccentricity During Starting Period	2016
CTPS020	Analytical Solution of the Magnetic Field and EMF Calculation in IronlessBLDC Motor	2016
CTPS021	Applying Model Predictive Control to SMES System in Microgrids for Eddy Current Losses Reduction	2016
CTPS022	Armature Reaction Field and Inductance Calculation of Ironless BLDCMotor	2016
CTPS023	Bidirectional Resonant DC–DC Step-Up Converters for Driving High- Voltage Actuators in Mobile Microrobots	2016
CTPS024	Biodegradable Junctionless Transistors With Extremely Simple Structure	2016
CTPS025	Bridge-Type Solid-State Fault Current Limiter Based on AC/DC Reactor	2016
CTPS026	Canonical Model and Design Methodology for LLC DC/DC Converter With Constant Current Operation Capability Under Shorted Load	2016
CTPS027	Closed-Loop Distribution Network by a Midvoltage Flexible HTS DCSystem	2016
CTPS028	COMBINED LMS-LMF BASED CONTROL ALGORITHM OF DSTATCOM FOR POWER QUALITY ENHANCEMENT IN DISTRIBUTION SYSTEM	2016

CTPS029	Connection of Converters to a Low and Medium Power DC Network Using an Inductor Circuit	2016
CTPS030	CONTROL AND ANALYSIS OF THE MODULAR MULTILEVEL DC DE-ICER WITH STATCOM FUNCTIONALITY	2016
CTPS031	CONTROL OF DFIG WIND POWER GENERATORS IN UNBALANCED MICROGRIDS BASED ON INSTANTANEOUS POWER THEORY	2016
CTPS032	Control Strategies of Three-Phase Distributed Generation Inverters for Grid Unbalanced Voltage Compensation	2016
CTPS033	Control Strategy to Maximize the Power Capability of PV Three-Phase Inverters During Voltage Sags	2016
CTPS034	COOPERATIVE PLANNING OF RENEWABLE GENERATIONS FOR INTERCONNECTED MICRO GRIDS	2016
CTPS035	Delay-Dependent Stability of Single-Loop Controlled Grid-Connected Inverters with LCL Filters	2016
CTPS036	Design and Development of an Efficient Multilevel DC/AC Traction Inverter for Railway Transportation Electrification	2016
CTPS037	Design of Dynamic Voltage Restorer and Active Power Filter for Wind Power Systems Subject to Unbalanced and Harmonic Distorted Grid	2016
CTPS038	DESIGN OF EXTERNAL INDUCTOR FOR IMPROVING PERFORMANCE OF VOLTAGE CONTROLLED DSTATCOM	2016
CTPS039	Detection of Inter-Turn and Dynamic Eccentricity Faults Using Stator Current Frequency Pattern in IPM-Type BLDC Motors	2016
CTPS040	Development of BLDC Motor-Based Elevator System Suitable for DC Microgrid	2016
CTPS041	DISTRIBUTED NOISE-RESILIENT NETWORKED SYNCHRONY OF ACTIVE DISTRIBUTION SYSTEMS	2016
CTPS042	DROOP-BASED DISTRIBUTED COOPERATIVE CONTROL FOR MICRO GRIDS WITH TIME-VARYING DELAYS	2016
CTPS043	Dual Flying Capacitor Active-Neutral-Point-Clamped Multilevel Converter	2016

CTPS044	EFFICIENT SINGLE PHASE TRANSFORMER LESS INVERTER FOR GRID-TIED PVG SYSTEM WITH REACTIVE POWER CONTROL	2016
CTPS045	Experimental Investigation On A Hybrid Series Active Power Compensator To Improve Power Quality Of Typical Households	2016
CTPS046	Fast Model Predictive Control For Multilevel Cascaded H-Bridge Statcom With Polynomial Computation Time	2016
CTPS047	Fast Steady-State Field-Circuit Model for SMPM-BLdc Motors Driven From 120° and 180° Quasi-Square Wave Inverters	2016
CTPS048	Fault-Tolerant Control of Dual Three-Phase Permanent-Magnet Synchronous Machine Drives under Open Phase Faults	2016
CTPS049	Fault-tolerant Inverter for High-speed Low-inductance BLDC Drives in Aerospace Applications	2016
CTPS050	Frequency-dependent cable modelling for small-signal stability analysis of VSC-HVDC systems	2016
CTPS051	Full-Bridge Reactive Power Compensator With Minimized-Equipped Capacitor and Its Application to Static Var Compensator	2016
CTPS052	Grid-Current-Feedback Active Damping for <i>LCL</i> Resonance in Grid Connected Voltage-Source Converters	2016
CTPS053	Hall-Effect Sensor Fault Detection, Identification, and Compensation in Brushless DC Drives	2016
CTPS054	Harmonic Profile Injection-Based Hybrid Active Islanding Detection Technique For PV-VSC-Based Microgrid System	2016
CTPS055	HIGH FREQUENCY RESONANCE DAMPING OF DFIG BASED WIND POWER SYSTEM UNDER WEAK NETWORK	2016
CTPS056	High-Performance Constant Power Generation in Grid-Connected PV Systems	2016
CTPS057	IMPACT OF SWITCHING HARMONICS ON CAPACITOR CELLS BALANCING IN PHASE-SHIFTED PWM BASED CASCADED H- BRIDGE STATCOM	2016

CTPS058	Impedance networks and its Application in Power for Electric Traction Systems	2016
CTPS059	Individual Phase Current Control Based on Optimal Zero-Sequence Current Separation for a Star-Connected Cascade STATCOM Under Unbalanced Conditions	2016
CTPS060	Investigation of Forces and Secondary Losses in Linear Induction Motorwith the Solid and Laminated Back Iron Secondary for Metro	2016
CTPS061	Investigation on Dynamic Voltage Restorers With Two DC Links and Series Converters for Three-Phase Four-Wire Systems	2016
CTPS062	Limited angle BLDC for scan mirror application in space satellite system	2016
CTPS063	Load Test Analysis of High-Temperature Superconducting SynchronousMotors	2016
CTPS064	Motor Design and Characteristics Comparison of Outer-Rotor-Type BLDCMotor and BLAC Motor Based on Numerical Analysis	2016
CTPS065	MPC-SVM Method for Vienna Rectifier with PMSG used in Wind Turbine Systems	2016
CTPS066	New Equivalent Circuit of the IPM-type BLDC Motor for Calculation of Shaft Voltage by Considering Electric and Magnetic Fields	2016
CTPS067	New Topology for DC–DC Converters Used in Fuel Cell–Electric Double Layer Capacitor Hybrid Power Source Systems for Mobile Devices	2016
CTPS068	OFFSET-FREE DIRECT POWER CONTROL OF DFIG UNDER CONTINUOUS-TIME MODEL PREDICTIVE CONTROL	2016
CTPS069	Online Fault Diagnosis of Motor Bearing via Stochastic-Resonance- Based Adaptive Filter in an Embedded System	2016
CTPS070	On-the-Fly Topology-Morphing Control—Efficiency Optimization Method for LLC Resonant Converters Operating in Wide Input- and/or Output-Voltage Range	2016
CTPS071	Optimal Design of a New Interior Permanent Magnet Motor Using a Flared-Shape Arrangement of Ferrite Magnets	2016

CTPS072	OPTIMAL PLACEMENT OF ENERGY STORAGE DEVICES IN MICROGRIDS VIA STRUCTURE PRESERVING ENERGY FUNCTION	2016
CTPS073	Power converters and its application in electric traction systems. Analysis Present and Future Technologies	2016
CTPS074	Reactive Power and AC Voltage Control of LCC HVDC System with Controllable Capacitors	2016
CTPS075	Real-time Optimization of Automatic Control Systems with Application to BLDC Motor Testrig	2016
CTPS076	RESOLVING POWER QUALITY ISSUES RAISED BY AERODYNAMIC ASPECTS OF WIND TURBINE IN ISOLATED MICROGRIDS USING FUEL CELL/ELECTROLYZER SYSTEM	2016
CTPS077	REVIEW OF ACTIVE AND REACTIVE POWER SHARING STRATEGIESIN HIERARCHICAL CONTROLLED MICRO GRIDS	2016
CTPS078	Selective Harmonic Elimination With Groebner Bases and Symmetric Polynomials	2016
CTPS079	Shunt Active Power Filter Based on Cascaded Transformers Coupled with Three-Phase Bridge Converters	2016
CTPS080	STATCOM Operation Scheme of the CDSM-MMC During a Pole-to- Pole DC Fault	2016
CTPS081	SYNCHRONOUS POWER CONTROLLER WITH FLEXIBLE DROOP CHARACTERISTICS FOR RENEWABLE POWER GENERATION SYSTEMS	2016
CTPS082	Teaching Power Electronics With a Design-Oriented, Project-Based Learning Method at the Technical University of Denmark	2016

Bio Medical

No.	Title	Year
CTBM001	A Circuit Model Of Real Time Human Body Hydration	2016
CTBM002	A Mechanism To Access The Medical Information And A Modeling Approach For Medical Hazards	2016
CTBM003	A Multi-Signal Acquisition System For Preventive Cardiology With Cuff-Less Bp Measurement Capability	2016
CTBM004	A Novel Approach for Communication among Blind, Deaf and Dumb People	2016
CTBM005	A Vision-Based Respiration Monitoring System for Passive Airway Resistance Estimation	2016
CTBM006	A Wearable Device for Monitoring Sweat Rates via Image Analysis	2016
CTBM007	A Wireless Sensor for Real-Time Monitoring of Tensile Force on Sutured Wound Sites	2016
CTBM008	Admission Control over Internet of Vehiclesattached with Medical sensors for Ubiquitous Healthcare Applications	2016
CTBM009	An Energy Efficient Sensor For Thyroid Monitoring Through The Iot	2016
CTBM010	Autodietary: A Wearable Acoustic Sensor System For Food Intake Recognition In Daily Life	2016
CTBM011	Automating vector autoregression on electronic patient diary data	2016
CTBM012	Blind User Wearable Audio As sistance for Indoor Navigation Based on Visual Markers and Ultrasonic Obstacle Detection	2016
CTBM013	Brain Computer Interface And Arduino microcontroller Family Software Interconnection Solution	2016
CTBM014	Bsn-Care: A Secure Iot-Based Modern Healthcare System Using Body Sensor Network	2016
CTBM015	Detecting Elementary Arm Movements by Tracking Upper Limb Joint Angles with MARG Sensors	2016

CTBM016	Detecting Elementary Arm Movements by Tracking Upper Limb Joint Angles with MARG Sensors	2016
CTBM017	Development Of A Brain-Computer Interface Based On Visual Stimuli For The Movement Of A Robot Joints	2016
CTBM018	Estimation Of Circadian Body Temperature Rhythm Based On Heart Rate In Healthy, Ambulatory Subjects	2016
CTBM019	Low-power wearable ECG monitoring system for multiple-patient remote monitoring	2016
CTBM020	MS-QI: A Modulation Spectrum-Based ECG Quality Index for Telehealth Applications	2016
CTBM021	Real-time Classification of Hand Motions using Ultrasound Imaging of Forearm Muscles	2016
CTBM022	Real-Time Patient Health Monitoring And Alarming Using Wireless- Sensor-Network	2016
CTBM023	Robotic Automated External Defibrillator Ambulance For Emergency Medical Service In Smart Cities	2016
CTBM024	Secure Management Of Low Power Fitness Trackers	2016
CTBM025	Sensing Method Of Patient's Body Movement Without Attaching Sensors On The Patient's Body	2016
CTBM026	Simple ambulatory gait monitoring system using a single IMU for various daily-life gait activities	2016
CTBM027	Skin Temperature Prediction In Lower Limb Prostheses	2016
CTBM028	Smart Belt A wearable device for managing abdominal obesity	2016
CTBM029	Smart Brief Monitoring System For Assisted Living	2016
CTBM030	Smart Real-Time Healthcare Monitoring and Tracking System using GSMGPS Technologies	2016
CTBM031	Using off-the-shelf medical devices for biomedical signal monitoring in a telemedicine system for emergency medical services	2016
CTBM032	Wearable Camera- and Accelerometer-based Fall Detection on Portable Devices	2016

CTBM033	Wearable Noncontact Armband for Mobile ECG Monitoring System	2016
	BIOMEDICAL USING MATLAB	
CTBM034	A 3–D Riesz–Covariance Texture Model for Prediction of Nodule Recurrence in Lung CT	2016
CTBM035	Active Learning Methods for Effcient Hybrid Biophysical Variable Retrieval	2016
CTBM036	Automated Diagnosis of Glaucoma Using Empirical Wavelet Transform and Correntropy Features Extracted from Fundus Images	2016
CTBM037	Brain Tumor Segmentation Using Convolutional Neural Networks in MRI Images	2016
CTBM038	Carotid Artery Wall Segmentation in Multispectral MRI by Coupled Optimal Surface Graph Cuts.	2016
CTBM039	Combining Generative and Discriminative Representation Learning for Lung CT Analysis With Convolutional Restricted Boltzmann Machines	2016
CTBM040	Compressive Deconvolution in Medical Ultrasound Imaging	2016
CTBM041	Computer-Assisted Screw Size and Insertion Trajectory Planning for Pedicle Screw Placement Surgery	2016
CTBM042	Confident Care: A Clinical Decision Support System for Personalized Breast Cancer Screening	2016
CTBM043	Deformable Registration of Biomedical Images using 2D Hidden Markov Models	2016
CTBM044	Fast Automatic Segmentation of Kidney Based on Modified AAM and Random Forest	2016
CTBM045	First Robotic SPECT for Minimally Invasive Sentinel Lymph Node Mapping	2016
CTBM046	Fusion of Quantitative Image and Genomic Biomarkers to Improve Prognosis Assessment of Early Stage Lung Cancer Patients	2016

CTBM047	Histopathological Image Classification Using Discriminative Feature- Oriented Dictionary Learning	2016
CTBM048	Improved patch based automated liver lesion classification by separate analysis of the interior and boundary regions	2016
CTBM049	Improving Computer-Aided Detection Using Convolutional Neural Networks and Random View Aggregation	2016
CTBM050	Interactive Cell Segmentation Based on Active and Semi-Supervised Learning	2016
CTBM051	Kernel Bundle Diffeomorphic Image Registration Using Stationary Velocity Fields and Wendland Basis Functions	2016
CTBM052	Locality Sensitive Deep Learning for Detection and Classification of Nuclei in Routine Colon Cancer Histology Images	2016
CTBM053	Metaheuristics for specialization of a segmentation algorithm for ultrasound images	2016
CTBM054	MRI Based Bayesian Personalization of a Tumor Growth Model	2016
CTBM055	Myocardial Infarct Segmentation From Magnetic Resonance Images for Personalized Modeling of Cardiac Electrophysiology	2016
CTBM056	Optic Disc Boundary and Vessel Origin Segmentation of Fundus Images	2016
CTBM057	Real-Time Automatic Artery Segmentation, Reconstruction and Registration for Ultrasound-Guided Regional Anaesthesia of the Femoral Nerve	2016
CTBM058	Red Lesion Detection Using Dynamic Shape Features for Diabetic Retinopathy Screening	2016
CTBM059	Robust Edge-Stop Functions for Edge-Based Active Contour Models in Medical Image Segmentation	2016

CTBM060	Robust Sclera Recognition System With Novel Sclera Segmentation and Validation Techniques	2016
CTBM061	Visualization of Tumor Response to Neoadjuvant Therapy for Rectal Carcinoma by Nonlinear Optical Imaging	
	Carcinonia by Nominear Optical Intaging	2016



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Image Processing

No.	Title	Year
CTIP001	2D Orthogonal Locality Preserving Projection for Image Denoising	2016
CTIP002	2D Segmentation Using a Robust Active Shape Model With the EM Algorithm	2016
CTIP003	A Completely Blind Video Integrity Oracle	2016
CTIP004	A Compressive Multi-Frequency Linear Sampling Method for Underwater Acoustic Imaging	2016
CTIP005	A DCT-based Total JND Profile for Spatio-Temporal and Foveated Masking Effects	2016
CTIP006	A Decomposition Framework for Image Denoising Algorithms	2016
CTIP007	A Feature Learning and Object Recognition Framework for Underwater Fish Images	2016
CTIP008	A Hands-on Application-Based Tool for STEM Students to Understand Differentiation	2016
CTIP009	A Hybrid of Local and Global Saliencies for Detecting Image Salient Region and Appearance	2016
CTIP010	A Manifold Alignment Approach for Hyperspectral Image Visualization With Natural Color	2016
CTIP011	A Novel Vision-Based Adaptive Scanning for the Compression of Remote Sensing Images	2016
CTIP012	A Security-Enhanced Alignment-Free Fuzzy Vault-Based Fingerprint Cryptosystem Using Pair-Polar Minutiae Structures	2016
CTIP013	A Signal Decomposition Model-Based Bayesian Framework for ECG Components Separation	2016
CTIP014	ACE-An Effective Anti-forensic Contrast Enhancement Technique	2016
CTIP015	Adaptive Pairing Reversible Watermarking	2016
CTIP016	Adaptive Part-Level Model Knowledge Transfer for Gender	2016

CTIPO1Adaptive stegatiatysis based on Enfocuting Probabilities of Prefix2016CTIPO18Aging Face Recognition: A Hierarchical Learning Model Based on Local Patterns Selection2016CTIPO19Analyzing the Effect of JPEG Compression on Local Variance of Image Intensity2016CTIPO20Antipodally Invariant Metrics for Fast Regression-Based Super-Resolution Image Segmentation2016CTIPO21Architecture-Driven Level Set Optimization: From Clustering to Subpixel Image Segmentation2016CTIPO22BIT: Biologically Inspired Tracker2016CTIPO23Blind Quality Assessment of Tone-Mapped Images Via Analysis of Information, Naturalness, and Structure2016CTIPO24CASAIR: Content and Shape-Aware Image Retargeting and Its Applications2016CTIP025CCR: Clustering and Collaborative Representation for Fast Single Image Recognition2016CTIP026Class-wise Sparse and Collaborative Patch Representation Prediction2016CTIP027Cloud Belief Rule Base Model for Network Security Situation Prediction2016CTIP028Color Image Denoising via Discriminatively Learned Iterative Shrinkage2016CTIP029Comprehensive and Practical Vision System for Self-Driving Vehicle Lane-Level Localization2016CTIP031Compression of 3D Point Clouds Using a Region-Adaptive Hierarchical Independent Dictionaries2016CTIP033Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries2016CTIP034Content-Adaptive Steganography by Minimizing Statistical Detectability2016 </th <th>CTIP017</th> <th>Adaptive Steganalysis Based on Embedding Probabilities of Pixels</th> <th>2016</th>	CTIP017	Adaptive Steganalysis Based on Embedding Probabilities of Pixels	2016
CTIP018 Patterns Selection2016CTIP019Analyzing the Effect of JPEG Compression on Local Variance of Image Intensity2016CTIP020Antipodally Invariant Metrics for Fast Regression-Based Super-Resolution2016CTIP021Architecture-Driven Level Set Optimization: From Clustering to Subpixel Image Segmentation2016CTIP022BIT: Biologically Inspired Tracker2016CTIP023Blind Quality Assessment of Tone-Mapped Images Via Analysis of Information, Naturalness, and Structure2016CTIP024CASAIR: Content and Shape-Aware Image Retargeting and Its Super-Resolution2016CTIP025CCR: Clustering and Collaborative Representation for Fast Single Image Recognition2016CTIP026Class-wise Sparse and Collaborative Patch Representation for Face Recognition2016CTIP027Cloud Belief Rule Base Model for Network Security Situation Prediction2016CTIP028Color Image Denoising via Discriminatively Learned Iterative Shrinkage ane-Level Localization2016CTIP030Compression of 3D Point Clouds Using a Region-Adaptive Hierarchical Transform2016CTIP031Compressive Sensing Image Restoration using Adaptive Curvelet Irresholding and Nonlocal Sparse Regularization2016CTIP033Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries2016			2010
CTIP019Intensity2016CTIP020Antipodally Invariant Metrics for Fast Regression-Based Super-Resolution2016CTIP021Architecture-Driven Level Set Optimization: From Clustering to Subpixel Image Segmentation2016CTIP022BIT: Biologically Inspired Tracker2016CTIP023Blind Quality Assessment of Tone-Mapped Images Via Analysis of Information, Naturalness, and Structure2016CTIP024CASAIR: Content and Shape-Aware Image Retargeting and Its Applications2016CTIP025CCR: Clustering and Collaborative Representation for Fast Single Image Recognition2016CTIP026Class-wise Sparse and Collaborative Patch Representation for Face Recognition2016CTIP027Cloud Belief Rule Base Model for Network Security Situation Prediction2016CTIP028Color Image Denoising via Discriminatively Learned Iterative Shrinkage ane-Level Localization2016CTIP030Compressive and Practical Vision System for Self-Driving Vehicle ransform2016CTIP031Compressive Sensing Image Restoration using Adaptive Curvelet Thresholding and Nonlocal Sparse Regularization2016CTIP033Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries2016	CTIP018		2016
CTIP021Architecture-Driven Level Set Optimization: From Clustering to Subpixel Image Segmentation2016CTIP022BIT: Biologically Inspired Tracker2016CTIP023Blind Quality Assessment of Tone-Mapped Images Via Analysis of Information, Naturalness, and Structure2016CTIP024CASAIR: Content and Shape-Aware Image Retargeting and Its Applications2016CTIP025CCR: Clustering and Collaborative Representation for Fast Single Image Super-Resolution2016CTIP026Class-wise Sparse and Collaborative Patch Representation for Face Recognition2016CTIP027Cloud Belief Rule Base Model for Network Security Situation Prediction Conspiementary Cohort Strategy for Multimodal Face Pair Matching ane-Level Localization2016CTIP029Comprehensive and Practical Vision System for Self-Driving Vehicle ane-Level Localization2016CTIP031Compression of 3D Point Clouds Using a Region-Adaptive Hierarchical Transform2016CTIP033Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries2016	CTIP019		2016
CTIP021Image Segmentation2016CTIP022BIT: Biologically Inspired Tracker2016CTIP023Blind Quality Assessment of Tone-Mapped Images Via Analysis of Information, Naturalness, and Structure2016CTIP024CASAIR: Content and Shape-Aware Image Retargeting and Its Applications2016CTIP025CCR: Clustering and Collaborative Representation for Fast Single Image Super-Resolution2016CTIP026Class-wise Sparse and Collaborative Patch Representation for Face Recognition2016CTIP027Cloud Belief Rule Base Model for Network Security Situation Prediction2016CTIP028Color Image Denoising via Discriminatively Learned Iterative Shrinkage2016CTIP030Comprehensive and Practical Vision System for Self-Driving Vehicle Lane-Level Localization2016CTIP031Compression of 3D Point Clouds Using a Region-Adaptive Hierarchical Transform2016CTIP032Compressive Sensing Image Restoration using Adaptive Curvelet Thresholding and Nonlocal Sparse Regularization2016CTIP033Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries2016	CTIP020	Antipodally Invariant Metrics for Fast Regression-Based Super-Resolution	2016
Image: Constraint of Constra	CTIP021		2016
CTIP023Information, Naturalness, and Structure2016CTIP024CASAIR: Content and Shape-Aware Image Retargeting and Its Applications2016CTIP025CCR: Clustering and Collaborative Representation for Fast Single Image Super-Resolution2016CTIP026Class-wise Sparse and Collaborative Patch Representation for Face Recognition2016CTIP027Cloud Belief Rule Base Model for Network Security Situation Prediction2016CTIP028Color Image Denoising via Discriminatively Learned Iterative Shrinkage Lane-Level Localization2016CTIP030Comprehensive and Practical Vision System for Self-Driving Vehicle Lane-Level Localization2016CTIP031Compression of 3D Point Clouds Using a Region-Adaptive Hierarchical Transform2016CTIP032Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries2016	CTIP022	BIT: Biologically Inspired Tracker	2016
CTIP024Applications2016CTIP025CCR: Clustering and Collaborative Representation for Fast Single Image Super-Resolution2016CTIP026Class-wise Sparse and Collaborative Patch Representation for Face Recognition2016CTIP027Cloud Belief Rule Base Model for Network Security Situation Prediction COMPlementary Cohort Strategy for Multimodal Face Pair Matching2016CTIP030Comprehensive and Practical Vision System for Self-Driving Vehicle Lane-Level Localization2016CTIP031Compressive Sensing Image Restoration using Adaptive Curvelet Thresholding and Nonlocal Sparse Regularization2016CTIP033Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries2016	CTIP023		2016
CTIP025Super-Resolution2016CTIP026Class-wise Sparse and Collaborative Patch Representation for Face Recognition2016CTIP027Cloud Belief Rule Base Model for Network Security Situation Prediction2016CTIP028Color Image Denoising via Discriminatively Learned Iterative Shrinkage2016CTIP029Complementary Cohort Strategy for Multimodal Face Pair Matching2016CTIP030Comprehensive and Practical Vision System for Self-Driving Vehicle Lane-Level Localization2016CTIP031Compression of 3D Point Clouds Using a Region-Adaptive Hierarchical Transform2016CTIP032Compressive Sensing Image Restoration using Adaptive Curvelet Thresholding and Nonlocal Sparse Regularization2016CTIP033Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries2016	CTIP024		2016
CTIP026Recognition2016CTIP027Cloud Belief Rule Base Model for Network Security Situation Prediction2016CTIP028Color Image Denoising via Discriminatively Learned Iterative Shrinkage2016CTIP029Complementary Cohort Strategy for Multimodal Face Pair Matching2016CTIP030Comprehensive and Practical Vision System for Self-Driving Vehicle Lane-Level Localization2016CTIP031Compression of 3D Point Clouds Using a Region-Adaptive Hierarchical Transform2016CTIP032Compressive Sensing Image Restoration using Adaptive Curvelet Thresholding and Nonlocal Sparse Regularization2016CTIP033Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries2016	CTIP025		2016
CTIP028Color Image Denoising via Discriminatively Learned Iterative Shrinkage2016CTIP029Complementary Cohort Strategy for Multimodal Face Pair Matching2016CTIP030Comprehensive and Practical Vision System for Self-Driving Vehicle Lane-Level Localization2016CTIP031Compression of 3D Point Clouds Using a Region-Adaptive Hierarchical Transform2016CTIP032Compressive Sensing Image Restoration using Adaptive Curvelet Thresholding and Nonlocal Sparse Regularization2016CTIP033Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries2016	CTIP026		2016
CTIP029Complementary Cohort Strategy for Multimodal Face Pair Matching2016CTIP030Comprehensive and Practical Vision System for Self-Driving Vehicle Lane-Level Localization2016CTIP031Compression of 3D Point Clouds Using a Region-Adaptive Hierarchical Transform2016CTIP032Compressive Sensing Image Restoration using Adaptive Curvelet Thresholding and Nonlocal Sparse Regularization2016CTIP033Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries2016	CTIP027	Cloud Belief Rule Base Model for Network Security Situation Prediction	2016
CTIP030Comprehensive and Practical Vision System for Self-Driving Vehicle Lane-Level Localization2016CTIP031Compression of 3D Point Clouds Using a Region-Adaptive Hierarchical Transform2016CTIP032Compressive Sensing Image Restoration using Adaptive Curvelet Thresholding and Nonlocal Sparse Regularization2016CTIP033Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries2016	CTIP028	Color Image Denoising via Discriminatively Learned Iterative Shrinkage	2016
CTIP030Lane-Level Localization2016CTIP031Compression of 3D Point Clouds Using a Region-Adaptive Hierarchical Transform2016CTIP032Compressive Sensing Image Restoration using Adaptive Curvelet Thresholding and Nonlocal Sparse Regularization2016CTIP033Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries2016	CTIP029	Complementary Cohort Strategy for Multimodal Face Pair Matching	2016
CTIP031Transform2016CTIP032Compressive Sensing Image Restoration using Adaptive Curvelet Thresholding and Nonlocal Sparse Regularization2016CTIP033Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries2016	CTIP030		2016
CTIP032 Thresholding and Nonlocal Sparse Regularization 2016 CTIP033 Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries 2016	CTIP031		2016
CTIP033 Independent Dictionaries 2016	CTIP032		2016
CTIP034 Content-Adaptive Steganography by Minimizing Statistical Detectability 2016	CTIP033		2016
	CTIP034	Content-Adaptive Steganography by Minimizing Statistical Detectability	2016

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CTIP035	Contrast Driven Elastica for Image Segmentation	2016
CTIP036	Contrast Enhancement by Nonlinear Diffusion Filtering	2016
CTIP037	Cross-View Action Recognition via Transferable Dictionary Learning	2016
CTIP038	DCT Inspired Feature Transform for Image Retrieval and Reconstruction	2016
CTIP039	Deep Ranking for Person Re-Identification via Joint Representation Learning	2016
CTIP040	Dense and Sparse Reconstruction Error Based Saliency Descriptor	2016
CTIP041	Depth Estimation Using a Sliding Camera	2016
CTIP042	Detection of Moving Objects Using Fuzzy Color Difference Histogram Based Background Subtraction	2016
CTIP043	Dimension Reduction With Extreme Learning Machine	2016
CTIP044	Discriminant Incoherent Component Analysis	2016
CTIP045	Discriminative Semantic Subspace Analysis for Relevance Feedback	2016
CTIP046	Dynamic Facial Expression Recognition with Atlas Construction and Sparse Representation	2016
CTIP047	Effective Active Skeleton Representation for Low Latency Human Action Recognition	2016
CTIP048	Efficient Vessel Feature Detection for Endoscopic Image Analysis	2016
CTIP049	Electrocardiogram signal denoising using non-local wavelet transform domain filtering	2016
CTIP050	Enhancing Sketch-Based Image Retrieval by Re-ranking and Relevance Feedback	2016
CTIP051	Face Aging Effect Simulation Using Hidden Factor Analysis Joint Sparse Representation	2016
CTIP052	Facial Sketch Synthesis Using Two-dimensional Direct Combined Model- based Face-Specific Markov Network	2016
CTIP053	Fast and Accurate Target Detection Based on Multiscale Saliency and Active Contour Model for High-Resolution SAR Images	2016

CTIP054	Fast and Provably Accurate Bilateral Filtering	2016
CTIP055	Fast Translation Invariant Multiscale Image Denoising	2016
CTIP056	Feature and Region Selection for Visual Learning	2016
CTIP057	Fingerprint Liveness Detection From Single Image Using Low Level Features and Shape Analysis	2016
CTIP058	FRESH—FRI-Based Single-Image Super-Resolution Algorithm	2016
CTIP059	Game Theory and Adaptive Steganography	2016
CTIP060	Guided Image Contrast Enhancement Based on Retrieved Images in Cloud	2016
CTIP061	HD Qatari ANPR System	2016
CTIP062	Holons Visual Representation for Image Retrieval	2016
CTIP063	Human Visual System-Based Saliency Detection for High Dynamic Range Content	2016
CTIP064	Hyperspectral Image Classification via JCR and SVM Models With Decision Fusion	2016
CTIP065	Illuminant-Based Transformed Spaces for Image Forensics	2016
CTIP066	Image Deblurring via Enhanced Low Rank Prior	2016
CTIP067	Image registration based on autocorrelation of local structure	2016
CTIP068	Image Segmentation Using Parametric Contours With Free Endpoints	2016
CTIP069	Interactive Image Segmentation Using Adaptive Constraint Propagation	2016
CTIP070	Iris Recognition Based on Human-Interpretable Features	2016
CTIP071	Joint Low-Rank and Sparse Principal Feature Coding for Enhanced Robust Representation and Visual Classification	2016
CTIP072	Layer-Based Approach for Image Pair Fusion	2016
CTIP073	Learn Sparse Dictionaries for Edit Propagation	2016
CTIP074	Learning of Multimodal Representations With Random Walks on the Click Graph	2016

CTIP075	Local Spectral Component Decomposition for Multi-Channel Image Denoising	2016
CTIP076	Local-Gravity-Face (<i>LG-face</i>) for Illumination-Invariant and Heterogeneous Face Recognition	2016
CTIP077	Lossless Compression of JPEG Coded Photo Collections	2016
CTIP078	Low-Delay Rate Control for Consistent Quality Using Distortion-Based Lagrange Multiplier	2016
CTIP079	Microwave Unmixing With Video Segmentation for Inferring Broadleaf and Needleleaf Brightness Temperatures and Abundances From Mixed Forest Observations	2016
CTIP080	Misaligned Image Integration With Local Linear Model	2016
CTIP081	Multiscale Edge Detection Using a Finite Element Framework for Hexagonal Pixel-Based Images	2016
CTIP082	Multivideo Object Cosegmentation for Irrelevant Frames Involved Videos	2016
CTIP083	Multi-View Object Extraction With Fractional Boundaries	2016
CTIP084	Multi-Viewpoint Panorama Construction with Wide-Baseline Images	2016
CTIP085	Noise Power Spectrum Measurements in Digital Imaging With Gain Nonuniformity Correction	2016
CTIP086	Nonconvex Nonsmooth Low Rank Minimization via Iteratively Reweighted Nuclear Norm	2016
CTIP087	Non-Local Auto-Encoder With Collaborative Stabilization for Image Restoration	2016
CTIP088	OCR Based Feature Extraction and Template Matching Algorithms for Qatari Number Plate	2016
CTIP089	One-Class Writer-Independent Offline Signature Verification Using Feature Dissimilarity Thresholding	2016
CTIP090	Optimization and Analysis of MPI Collective Communication on Fat-Tree Networks	2016
CTIP091	Patch-Based Video Denoising With Optical Flow Estimation	2016
CTIP092	Perceptual Visual Security Index Based on Edge and Texture Similarities	2016

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CTIP093	PiCode: a New Picture-Embedding 2D Barcode	2016
CTIP094	Post processing of Compressed Images via Sequential Denoising	2016
CTIP095	Reversible Data Hiding in Encrypted Image with Distributed Source Encoding	2016
CTTP096	Robust Blur Kernel Estimation for License Plate Images From Fast Moving Vehicles	2016
CTTP09/	Robust Edge-Stop Functions for Edge-Based Active Contour Models in Medical Image Segmentation	2016
CTIP098	Robust Image Hashing With Ring Partition and Invariant Vector Distance	2016
CTIP099	Robust Iris Segmentation Method Based on a New Active Contour Force With a Noncircular Normalization	2016
CTIP100	Robust multi-focus image fusion using multi-task sparse representation and spatial context	2016
CTIP101	Robust Point Set Matching for Partial Face Recognition	2016
$C^{T}P102$	Rotation Invariant Texture Description Using Symmetric Dense Microblock Difference	2016
CTIP103	Salient Region Detection via High-Dimensional Color Transform and Local Spatial Support	2016
CTIP104	Secure magnetic resonance image transmission and tumor detection techniques	2016
CTIP105	Secure Reversible Image Data Hiding over Encrypted Domain via Key Modulation	2016
CTIP106	Single image dehazing via multi-scale gradient domain contrast enhancement	2016
CTIP107	Single-Image Super-Resolution by Subdictionary Coding and Kernel Regression	2016
CTIP108	Spatial–Spectral Hyperspectral Image Classification Using Random Multiscale Representation	2016
CTIP109	Supervised Matrix Factorization Hashing for Cross-Modal Retrieval	2016

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CTIP110	Supervised Variational Model With Statistical Inference and Its Application in Medical Image Segmentation	2016
CTIP111	Surveillance Video Synopsis via Scaling Down Objects	2016
CTIP112	Suspecting Less and Doing Better: New Insights on Palmprint Identification for Faster and More Accurate Matching	2016
CTIP113	Tasking on Natural Statistics of Infrared Images	2016
CTIP114	Texture-Independent Long-Term Tracking Using Virtual Corners	2016
CTIP115	The application of NDT algorithm in sonar image processing	2016
CTIP116	Unsupervised Visual Hashing with Semantic Assistant for Content-based Image Retrieval	2016
CTIP117	Weakly Supervised Fine-Grained Categorization With Part-Based Image Representation	2016



VLSI

No.	Title	Year
CTV01	A 0.1–3.5-GHz Duty-Cycle Measurement and Correction Technique in 130-nm CMOS	2016
CTV02	A 3-D CPU-FPGA-DRAM Hybrid Architecture for Low-Power Computation	2016
CTV03	A 520k (18 900, 17 010) Array Dispersion LDPC Decoder Architectures for NAND-Flash Memory	2016
CTV04	A Cellular Network Architecture With Polynomial Weight Functions	2016
CTV05	A Configurable Parallel Hardware Architecture for Efficient Integral Histogram Image Computing	2016
CTV06	A Dynamically Reconfigurable Multi-ASIP Architecture for Multi-standard and Multimode Turbo Decoding	2016
CTV07	A Fast Fault-Tolerant Architecture for Sauvola Local Image Thresholding Algorithm Using Stochastic Computing	2016
CTV08	A Fast-Acquisition All-Digital Delay-Locked Loop Using a Starting-Bit Prediction Algorithm for the Successive-Approximation Register	2016
CTV09	A Fast-Transient Wide-Voltage-Range Digital-Controlled Buck Converter With Cycle-Controlled DPWM	2016
CTV10	A Fully Digital Front-End Architecture for ECG Acquisition System With 0.5 V Supply	2016
CTV11	A High Throughput List Decoder Architecture for Polar Codes	2016
CTV12	A High-Performance FIR Filter Architecture for Fixed and Reconfigurable Applications	2016
CTV13	A High-Speed FPGA Implementation of an RSD-Based ECC Processor	2016
CTV14	A High-Throughput Hardware Design of a One-Dimensional SPIHT Algorithm	2016
CTV15	A Low-Power Broad-Bandwidth Noise Cancellation VLSI Circuit Design for In-Ear Headphones	2016

CTV16	A Low-Power Robust Easily Cascaded PentaMTJ-Based Combinational and Sequential Circuits	2016
CTV17	A Mixed-Decimation MDF Architecture for Radix-2K Parallel FFT	2016
CTV18	A New Binary-Halved Clustering Method and ERT Processor for ASSR System	2016
CTV19	A New CDMA Encoding/Decoding Method for on-Chip Communication Network	2016
CTV20	A New Optimal Algorithm for Energy Saving in Embedded System With Multiple Sleep Modes	2016
CTV21	A New Parallel VLSI Architecture for Real-Time Electrical Capacitance Tomography	2016
CTV22	A Normal I/O Order Radix-2 FFT Architecture to Process Twin Data Streams for MIMO	2016
CTV23	A Novel Quantum-Dot Cellular Automata X-bit ×32-bit SRAM	2016
CTV24	A Performance Degradation Tolerable Cache Design by Exploiting Memory Hierarchies	2016
CTV25	A Real-Time Network-on-Chip Architecture With an Efficient GALS Implementation	2016
CTV26	A Robust Energy/Area-Efficient Forwarded-Clock Receiver With All- Digital Clock and Data Recovery in 28-nm CMOS for High-Density Interconnects	2016
CTV27	A Single-Ended With Dynamic Feedback Control 8T Subthreshold SRAM Cell	2016
CTV28	A Single-Stage Low-Dropout Regulator With a Wide Dynamic Range for Generic Applications	2016
CTV29	A Systematic Design Methodology of Asynchronous SAR AD	2016
CTV30	Algorithm and Architecture of Configurable Joint Detection and Decoding for MIMO Wireless Communications With Convolution Codes	2016
CTV31	An Add-On Type Real-Time Jitter Tolerance Enhancer for Digital Communication Receivers	2016

CTV32	An All-Digital Approach to Supply Noise Cancellation in Digital Phase- Locked Loop	2016
CTV33	An Efficient Single and Double-Adjacent Error Correcting Parallel Decoder for the (24,12) Extended Golay Code	2016
CTV34	Area-Aware Cache Update Trackers for Post silicon Validation	2016
CTV35	Code Compression for Embedded Systems Using Separated Dictionaries	2016
CTV36	Concept, Design, and Implementation of Reconfigurable CORDIC	2016
CTV37	Design and FPGA Implementation of a Reconfigurable 1024-Channel Channelization Architecture for SDR Application	2016
CTV38	Design and Implementation of High-Speed All-Pass Transformation-Based Variable Digital Filters by Breaking the Dependence of Operating Frequency on Filter Order	2016
CTV39	Design of a CMOS System-on-Chip for Passive, Near-Field Ultrasonic Energy Harvesting and Back-Telemetry	2016
CTV40	Design of a Network of Digital Sensor Macros for Extracting Power Supply Noise Profile in SoCs	2016
CTV41	Design of Modified Second-Order Frequency Transformations Based Variable Digital Filters With Large Cutoff Frequency Range and Improved Transition Band Characteristics	2016
CTV42	Design of Silicon Photonic Interconnect ICs in 65-nm CMOS Technology	2016
CTV43	Designing Tunable Subthreshold Logic Circuits Using Adaptive Feedback Equalization	2016
CTV44	Dual-Calibration Technique for Improving Static Linearity of Thermometer DACs for I/O	2016
CTV45	Efficiency Enablers of Lightweight SDR for MIMO Baseband Processing	2016
CTV46	Efficient Dynamic Virtual Channel Organization and Architecture for NoC Systems	2016
CTV47	Efficient Synchronization for Distributed Embedded Multiprocessors	2016

CTV48	EMDBAM: A Low-Power Dual Bit Associative Memory with Match Error and Mask Control	2016
CTV49	Energy-Efficient Floating-Point MFCC Extraction Architecture for Speech Recognition Systems	2016
CTV50	Enhanced Wear-Rate Leveling for PRAM Lifetime Improvement Considering Process Variation	2016
CTV51	Error Resilient and Energy Efficient MRF Message-Passing-Based Stereo Matching	2016
CTV52	Exploiting Intracell Bit-Error Characteristics to Improve Min-Sum LDPC Decoding for MLC NAND Flash-Based Storage in Mobile Device	2016
CTV53	Fault Tolerant Parallel FFTs Using Error Correction Codes and Parseval Checks	2016
CTV54	FCUDA-NoC : A Scalable and Efficient Network-on-Chip Implementation for the CUDA-to-FPGA Flow	2016
CTV55	Fixed-Point Computing Element Design for Transcendental Functions and Primary Operations in Speech Processing	2016
CTV56	Flexible DSP Accelerator Architecture Exploiting Carry-Save Arithmetic	2016
CTV57	Flexible ECC Management for Low-Cost Transient Error Protection of Last-Level Caches	2016
CTV58	Floating-Point Butterfly Architecture Based on Binary Signed-Digit Representation	2016
CTV59	Frequency-Boost Jitter Reduction for Voltage-Controlled Ring Oscillators	2016
CTV60	Full-Swing Local Bitline SRAM Architecture Based on the 22-nm FinFET Technology for Low-Voltage Operation	2016
CTV61	Glitch Energy Reduction and SFDR Enhancement Techniques for Low- Power Binary-Weighted Current-Steering DAC	2016
CTV62	GPU-Accelerated Parallel Sparse LU Factorization Method for Fast Circuit Analysis	2016
CTV63	Graph-Based Transistor Network Generation Method for Supergate Design	2016

CTV64	Hardware and Energy-Efficient Stochastic LU Decomposition Scheme for MIMO Receivers	2016
CTV65	High-Performance NB-LDPC Decoder With Reduction of Message Exchange	2016
CTV66	High-Performance Pipelined Architecture of Elliptic Curve Scalar Multiplication Over GF(2m)	2016
CTV67	High-Speed and Energy-Efficient Carry Skip Adder Operating Under a Wide Range of Supply Voltage Levels	2016
CTV68	High-Speed, Low-Power, and Highly Reliable Frequency Multiplier for DLL-Based Clock Generator	2016
CTV69	Hybrid LUT/Multiplexer FPGA Logic Architectures	2016
CTV70	Implementing Minimum-Energy-Point Systems With Adaptive Logic	2016
CTV71	Incorporating Process Variations Into SRAM Electromigration Reliability Assessment Using Atomic Flux Divergence	2016
CTV72	In-Field Test for Permanent Faults in FIFO Buffers of NoC Routers	2016
CTV73	Input-Based Dynamic Reconfiguration of Approximate Arithmetic Units for Video Encoding	2016
CTV74	Integrated Floating-Gate Programming Environment for System-Level ICs	2016
CTV75	Knowledge-Based Neural Network Model for FPGA Logical Architecture Development	2016
CTV76	Low-Cost High-Performance VLSI Architecture for Montgomery Modular Multiplication	2016
CTV77	Low-Energy Power-ON-Reset Circuit for Dual Supply SRAM	2016
CTV78	Low-Power ECG-Based Processor for Predicting Ventricular Arrhythmia	2016
CTV79	Low-Power FPGA Design Using Memoization-Based Approximate Computing	2016
CTV80	Low-Power Split-Radix FFT Processors Using Radix-2 Butterfly Units	2016
CTV81	Low-Power System for Detection of Symptomatic Patterns in Audio Biological Signals	2016

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CTV82	Low-Power Variation-Tolerant Nonvolatile Lookup Table Design	2016
CTV83	Low-Power/Cost RNS Comparison via Partitioning the Dynamic Range	2016
CTV84	LUT Optimization for Distributed Arithmetic-Based Block Least Mean Square Adaptive Filter	2016



Data Mining

No.	Title	Year
CTDM01	A Comprehensive Study on Willingness Maximization for Social Activity Planning with Quality Guarantee	2016
CTDM02	A Reversible Data Hiding Scheme Based on Code Division Multiplexing	2016
CTDM03	A Survey on Trajectory Data Mining: Techniques and Applications	2016
CTDM04	Automatically Mining Facets for Queries from Their Search Results	2016
CTDM05	Automatically Mining Facets for Queries from Their Search Results	2016
CTDM06	Classification-based Mining of Reusable Components on Software Product Lines	2016
CTDM07	Computing Tools and Techniques for Emergency Response	2016
CTDM08	Cross-Platform Identification of Anonymous Identical Users in Multiple Social Media Networks	2016
CTDM09	Cyberbullying Detection based on Semantic-Enhanced Marginalized Denoising Auto-Encoder	2016
CTDM10	DeyPoS: Deduplicatable Dynamic Proof of Storage for Multi-User Environment	2016
CTDM11	Efficient Algorithms for Mining Top-K High Utility Itemsets	2016
CTDM12	Extracting Cross-Ontology Weighted Association Rules from Gene Ontology Annotations	2016
CTDM13	Fault Diagnosis of Multimode Processes Based on Similarities	2016
CTDM14	Location Aware Keyword Query Suggestion Based on Document Proximity	2016
CTDM15	Mining Graphs for Understanding Time-Varying Volumetric Data	2016
CTDM16	Mining Health Examination Records — A Graph-based Approach	2016
CTDM17	Mining User-Aware Rare Sequential Topic Patterns in Document Streams	2016

CTDM18	Mining User-Aware Rare Sequential Topic Patterns in Document Streams	2016
CTDM19	Model of human knowledge extraction for a KBS using reasoning cases	2016
CTDM20	Object Discovery: Soft Attributed Graph Mining	2016
CTDM21	Online Ensemble Learning of Data Streams with Gradually Evolved Classes	2016
CTDM22	Pattern Based Sequence Classification	2016
CTDM23	Pattern mining in linked data by edge-labeling	2016
CTDM24	Predicting Student Performance Using Personalized Analytics	2016
CTDM25	Privacy-Preserving-Outsourced Association Rule Mining on Vertically Partitioned Databases	2016
CTDM26	Rating Prediction based on Social Sentiment from Textual Reviews	2016
CTDM27	Resolving Multi-Party Privacy Conflicts in Social Media	2016
CTDM28	Reversible Data Hiding in Encrypted Images With Distributed Source Encoding	2016
CTDM29	Scalable Semi-Supervised Learning by Efficient Anchor Graph Regularization	2016
CTDM30	Secure Reversible Image Data Hiding Over Encrypted Domain via Key Modulation	2016
CTDM31	Top-k Dominating Queries on Incomplete Data	2016
CTDM32	User Preference Learning for Online Social Recommendation	2016

Cloud Computing

No.	Title	Year
CTCC06	A Dynamical and Load-Balanced Flow Scheduling Approach for Big Data Centers in Clouds Systems	2016
CTCC07	A Modified Hierarchical Attribute-Based Encryption Access Control Method for Mobile Cloud Computing	2016
CTCC05	A Secure and Dynamic Multi-Keyword Ranked Search Scheme over Encrypted Cloud Data	2016
CTCC04	A Secure Anti-Collusion Data Sharing Scheme	2016
CTCC08	AMTS: Adaptive multi-objective task scheduling strategy in cloud computing	2016
CTCC09	An anomalous behavior detection model in cloud computing	2016
CTCC10	An Efficient File Hierarchy Attribute-Based Encryption Scheme in Cloud Computing	2016
CTCC11	An Efficient Privacy-Preserving Ranked Keyword Search Method	2016
CTCC12	Analysis of classical encryption techniques in cloud computing	2016
CTCC13	Attribute-Based Data Sharing Scheme Revisited in Cloud Computing	2016
CTCC14	CDA Generation and Integration for Health Information Exchange Based on Cloud	2016
CTCC15	CloudArmor: Supporting Reputation-Based Trust Management for Cloud Services	2016
CTCC16	Conditional Identity-Based Broadcast Proxy Re-Encryption and Its Application to Cloud Email	2016
CTCC03	Conjunctive Keyword Search With Designated Tester and Timing Enabled Proxy Re-Encryption Function for E-Health Clouds	2016
CTCC02	DeyPoS Deduplicatable Dynamic Proof of Storage for Multi-User Environments	2016

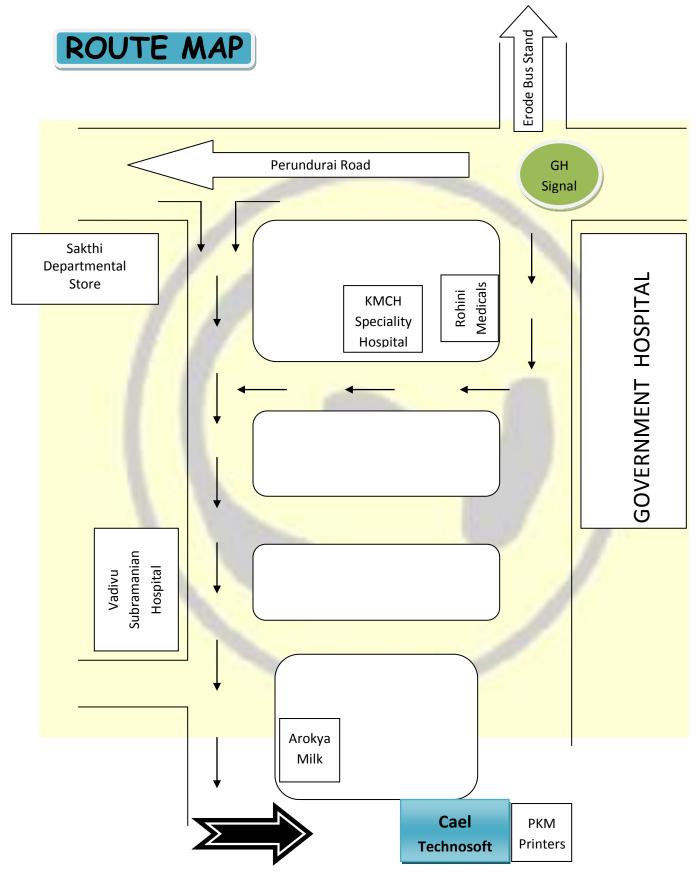
CTCC01	Dual-Server Public-Key Encryption With Keyword Search for Secure Cloud Storage	2016
CTCC17	Dynamic and Public Auditing with Fair Arbitration for Cloud Data	2016
CTCC18	Dynamic and Public Auditing with Fair Arbitration for Cloud Data	2016
CTCC19	Dynamic Operations of Cloud Radio Access Networks (C-RAN) for Mobile Cloud Computing	2016
CTCC20	Dynamic Resource Partitioning for Heterogeneous Multi-Core- BasedCloud Computing in Smart Cities	2016
CTCC21	Encrypted Data Management with Deduplication in Cloud Computing	2016
CTCC22	Energy-efficient Adaptive Resource Management for Real-time Vehicular Cloud Services	2016
CTCC23	Identity-Based Proxy-Oriented Data Uploading and Remote Data Integrity Checking in Public Cloud	2016
CTCC24	Model-Driven Development Patterns for Mobile Services in Cloud of Things	2016
CTCC25	Online Resource Scheduling Under Concave Pricing for Cloud Computing	2016
CTCC26	Online Resource Scheduling Under Concave Pricing for Cloud Computing	2016
CTCC27	Optimizing Cost for Online Social Networks on Geo-Distributed Clouds	2016
CTCC30	Protecting Your Right Verifiable Attribute-Based Keyword Owner- Enforced Search Authorization in the Cloud Search with Fine-Grained	2016
CTCC28	Secure Data Sharing in Cloud Computing Using Revocable-Storage Identity-Based Encryption	2016
CTCC29	Security in Cloud-Computing-Based Mobile Health	2016

Android

No.	Title	Year
CTAN01	An Exploration of Geographic Authentication Schemes	2016
CTAN02	Analyzing Ad Library Updates in Android Apps	2016
CTAN03	Authentication of Smartphone Users Using Behavioral Biometrics	2016
CTAN04	Designing a Secure Exam Management System (SEMS) for M-Learning Environments	2016
CTAN05	EPLQ: Efficient Privacy-Preserving Location-based Query over Outsourced Encrypted Data	2016
CTAN06	Examining the Relationship between FindBugs Warnings and End User Ratings: A Case Study On 10,000 Android Apps	2016
CTAN07	Intelligent Hands Free Speech based SMS System on Android	2016
CTAN08	MADAM: Effective and Efficient Behavior-based Android Malware Detection and Prevention	2016
CTAN09	PassBYOP: Bring Your Own Picture for Securing Graphical Passwords	2016
CTAN10	Privacy-Preserving Location Sharing Services for Social Networks	2016
CTAN11	Providing Privacy-Aware Incentives in Mobile Sensing Systems	2016
CTAN12	Read2Me: A Cloud- based Reading Aid for the Visually Impaired	2016
CTAN13	STAMP: Enabling Privacy-Preserving Location Proofs for Mobile Users	2016
CTAN14	Understanding Smartphone Sensor and App Data for Enhancing the Security of Secret Questions	2016

Mechanical

No.	Title	
CFD Analysis		
CTME01	A comparative study of finite journal bearing in laminar and turbulent regimes using CFD	
CTME02	Analysis of Heat transfer through fins of an IC Engine using CFD	
CTME03	Analysis on Fluid Characteristics of Friction Plate in Wet Multiplate Clutch Based on CFD	
CTME04	CFD Analysis of Double Pipe Heat Exchanger	
CTME05	CFD analysis of radiator	
CTME06	CFD analysis of tube in tube heat exchanger with fins	
CTME07	CFD Analysis on Heating and Cooling using Earth Air Heat Exchanger (EAHE)	
CTME08	CFD Based Analysis of Solar Air Heater Having V-Shaped Perforated Blocks on Absorber Plate	
CTME09	CFD thermal analysis for the optimal design of a marine diesel engine piston head	
CTME10	Computational analysis of notched fin array using natural convection	
CTME11	Design &CFD Analysis of Solar Flat Plate Collector	
CTME12	Design and Analysis of Keyway Cutting Fixture for Gears by using CFD	
CTME13	Design and CFD Analysis of Centrifugal Pump	
CTME14	Intercooler Heat Transfer Based on CFD	
CTME15	Shell side flow behavior analysis with in shell and tube heat exchanger usingCFD	



OPP TO VADIVU SUBRAMANIUM HOSPITAL, ERODE

78455 30500, 99421 30500, 94862 54194