



BLUE CHIP TECHNOLOGIES

Joining the Poles apart

MAT LAB

TECHNOLOGY:MATLAB

DOMAIN:IEEE TRANSACTIONS ON POWER ELECTRONICS

| S.NO | CODE | PROJECT TITLE | YEAR |
|------|--------|--|------|
| 1. | IPWR01 | DESIGN OF RESONANT INVERTERS FOR OPTIMAL EFFICIENCY OVER LAMP LIFE IN ELECTRONIC BALLAST WITH PHASE CONTROL. | 2007 |
| 2. | IPWR02 | A DISCHARGE LAMP MODEL BASED ON LAMP DYNAMIC CONDUCTANCE. | 2007 |
| 3. | IPWR03 | A PASSIVE 36-PULSE AC-DC CONVERTER WITH INHERENT LOAD BALANCING USING COMBINED HARMONIC VOLTAGE AND CURRENT INJECTION. | 2007 |

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Coimbatore: 9962 065 075, **Erode:** 9962 064 074, **Trichy:** 9962 063 073,

Salem: 9962 067 077, **Madurai:** 9962 060 070, **Tirunelveli:** 9962 061 071

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| 4. | IPWRO4 | A NEW PWM ZVS FULL-BRIDGE CONVERTER. | 2007 |
| 5. | IPWRO5 | EXTENDED OPERATION OF MULTI-LEVEL BASED FLYING CAPACITOR. | 2007 |
| 6. | IPWRO6 | IMPLEMENTATION SINGLE PHASE AC-AC MATRIX CONVERTER USING SPWM WITH DRASTIC LOAD CONDITIONS | 2006 |

TECHNOLOGY:MATLAB

DOMAIN:IEEE TRANSACTIONS ON POWER SYSTEMS

| S.NO | CODE | PROJECT TITLE | YEAR |
|------|---------|--|------|
| 1. | IALPS01 | A NEW PARTICLE SWARM OPTIMIZATION SOLUTION TO NONCONVEX ECONOMIC DISPATCH PROBLEMS. | 2007 |
| 2. | IALPS02 | VOLTAGE AND REACTIVE POWER ESTIMATION FOR CONTINGENCY ANALYSIS USING SENSITIVITIES. | 2007 |
| 3. | IALPS03 | IMPROVED GENETIC ALGORITHM FOR POWER ECONOMIC DISPATCH OF UNITS WITH VALVE-POINT EFFECTS AND MULTIPLE FUELS. | 2007 |
| 4. | IALPS04 | A GENETIC ALGORITHM FOR THE CORRECTIVE CONTROL OF VOLTAGE AND REACTIVE POWER. | 2006 |
| 5. | IALPS05 | AN OPTIMIZED ADAPTIVE NEURAL NETWORK FOR ANNUAL MIDTERM ENERGY FORECASTING. | 2006 |
| 6. | IALPS06 | A NOVEL APPROACH FOR UNIT | 2006 |

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| | | COMMITMENT PROBLEM VIA AN EFFECTIVE HYBRID PARTICLE SWARM OPTIMIZATION. | |
| 7. | IALPS07 | A NEW APPROACH TO ACTIVE POWER CALCULATION USING WAVELET COEFFICIENTS. | 2006 |
| 8. | IALPS08 | A MAXIMUM LOADING MARGIN METHOD FOR STATIC VOLTAGE STABILITY IN POWER SYSTEMS. | 2006 |
| 9. | IALPS09 | A PARTICLE SWARM OPTIMIZATION FOR ECONOMIC DISPATCH WITH NONSMOOTH COST FUNCTIONS. | 2005 |
| 10. | IALPS10 | GENETIC ALGORITHMS FOR OPTIMAL REACTIVE POWER COMPENSATION ON THE NATIONAL GRID SYSTEM. | 2005 |

TECHNOLOGY:MATLAB

DOMAIN:IEEE TRANSACTIONS ON IMAGE PROCESSING

| S.NO | CODE | PROJECT TITLE | YEAR |
|------|--------|--|------|
| 1. | IMIP01 | REVERSIBLE INTEGER COLOR TRANSFORM | 2007 |
| 2. | IMIP02 | IMAGE PROCESSING FOR A HIGH-RESOLUTION OPTOELECTRONIC RETINAL PROSTHESIS | 2007 |
| 3. | IMIP03 | A UNIVERSAL NOISE REMOVE ALGORITHM WITH AN IMPULSE | 2005 |

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| | | DETECTOR. | |
| 4. | IMIPO4 | FEATURE BASED WAVELET SHRINKING ALGORITHM FOR IMAGE DENOISING. | 2005 |
| 5. | IMIPO5 | IMAGE SHARING USING VISUAL CRPTOGRAPHY. | 2005 |
| 6. | IMIPO6 | A FAST METHOD AUTOMATED DETECTION OF BLOOD VESSELS AND LESIONS IN RETINAL IMAGES. | 2006 |
| 7. | IMIPO7 | MOTION ESTIMATION ALGORITHMS. | |
| 8. | IMIPO8 | COLOR PLANE INTERPOLATION USING ALTERNATING PROJECTIONS. | |
| 9. | IMIPO9 | DEMOSAICING BY SUCEESIVE APPROXIMATION. | |
| 10. | IMIP10 | FINGER PRINT IMAGE ENHANCEMENT ALGORITHM AND PERFORMANCE EVALUTION. | |
| 11. | IMIP11 | COLOR FILTER ARRAY DEMOSAIKING NEW METHOD AND PERFORMANCE MEASURES. | |
| 12. | IMIP12 | AN SVD BASED GRAYSCALE IMAGE QUALITY MEASURE FOR LOCAL AND GLOBAL ASSESMENT. | |
| 13. | IMIP13 | JPEG2000. | |
| 14. | IMIP14 | IMAGE AUTHENTICATION UNDER GEOMETRIC ATTACKS VIA STRUCTURE IMAGING. | |

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TECHNOLOGY:MATLAB

DOMAIN:IEEE TRANSACTIONS ON COMMUNICATION

| S.NO | CODE | PROJECT TITLE | YEAR |
|------|--------|--|------|
| 1. | IECO01 | PERFORMANCE ANALYSIS OF MULTICARRIER DS CDMA SYSTEMS | |
| 2. | IECO02 | SPACE TIME CODED SYSTEMS FOR WIRELESS COMMUNICATIONS | |
| 3. | IECO03 | PERFORMANCE OF MULTI-USER PHASED CHIRP MODULATION SPREAD SPECTRUM OVER FLAD FADDING CHANNELS | |
| 4. | IECO04 | ADAPTIVE DSCDMA RECEVIER FOR MULTIUSER DETECTION | |
| 5. | IECO05 | LINEAR MULTIUSER DETECTOR FOR SYNCRONUS CODE DIVISON MULTIPLE ACCESS CONTOL | |
| 6. | IECO06 | THROUGHPUT ENHANCEMENT FOR MULTI-MEDIA AD-HOC WLAN | |
| 7. | IECO07 | IMAGE DENOISING USING RUDIN OSHIN FATEMI MODEL BY TOTAL VARIATION MINIMIZATION | |

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