

2015 International Conference on Electrical Engineering and Information Communication Technology (ICEEICT 2015)

**Savar, Dhaka, Bangladesh
21-23 May 2015**

Pages 1-513



**IEEE Catalog Number: CFP1581X-POD
ISBN: 978-1-4673-6677-9**

TABLE OF CONTENTS

SINGLE ELECTRON TRANSISTORS (SET) SUBSTITUTING MOSFETS TO REDUCE POWER CONSUMPTION OF AN INVERTER CIRCUIT	1
<i>Alam, Ahmed Shariful ; Kamal, Abu Hena Md.Mustafa ; Rahman, Md.Abdur ; Shabbir, Md.Nasmus Sakib Khan ; Islam, Atiqul</i>	
A FUZZY CONTROLLED SHUNT ACTIVE POWER FILTER FOR REDUCING CURRENT HARMONICS AND REACTIVE POWER COMPENSATION.....	7
<i>Das Gupta, Udayan ; Das, Palash ; Hoque, Md.Ahsanul</i>	
STUDY AND ANALYSIS OF A SMALL SCALE MICRO-GRID USING RENEWABLE ENERGY RESOURCES.....	12
<i>Rashid, Aunanna ; Hasan, Nabil ; Parvez, Khandokar Tanvir ; Maruf, Md.Nasimul Islam</i>	
CLASSIFICATION OF EPILEPTIFORM EVENTS IN EEG SIGNALS USING NEURAL CLASSIFIER BASED ON SOM	16
<i>Azevedo, Cristiano R. ; Boos, Christine F. ; de Azevedo, Fernando M.</i>	
EXAMINING THE REFERENCES AND CITATIONS ACCURACY OF THE INVENTIVE ENGINEERING AND SCIENCES JOURNAL	21
<i>Basak, Sujit Kumar</i>	
A SYSTEMATIC APPROACH TO FIND THE OPTIMUM TILT ANGLE FOR MEETING THE MAXIMUM ENERGY DEMAND OF AN ISOLATED AREA	25
<i>Khan, Alimul Haque ; Islam, Maidul ; Islam, Asif ; Rahman, Mohammad Saifur</i>	
PERFORMANCE ANALYSIS OF JT-COMP TRANSMISSION IN HETEROGENEOUS NETWORK OVER UNRELIABLE BACKHAUL	31
<i>Ali, Md.Shipon ; Synthia, Mojaiana</i>	
NUMERICAL SIMULATION OF SILICON-GERMANIUM HETEROJUNCTION BIPOLAR TRANSISTOR (HBT) IN SILVACO/ATLAS AND ANALYSIS OF HBT BASE TRANSIT TIME TO ACHIEVE FASTER OPERATION	36
<i>Saha, Upoma ; Imteaz, Fahmi ; Saleque, Oishi Prova ; Shohag, Md.Mehedi Hassan ; Debnath, Bishwajit</i>	
DESIGN AND CONSTRUCTION OF SMART LOAD MANAGEMENT SYSTEM: AN EFFECTIVE APPROACH TO MANAGE CONSUMER LOADS DURING POWER SHORTAGE	40
<i>Labib ; Billah, Masum ; Islam, Md.Rafiqul ; Rana, G.M.Sultan Mahmud</i>	
HIGH GAIN ON-BODY PLANAR ANTENNA WITH COMPLETE GROUND PLANE FOR 5.5 GHZ WIRELESS MEDICAL DEVICES.....	44
<i>Sabrin, Sumyee ; Rahman, Md.Mostafizur</i>	
AN ALGORITHM FOR PAPR REDUCTION BY SLM TECHNIQUE IN OFDM WITH HADAMARD MATRIX ROW FACTOR	50
<i>Haque, Snikdho Sworov ; Mowla, Md.Munjure ; Hasan, Md.Mehedi ; Bain, Shaumendra Kumer</i>	
FAULT ANALYSIS AND DETECTION TECHNIQUES OF SOLAR CELLS AND PV MODULES	57
<i>Karim, Ishtiaq Ahmed</i>	
ANALYSIS OF SPEED CONTROL OF SERIES DC MOTOR USING DIVERTER AND OBSERVATION OF SPEED SATURATION POINT.....	61
<i>Mohammad, Adnan ; Billah, S.M.Baque</i>	
INTEGRATION OF WIND POWER IN SMART GRID, PERSPECTIVE: COX'S BAZAAR (BANGLADESH)	65
<i>Ahmed, Muktaadir ; Parvez, Md.Salahuddin ; Hossain, Md.Mozammel</i>	
STUDY OF CHANNEL LENGTH AND THICKNESS SCALING OF OMEGA GATE NANOWIRE FETS.....	69
<i>Hamid, H.M.Ashfiqul ; Nazim, Md.Saber ; Alam, M.K.</i>	
ENHANCEMENT OF POWER SYSTEM DAMPING EMPLOYING TCSC WITH GENETIC ALGORITHM BASED CONTROLLER DESIGN	73
<i>Alam, Md Shafiul ; Shafiullah, Md ; Hossain, Md Ismail ; Hasan, Md Nazmul</i>	
IMPACT OF SIZES OF ISLANDS ON THE STABILITY OF A FAULTED POWER SYSTEM	78
<i>Shafiullah, Md ; Hossain, Md Ismail ; Ahsan, Md Quamrul</i>	
SHORTEST PATH FINDING AND OBSTACLE DETECTION FOR VISUALLY IMPAIRED PEOPLE USING SMART PHONE	84
<i>Uddin, Md.Ashraf ; Suny, Ashraful Huq</i>	
STABILIZATION OF UNSTABLE PERIODIC ORBITS IN DC DRIVES.....	88
<i>Chakrabarty, Krishnendu ; Kar, Urmila</i>	
REALIZATION OF EXISTENCE OF TWO BUCK CHOPPER CIRCUITS IN A SINGLE PHASE SWITCH CONTROLLED FULL WAVE RECTIFIER.....	94
<i>Mohammad, Adnan ; Rahaman, Md.Shafieir ; Ahmed, Omar ; Aziz, Ashique Ibni ; Muntakim, Tahmid Ul ; Shaon, Mohammad Shahjalal</i>	
AN EFFECTIVE MODIFIED MODELING OF GRAPHENE INTERBAND CONDUCTIVITY.....	99
<i>Hossain, Md.Biplob ; Rana, Md.Masud</i>	
AN ASSESSMENT INCORPORATING WEIBULL DISTRIBUTION METHOD ON WIND ENERGY PROSPECTIVE AREAS OF BANGLADESH	102
<i>Reza, Syed Enam ; Reza, Nadim ; Zohura, Zakia Tuz ; Ahammad, Arif</i>	
A PROPOSED HYBRID RENEWABLE SYSTEM TO MINIMIZE POWER CRISIS FOR REMOTE AREA (KAMALCHOR, RANGAMATI HILL-TRACT).....	108
<i>Al Mamun, Khandakar Abdulla ; Uddin, Zia ; Guha, Likhon ; Ahmed, Shafait ; Mostafa, Sk.Md.Golam</i>	

GREEN SYNTHESIS OF SILVER NANOPARTICLES USING HIBISCUS LEAF EXTRACT AND ITS CHARACTERIZATION	112
<i>Nuri, Md.Touhidul Islam ; Rashid, A.K.M Bazlur</i>	
EFFECT OF DISPERSION COEFFICIENT ON UNDERWATER NETWORK SIZE ESTIMATION	116
<i>Hossain, Md.Khalid ; Anower, M.S. ; Rahman, M.M. ; Siraj, S.M.N.</i>	
SVD-KRYLOV BASED MODEL REDUCTION FOR TIME-VARYING PERIODIC DESCRIPTOR SYSTEMS	120
<i>Rahman, Ashfiqur ; Hossain, Mohammad-Sahadet</i>	
NUMBER RECOGNITION USING SALIENT FEATURES OF BETA RHYTHMIC EEG SIGNAL	126
<i>Nath, Debarati ; Uddin, Md.Bashir ; Rana, Muhammad Masud ; Biswas, Protik Chandra ; Wahed, Shabnam ; Ahmad, Mohiuddin</i>	
A NUMERICAL APPROACH TO ESTIMATE THE ACTUAL DEMAND OF UTILITY POWER IN CASE OF SYSTEMATIC DATA SCARCITY	132
<i>Shabbir, Md.Nasmus Sakib Khan ; Uddin, S.A.M.Burhan ; Hasan, Nayeem ; Islam, Thouhidul</i>	
DESIGNING OF BIOMASS BASED POWER PLANT FOR RESIDENTIAL BUILDING ENERGY SYSTEM.....	136
<i>Rahman, Hafezur ; Sharif, Md Rayhan ; Ahmed, Rifayat ; Nijam, Tamzid ; Shueb, Md.Asaduzzaman</i>	
SMALL SIGNAL STABILITY ANALYSIS OF POWER SYSTEM EQUIPPED WITH VSC BASED BACK TO BACK HVDC.....	142
<i>Andalib-Bin-Karim, Chowdhury ; Hossain, Muhammad Rizvi ; Adham, Mohammad Ibrahim ; Ahmed, Ashik</i>	
DETERMINATION OF MOST EFFECTIVE RHYTHM, DOMAIN & STIMULATION TECHNIQUE FOR NONINVASIVE BRAIN COMPUTER INTERFACE THROUGH SVM ALGORITHM	148
<i>Biswas, Protik Chandra ; Wahed, Shabnam ; Nath, Debarati ; Rana, Muhammad Masud ; Ahmad, Mohiuddin</i>	
WEARABLE ANTENNA WITH LOW SAR FOR 2.45 GHZ WIRELESS MEDICAL DEVICES AND ANALYSIS OF THE EFFECT OF DIFFERENT SPACING INTRODUCED.....	154
<i>Sabrin, Sumyee ; Rahman, Md.Mostafizur</i>	
DESIGN AND PERFORMANCE OF MINIATURIZED MEANDERED PATCH ANTENNA FOR IMPLANTABLE BIOMEDICAL APPLICATIONS.....	160
<i>Ferdous, Nayla ; Nainee, Nafisa Tabassum ; Hoque, Rashedul</i>	
HANDWRITTEN BANGLA NUMERAL RECOGNITION USING LOCAL BINARY PATTERN.....	164
<i>Hassan, Tasnuva ; Khan, Haider Adnan</i>	
IMPACT ANALYSIS OF DIFFERENT INPUTS AND OUTPUTS BLOCK SIZES OF DFT-SCFDMA SYSTEM.....	168
<i>Pervej, M.F. ; Sarkar, M.Z.I. ; Islam, Md Toufikul</i>	
A STUDY ON THE REACTIVE POWER CONTROL MECHANISM OF CURRENT SOURCE BOOST INVERTER FOR PHOTOVOLTAIC POWER SYSTEM	174
<i>Reza, Syed Enam ; Kaikobad, A.S.M. ; Mahabub, Abd-Al-Fattah-Ibne ; Nahid, Md.Mehadi Hassan ; Ahammad, Arif ; Rahimi, Md.Jakaria</i>	
FPGA IMPLEMENTATION OF MODIFIED TYPE-C PID CONTROL SYSTEM.....	179
<i>Saha, Shumit ; Jahiruzzaman, Md. ; Saha, Chandan ; Hosen, Md.Rubel ; Mahmud, Atiq</i>	
TOWARDS AN EFFICIENT FACE RECOGNITION APPROACH	185
<i>Hossain, Sarker Mohammad Sabbir ; Yousuf, Abu ; Sadi, Muhammad Sheikh</i>	
A GUIDED RANDOM FOREST BASED FEATURE SELECTION APPROACH FOR ACTIVITY RECOGNITION.....	190
<i>Uddin, Md.Taufeeq ; Uddiny, Md.Azher</i>	
REAL-TIME AREA BASED TRAFFIC DENSITY ESTIMATION BY IMAGE PROCESSING FOR TRAFFIC SIGNAL CONTROL SYSTEM: BANGLADESH PERSPECTIVE	196
<i>Uddin, Mohammad Shahab ; Das, Ayon Kumar ; Taleb, Md.Abu</i>	
HIGHLY NONLINEAR POLARIZATION MAINTAINING PHOTONIC CRYSTAL FIBER WITH HIGH NEGATIVE DISPERSION	201
<i>Shariar, Asif ; Hassan, Md.Mehadi</i>	
IMPLEMENTATION AND CONTROL OF LOW VOLTAGE DYNAMIC VOLTAGE RESTORER USING PARK'S TRANSFORMATION FOR COMPENSATING VOLTAGE SAG.....	207
<i>Alam, Md.Shahedul ; Siddiquee, S.M.Shahnewaz ; Islam, Md.Khurshedul ; Arafat, Md.Imam Mahadi ; Reza, Mortuza Hasan</i>	
A COMPARATIVE PERFORMANCE ANALYSIS OF INVERTED F ANTENNA USING DIFFERENT SUBSTRATES	211
<i>Islam, Md.Khadimul ; Rana, Md.Masud ; Inum, Reefat</i>	
DESIGN AND EVALUATION OF AN ELLIPTICAL PATCH TEXTILE ANTENNA FOR RFID APPLICATION AND BENDING CONSEQUENCES	215
<i>Shehab, Shahriar Hasan ; Hassan, Shahreen ; Oni, Md.Ashif Islam ; Dey, Shuvashis ; Hassan, Md.Munir</i>	
PERFORMANCE EVALUATION OF VARIABLE THRESHOLD DECODING ON SELF-ORTHOGONAL CONVOLUTIONAL CODES.....	219
<i>Ahmed, Toufiq ; Ullah, Muhammad Ahsan</i>	
BENGALI CHARACTER BASED DIGITAL CLOCK USING 8×8 DOT MATRIX DISPLAY	224
<i>Kader, M.A. ; Al Monsur, A. ; Moinuddin, M. ; Iqbal, Sayed Allmah ; Alamgir, Mohammad Shah</i>	
HUMAN ACTIVITY RECOGNITION FROM WEARABLE SENSORS USING EXTREMELY RANDOMIZED TREES	228
<i>Uddin, Md.Taufeeq ; Uddiny, Md.Azher</i>	
AN EMBEDDED APPROACH TO VISUAL PROSTHESIS CHIP	234
<i>Sefat, Md.Syadus ; Shahjahan, Md.</i>	
A HAND GESTURE RECOGNITION TECHNIQUE FROM REAL TIME VIDEO	239
<i>Sefat, Md.Syadus ; Shahjahan, Md.</i>	

NUMERICAL ANALYSIS ON VIBRATIONAL PROPERTIES OF VACANCY-TYPE DISORDERED GRAPHANE	243
<i>Islam, Md.Sherajul ; Bhuiyan, Ashrafal G. ; Fahim-Al-Fattah, Md. ; Hashimoto, Akihiro</i>	
NETWORK FLOW OPTIMIZATION BY GENETIC ALGORITHM AND LOAD FLOW ANALYSIS BY NEWTON RAPHSON METHOD IN POWER SYSTEM	248
<i>Hossain, Md Razuan ; Kaiser, M.Shamim ; Ali, Fahmid Iftekhher ; Rizvi, Md Monjurul Alam</i>	
THE DESIGN OF EXPRESSIVE INTELLIGENT AGENT FOR HUMAN-COMPUTER INTERACTION.....	253
<i>Alam, Lamia ; Hoque, Mohammed Moshiul</i>	
REAL TIME MOUSE CURSOR CONTROL BASED ON BARE FINGER MOVEMENT USING WEBCAM TO IMPROVE HCI	259
<i>Reza, M.Nahid ; Hossain, Md.Sohorab ; Ahmad, Mohiuddin</i>	
INHERENT FEATURES EXTRACTION FOR DIFFERENT COLORS STIMULATION OF EEG SIGNAL	264
<i>Rana, Muhammad Masud ; Islam, Monira ; Nath, Debarati ; Wahed, Shabnam ; Biswas, Protik Chandra ; Ahmad, Mohiuddin</i>	
STUDY ON EFFICIENCY ENHANCEMENT OF RESONANT COUPLED WIRELESS POWER TRANSMISSION USING TWO-SIDE IMPEDANCE MATCHING	270
<i>Das Barman, Surajit ; Ahmed, Toufiq ; Ripon, Ahasanul Haque</i>	
OPTIMIZED HYBRID RENEWABLE ENERGY SYSTEM FOR EFFICIENT INDUSTRIAL ELECTRIFICATION	276
<i>Siddiquee, S.M.Shahnewaz ; Alam, Md.Shahedul ; Islam, Md.Khurshedul ; Reza, Mortuza Hasan ; Al Arafat, Mohsin</i>	
DESIGN AND IMPLEMENTATION OF A PROTOTYPE ELECTROOCULOGRAPHY BASED DATA ACQUISITION SYSTEM	281
<i>Mondal, Chayan ; Azam, Md.Kawsar ; Ahmad, Mohiuddin ; Hasan, S.M.Kamrul ; Islam, Md.Rabiul</i>	
AUTOMATIC GENERATION CONTROL OF TWO AREA POWER SYSTEM WITH OPTIMIZED GAIN PARAMETERS	287
<i>Masrur, Hasan ; Ferdoush, Asif ; Rabbani, M.G.</i>	
DECODING HUMAN BRAIN STATES USING TRANSCRANIAL DOPPLER ULTRASONOGRAPHY	292
<i>Islam, Ashrafal ; Ahmed, Eshtiaq ; Islam, Ashfaqul ; Lu, Jie ; Sarkar, Farhana ; Mamun, Khondaker A.</i>	
MATHEMATICAL MODELING OF HUMAN EMOTIONS USING SUB-BAND COEFFICIENTS OF WAVELET ANALYSIS	298
<i>Islam, Monira ; Ahmad, Mohiuddin ; Yusuf, Md.Salah Uddin ; Ahmed, Tazrin</i>	
INVESTIGATING THE CHALLENGES OF DYNAMIC SPECTRUM ACCESS IN COGNITIVE RADIO-ENABLED VEHICULAR AD HOC NETWORKS (CR-VANETS)	304
<i>Sohan, Tareq Anwer ; Haque, Hasib Hamidul ; Hasan, Md.Asif ; Islam, Md.Jahidul</i>	
PROPOSAL OF SIMPLE GAS SENSOR BASED ON MICRO STRUCTURE OPTICAL FIBER	310
<i>Morshed, Monir ; Asaduzzaman, Sayed ; Arif, Md.Faizul Huq ; Ahmed, Kawsar</i>	
ELECTRONIC SPEAKING SYSTEM FOR SPEECH IMPAIRED PEOPLE: SPEAK UP	315
<i>Ahmed, Safayet ; Islam, Rafiqul ; Zishan, Md.Saniat Rahman ; Hasan, Mohammed Rabiul ; Islam, Md.Nahian</i>	
MUSCLE ACTIVITY ESTIMATION THROUGH SURFACE EMG ANALYSIS DURING SALAT	319
<i>Khanam, Farzana ; Islam, Shadli ; Rahman, Md.Asadur ; Ahmad, Mohiuddin</i>	
EXPERIMENTAL STUDY OF ZINC OXIDE THIN FILM FABRICATED BY EVAPORATION METHOD	325
<i>Islam, Md.Shahidul ; Hossain, Md.Faruk ; Saha, Dilip Kumar</i>	
PREPARATION OF HEXAGONAL ZINC OXIDE NANORODS BY UNCOVERED HYDROTHERMAL METHOD ON SEEDLESS GLASS SUBSTRATE	329
<i>Hossain, Md.Faruk ; Hossein, Md.Tarek</i>	
SMARTTRAVEL: AN APPROACH TO REDOLANT TRANSPORTATION GUIDING APPLICATION IN CONTEXT OF BANGLADESH USING OPENSTREETMAP	333
<i>Imteaj, Ahmed ; Chowdhury, Mahfuzulhoq ; Mahamud, Md.Arafin</i>	
TEXTILE-WASTED WATER CLEANING BY HANDMADE SCREEN PRINTED TIO₂ NANOPARTICLES	338
<i>Hossain, M.F. ; Hossain, M.I.</i>	
DESIGN AND PERFORMANCE ANALYSIS OF L-SHAPED PATCH ANTENNA ARRAY	342
<i>Rashid, Mamunur ; Hossain, Md.Selim ; Sakib, Nazmus ; Russel, M</i>	
EFFECTS OF SLEEPING POSITIONS ON CARDIAC OUTPUT AND CARDIAC ACTIVITY ANALYZING BLOOD PERFUSION	347
<i>Khan, Shabaz ; Uddin, Md.Bashir</i>	
PERFORMANCE ANALYSIS AND INVESTIGATION OF OPTIMUM LINK DISTANCE FOR POINT-TO-POINT FREE SPACE OPTICAL LINK IN DIFFERENT WEATHER CONDITIONS.....	352
<i>Islam, Md.Nur ; Bhuiyan, Md.Nur-Al-Safa</i>	
DISSIPATION OF WASTE USING DYNAMIC PERCEPTION AND ALARMING SYSTEM: A SMART CITY APPLICATION	357
<i>Imteaj, Ahmed ; Chowdhury, Mahfuzulhoq ; Mahamud, Md.Arafin</i>	
SOFT ERROR TOLERANCE USING HORIZONTAL-VERTICAL-DOUBLE-BIT DIAGONAL PARITY METHOD	362
<i>Rahman, Md.Shamimur ; Sadi, Muhammad Sheikh ; Ahammed, Sakib ; Jurjens, Jan</i>	
MODELING AND ANALYSIS OF MAXIMUM POWER POINT TRACKING ALGORITHMS USING MATLAB/SIMULINK.....	368
<i>Bipu, Md.Rashed Hassan ; Chowdhury, Syed Mohammad Sifat Morshed ; Dautta, Manik ; Nain, Md.Zulkar ; Khan, Shahidul Islam</i>	
OPTIMIZATION OF A DIRECT-DRIVE WIND POWER GENERATION SYSTEM BY USING PMSG	374
<i>Tasneem, Zinat ; Rafi, Shaful Hasan ; Sheikh, M.R.I.</i>	
INVESTIGATION OF MULTIBAND ANTENNA FOR WIRELESS COMMUNICATION	379
<i>Hasan, Md.Mehedi ; Hasan, Md.Raqibull ; Tabassum, Ruchira</i>	

PERFORMANCE EVALUATION BASED ON GAME THEORETICAL FRAMEWORK FOR INTERFERENCE MANAGEMENT IN HETEROGENEOUS NETWORK	384
<i>Shifat, A.S.M.Zadid ; Al Zobery, Rashed ; Rahman, Md.Asadur ; Chowdhury, Mostafa Zaman</i>	
AN EFFECTIVE COMPACT-FDTD WIDEBAND MODELING OF GRAPHENE CONDUCTIVITY	390
<i>Hossain, Md.Biplob ; Rana, Md.Masud</i>	
ECG BASED BIOMETRIC HUMAN IDENTIFICATION USING CHAOTIC ENCRYPTION.....	393
<i>Jahiruzzaman, Md. ; Hossain, A.B.M.Aowlad</i>	
DC AND RF CHARACTERISTICS OF GRAPHENE FET USING ANALYTICAL APPROACH	398
<i>Fahim-Al-Fattah, Md. ; Rahman, Md.Tawabur ; Islam, Md.Sherajul ; Bhuiyan, AG ; Khan, Asif Abdullah</i>	
COMPARATIVE STUDY OF DENOISING TECHNIQUES FOR FACIAL IMAGE USING QUALITY MEASUREMENT	402
<i>Yasmin, Sabina ; Rana, Masud</i>	
EFFICIENT SEARCH POINTS REDUCTION AND RANKING OF MOTION ESTIMATION ALGORITHMS IN VIDEO CODING	406
<i>Yusuf, Md.Salah Uddin ; Ahmad, Mohiuddin</i>	
AN EFFICIENT INTER MODE DECISION ALGORITHM FOR H.264/AVC ENCODING OPTIMIZATION	412
<i>Yusuf, Md.Salah Uddin ; Ahmad, Mohiuddin</i>	
MODELLING AND ANALYTICAL STUDIES ON GRAPHENE BASED SUPERCAPACITOR COMPARING WITH TRADITIONAL BATTERIES	418
<i>Barua, Sourav ; Chowdhury, Asif Ahmed ; Nur-e-Tanjim ; Rahman, Arif ; Banik, Saju ; Tasim, Md.Saiful Islam</i>	
RENEWABLE INTEGRATED HYBRID POWER MANAGEMENT FOR OFF GRID BASE TRANSCIEVER STATION (BTS): MICROCONTROLLER BASED	424
<i>Kabir, Sakib ; Islam, Md.Shoriful ; Aminuzzaman, Md. ; Ahmed, Anim ; Khan, Md.Rajibul Hassan</i>	
ELECTRICITY DEMAND FORECASTING OF RAJSHAHI CITY IN BANGLADESH USING FUZZY LINEAR REGRESSION MODEL.....	428
<i>Sarkar, Md.Rasel ; Rabbani, Md.Golam ; Khan, Anisur Rahman ; Hossain, Md.Mosharraf</i>	
DYNAMICALLY RECONFIGURABLE PARALLEL ARCHITECTURE IMPLEMENTATION OF 2D CONVOLUTION FOR IMAGE PROCESSING OVER FPGA	431
<i>Jahiruzzaman, Md. ; Saha, Shumit ; Hawlader, Md.Abul Khayum</i>	
DISPERSION COMPENSATING PHOTONIC CRYSTAL FIBER FOR TELECOMMUNICATION BAND WITH A DISPERSION COMPENSATION OVER 300 NM BANDWIDTH.....	437
<i>Bappy, S.M.Shahriar ; Huq, Md.Mahmudul ; Rahman, MOHD.Ebadur ; Shariar, Asif</i>	
AGE CLASSIFICATION BASED ON EMG SIGNAL USING ARTIFICIAL NEURAL NETWORK	442
<i>Hosen, Md.Rubel ; Hasan, Sabbir ; Hasan, Md.Mehedi ; Das, Rupak Kumar</i>	
AN EFFICIENT GENETIC ALGORITHM FOR DISCOVERING DIVERSE-FREQUENT PATTERNS	447
<i>Khatun, Shanjida ; Ul Alam, Hasib ; Shatabda, Swakkhar</i>	
SINGLE CHANNEL ELECTROOCULOGRAPHY BASED HUMAN-COMPUTER INTERFACE FOR PHYSICALLY DISABLED PERSONS.....	454
<i>Banik, Partha Pratim ; Azam, Md.Kawsar ; Mondal, Chayan ; Rahman, Md.Asadur</i>	
INVESTIGATION OF NH4F CONCENTRATION EFFECTS ON TIO2 NANOTUBE ARRAYS FABRICATED BY ANODE OXIDATION METHOD	460
<i>Hossain, Md.Faruk ; Ahasan, Muhammad Saleh</i>	
ANALYSIS OF LIGHTNING SURGE CHARACTERISTICS FOR TYPICAL MOBILE PHONE TOWER	465
<i>Islam, Md.Zoyheroul ; Yusuf, Md.Salah Uddin</i>	
JUSTIFICATIONS OF LINK ADAPTABILITY OF OFDM MODULATION SCHEME FOR DIFFERENT CHANNEL ENVIRONMENT	470
<i>Ahamed, Jamal Uddin ; Rahman, Md.Ashiqur ; Awal, Mohammad Abdul</i>	
COMMUNITY FRIEND: AN EMPIRICAL APPROACH TO SOLVE COMMUNITY PROBLEMS OF BANGLADESH	476
<i>Chowdhury, Mahfuzulhoq ; Imteaj, Ahmed ; Patwary, Kamrul Hossain ; Zaman, Saika</i>	
OPTIMIZATION OF MICROCONTROLLER BASED DIGITALIZED DIPPING AND WITHDRAWING SYSTEM FOR SOL-GEL METHOD	482
<i>Hossain, Md.Faruk ; Johra, Ayesha Tuz</i>	
PERFORMANCE COMPARISON OF SI AND GE NANOWIRE FET: A NEGF STUDY	487
<i>Iztihad, Hossain Md. ; Khan, Touhid ; Sufian, Abu ; Alam, Md.Nur Kutubul ; Mollah, Md.Nurunnabi ; Islam, Md.Rafiqul</i>	
FAULT DETECTION AND LOCALIZATION OF 8 BIT DIGITAL TO ANALOG CONVERTER	491
<i>Asha, Saima Qucer ; Yasmin, Farzana ; Electrical, Naureen Rahman ; Rahman, Hamidur</i>	
CFD APPROACH TO ANALYZE THE AERODYNAMICS POTENTIALITY OF ROTARY LEADING EDGE AIRCRAFT WING AT DIFFERENT ANGLE OF ATTACK	497
<i>Salam, Md.Abdus ; Barman, Shuvrodeb ; Atique, Md Saifuddin Ahmed ; Nafi, Asif Shahriar ; Probha, Nafisa Nawal ; Faisal, Kh.Md.</i>	
THE ROLE OF HVDC TO ENHANCE ENERGY MANAGEMENT ISSUES AND MAINTAIN POWER SYSTEM STABILITY IN BANGLADESH	503
<i>Faysal, Azizul Haque ; Archie, Labiba Masooda ; Al Imran, Sheikh ; Khan, Rafiul Hasan ; Mohammad, Adnan</i>	
SPEEDED-UP ROBUST FEATURE EXTRACTION AND MATCHING FOR FINGERPRINT RECOGNITION	507
<i>Hany, Umma ; Akter, Lutfa</i>	
PRODUCTION AND TESTING OF DYE SENSITIZED SOLAR CELL.....	514
<i>Khan, Md.Imran ; Basir, Al ; Rahman, Syed Khalid ; Rahat, Khondaker ; Huq, Mozammel</i>	
PROSPECT AND IMPLEMENTATION OF TELEMEDICINE CENTERS IN SOUTH ASIAN COUNTRIES.....	517
<i>Jafar, Imran Bin ; Shahin, Md.Zahidul Islam ; Chakraborty, Partha</i>	

A HYBRID SVD-DWT-DCT BASED METHOD FOR IMAGE COMPRESSION AND QUALITY MEASUREMENT OF THE COMPRESSED IMAGE	522
<i>Afroze, Sharmin ; Jahan, Sabrin ; Chowdhury, Anuva</i>	
MOVING CAST SHADOW DETECTION AND REMOVAL FROM VIDEO BASED ON HSV COLOR SPACE	526
<i>Kar, Animesh ; Deb, Kaushik</i>	
BANGLACLOUD: A CLOUD INFRASTRUCTURE WITH ABANDONED COMPUTERS	532
<i>Azad, Md.Abul Kalam ; Islam, Nahid ; Ahmed, Nova</i>	
ANALYSIS OF DOP AND ITS PRECISENESS IN GNSS POSITION ESTIMATION	537
<i>Tahsin, Mahdia ; Sultana, Sunjida ; Reza, Tasmia ; Hossam-E-Haider, Md</i>	
HETEROGENEOUS SENSOR DEPLOYMENT STRATEGY BASED ON OPTIMAL CONTROL THEORY	543
<i>Mozumdar, Pritom ; Helal, Taynan Sabri ; Ababnah, Ahmad ; Akter, Lutfa</i>	
SYNTHESIS OF FERROELECTRIC LEAD ZIRCONATE TITANATE, PB [ZR_{0.52}Ti_{0.48}]O₃ (PZT) THIN FILM ON GOLD SUBSTRATE BY SOL-GEL METHOD	549
<i>Rahman, M.F. ; Miglioni, L.</i>	
STUDY OF SINGLE JUNCTION SOLAR CELL CHARACTERISTICS VARYING DIFFERENT PARAMETERS	552
<i>Talukdar, Tahmid Hassan ; Siddique, Rishad ; Hasan, Mehedi</i>	
FREQUENCY RESPONSE BASED TUNING OF POWER SYSTEM STABILIZER TO MITIGATE LOW FREQUENCY OSCILLATION	556
<i>Ferdoush, Asif ; Hasan, Mahmood ; Rabbani, M.G. ; Alamgir, A K M</i>	
IMPACT OF TIMING JITTER ON THE BER PERFORMANCE OF AN M-PPM FREE SPACE OPTICAL LINK IN PRESENCE OF ATMOSPHERIC TURBULENCE	562
<i>Islam, A.K.M.Nazrul ; Majumder, S.P.</i>	
IMPLEMENTATION OF 2D TORUS AUTOMORPHISMS FOR IMAGE ENCRYPTION ON FPGA	566
<i>Jahiruzzaman, Md. ; Hossain, A.B.M.Aowlad ; Saha, Shumit</i>	
BLDC MOTOR CONTROLLER FOR REGENERATIVE BRAKING	571
<i>Mohammad, Adnan ; Khan, Md.Ziaur Rahman</i>	
EFFECT OF DIVERSE STIMULATIONS OF BRAIN ON EEG SIGNAL FOR SSVEP BASED BRAIN COMPUTER INTERFACE	577
<i>Hasan, Md.Kamrul ; Hossain, Toufiq Md. ; Faisal, Abdul Kader ; Ahmad, Mohiuddin</i>	
DESIGN AND IMPLEMENTATION OF 3-LEAD ECG MACHINE FOR RURAL MEDIFICATION	583
<i>Jobayer, Ali Mohammed ; Bordhan, Shishir ; Islam, Md.Towhidul ; Das, Nipu Kumar</i>	
DESIGNING AND DEVELOPMENT OF VOICE TO MACHINE INTERFACING TECHNIQUE	589
<i>Rahman, Mohammad Mahfujur ; Haque, A.K.M Fazlul ; Hasan, Mahmudul ; Sultana, Najnin ; Islam, Md.Zahirul</i>	
TRACKINFO: FINDING RELEVANT INFORMATION FROM HIGH VELOCITY DATA OF SOCIAL NETWORK	593
<i>Rahman, Md.Khaledur</i>	
DESIGN AND IMPLEMENTATION OF IRIS RECOGNITION BASED ATTENDANCE MANAGEMENT SYSTEM	599
<i>Khatun, Amena ; Haque, A.K.M.Fazlul ; Ahmed, Sabbir ; Rahman, Mohammad Mahfujur</i>	
A PSO BASED TRANSPORTATION NETWORK DESIGN OPTIMIZATION OF THE MEGA CITY DHAKA	605
<i>Akhand, M.A.H. ; Shill, P.C. ; Sabuj, M.S. ; Afrin, Z. ; Rahman, M.M.Hafizur</i>	
SAFE LABELING OF GRAPHS WITH MINIMUM SPAN	612
<i>Habiba, Umma ; Rahman, Md.Saidur ; Lamia, Shah Hasnat ; Chowdhury, Tahmima</i>	
CRYSTALLOGRAPHIC ORIENTATION-DEPENDENT OPTICAL PROPERTIES OF INGAAS/GAAS QUANTUM WELL	616
<i>Roy, Sourav ; Ahsan, S.M.Tasmeeh ; Sakib, Nazmus</i>	
INNOVATIVE APPROACH IN WEB APPLICATION EFFORT & COST ESTIMATION USING FUNCTIONAL MEASUREMENT TYPE	622
<i>Reza, Sayed Mohsin ; Rahman, Md.Mahfujur ; Parvez, Md.Hasnat ; Kaiser, M.Shamim ; Al Mamun, Shamim</i>	
OUTAGE CAPACITY ANALYSIS OF MC-CDMA BASED ON COGNITIVE RADIO NETWORK	629
<i>Kabir, Md.Alongir ; Kaiser, M.Shamim</i>	
PERFORMANCE ANALYSIS OF OPTIMAL EVEN BIT TRIANGULAR QUADRATURE AMPLITUDE MODULATION	634
<i>Bashar, Saqib Shadman ; Hossam-E-Haider, Md</i>	
DESIGNING A FOCUSED INTENSE LIGHT BEAM BY MICRO-PATTERNING FRESNEL ZONE PLATE IN OPTICAL FIBER	638
<i>Hasan, Mahedi ; Sarker, Anup ; Ahmad, S.M.Faisal ; Yadav, Arpana ; Ahsan, Md.Shamim ; Sohn, Ik-Bu</i>	
RENEWABLE ENERGY SCENARIO IN BANGLADESH: OPPORTUNITIES AND CHALLENGES	644
<i>Rahim, Md.Mohai Menur ; Hosam-E-Haider, Mohammed</i>	
BANGLA HANDWRITTEN NUMERAL RECOGNITION USING CONVOLUTIONAL NEURAL NETWORK	650
<i>Akhand, M.A.H. ; Rahman, Md.Mahbubar ; Shill, P.C. ; Islam, Shahidul ; Hafizur Rahman, M.M.</i>	
AN ENERGY EFFICIENT AND RELIABLE CLUSTER-BASED ADAPTIVE MAC PROTOCOL FOR UWSN	655
<i>Zenia, Nusrat Z. ; Kaiser, M.S. ; Ahmed, M.R. ; Mamun, S.A. ; Islam, M.S.</i>	
DENOISING ECG SIGNAL USING DIFFERENT WAVELET FAMILIES AND COMPARISON WITH OTHER TECHNIQUES	662
<i>Biswas, Uzzal ; Hasan, Kazi Reyadul ; Sana, Biswajit ; Maniruzzaman, Md.</i>	
PERFORMANCE EVALUATION OF A FREE SPACE OPTICAL (FSO) COMMUNICATION SYSTEM IMPAIRED BY ATMOSPHERIC EFFECTS	668
<i>Moyen-ul-Ahsan ; Rifat, Manazir Ahasan ; Forhan-Bin-Emdad ; Majumder, S.P.</i>	

DECENTRALIZED WIND-PV-DIESEL BASED HYBRID POWER GENERATION	674
<i>Rahman, M.M.Atiqur ; Al Awami, Ali T.</i>	
GENE REGULATORY NETWORK INFERENCE INCORPORATING MAXIMAL INFORMATION COEFFICIENT INTO MINIMAL REDUNDANCY NETWORK	679
<i>Akhand, M.A.H. ; Nandi, R.N. ; Amran, S.M. ; Murase, K.</i>	
DYNAMIC MULTI-THREAD SCHEDULING ALGORITHM FOR BETTER PERFORMANCE OF THE ALCHEMI TOOLKIT.....	683
<i>Arafat, Muhammad Yeasir ; Yaduv, Dinesh Kumar</i>	
RANDOMLY ENCRYPTED KEY GENERATION ALGORITHM AGAINST SIDE CHANNEL ATTACK IN CLOUD COMPUTING	689
<i>Rashid, Md.Bajlur ; Islam, Nazrul ; Sabuj, Abdullah Al Mahedi ; Waheed, Sajjad ; Miah, Mohammad Badrul Alam</i>	
EFFECT OF SIGNAL LENGTH IN CROSS-CORRELATION BASED UNDERWATER NETWORK SIZE ESTIMATION	694
<i>Hossen, M.A. ; Chowdhury, S.A.H. ; Anower, M.S. ; Hossen, S. ; Pervej, M.F. ; Hasan, M.M.</i>	
DESIGN OF THE NOVEL DEFECTED GROUND STRUCTURE ASSISTED MICROSTRIP LOW PASS FILTER	700
<i>Rafiquzzaman, G.M. ; Sadi, Abu Talha ; Mollah, Mohammad Nurunnabi</i>	
DESIGN AND ANALYSIS OF THE POWER ELECTRONIC TRANSFORMER FOR POWER QUALITY IMPROVEMENT	704
<i>Roy, Rajib Baran ; Rokonuzzaman, Md. ; Hossam-E-Haider, Mohammed</i>	
INTEGRATION OF WIND ENERGY SYSTEM IN MICROGRID CONSIDERING STATIC AND DYNAMIC ISSUES	709
<i>Aziz, Tareq ; Salman, S.I.M. ; Islam, Md.Shariful ; Razzaq, Ashfaq ; Chowdhury, Ragib A. ; Mitun, Md.Iqbal Hossain</i>	
A NOVEL DEVICE FOR DYNAMIC LOADING AND STABILITY MEASUREMENT OF INLAND VESSELS BASED ON ITS ROLLING MOTION	714
<i>Sakib, Shadman</i>	
OPTIMUM ECONOMIC DISPATCH OF INTERCONNECTED MICROGRID WITH ENERGY STORAGE SYSTEM.....	720
<i>Asaduz-Zaman, Md. ; Chowdhury, A.Hasib</i>	
A SECURE DATA SECURITY INFRASTRUCTURE FOR SMALL ORGANIZATION IN CLOUD COMPUTING	726
<i>Noor, Manan Binth Taj ; Biswas, Sumon</i>	
COMPARATIVE STUDY OF ADRC AND PID BASED LOAD FREQUENCY CONTROL.....	732
<i>Rahman, Md.Mijanur ; Chowdhury, A.Hasib</i>	
THE EFFECT OF AVERAGE CHANNEL HOLDING TIME TO ESTIMATE THE QOS PARAMETERS OF CELLULAR NETWORK THROUGH GUARD CHANNEL SCHEME	737
<i>Rahman, Md.Asadur ; Zaidi Shifat, Abu Shami Md. ; Sohag, Md.Shajedul Islam</i>	
AUTOMATIC DETECTION, EXTRACTION AND MAPPING OF BRAIN TUMOR FROM MRI SCANNED IMAGES USING FREQUENCY EMPHASIS HOMOMORPHIC AND CASCADED HYBRID FILTERING TECHNIQUES	742
<i>Banik, Rana ; Hasan, Md.Rabiul ; Iftekhar, Md.Saif</i>	
ANALYSIS ON BAND STRUCTURE AND NEGF APPROACH FOR GRAPHENE AS A CHANNEL MATERIAL	748
<i>Fahim-Al-Fattah, Md. ; Khan, Asif Abdullah ; Islam, Md.Rasidul ; Sabid, Ibne</i>	
IMPROVING FINGERPRINT BASED GENDER IDENTIFICATION TECHNIQUE USING SYSTEMATIC PIXEL COUNTING	752
<i>Hossain, Md.Sazzad ; Habib, Md.Ahsan</i>	
MAXIMUM POWER POINT TRACKING USING VERY HIGH FREQUENCY RESONANT DC/DC CONVERTER FOR PHOTOVOLTAIC SYSTEMS.....	756
<i>Iftekhar, Md.Saif ; Hasan, Md.Rabiul ; Banik, Rana ; Umar, Rubaeat ; Barua, Chinmoy</i>	
TRUST AND ENERGY AWARE CLUSTER MODELING AND SPECTRUM HANDOFF FOR COGNITIVE RADIO AD-HOC NETWORK	762
<i>Afsana, Fariha ; Jahan, Nusrat ; Sunny, Farhana A. ; Kaiser, M.S. ; Mamun, S.A.</i>	
A SIMPLIFIED IMAGE COMPRESSION TECHNIQUE BASED ON HAAR WAVELET TRANSFORM	768
<i>Tabassum, Fahima ; Islam, Md.Imdadul ; Amin, Mohamed Ruhul</i>	
HIGH TEMPERATURE SUPERCONDUCTING GENERATOR DESIGN FOR OFFSHORE WIND TURBINE APPLICATION	777
<i>Khalil, Md.Ebrahim</i>	
OPTIMIZATION OF GRID-TIED DISTRIBUTED MICROGRID SYSTEM WITH EV CHARGING FACILITY FOR THE STADIUMS OF BANGLADESH	783
<i>Barua, Sourav ; Hossain, Chowdhury Akram ; Rahman, Md.Mahfuzur</i>	
CHANGE IN CHARACTERISTICS OF TRIANGULAR TRI-GATE FINFET WITH VERTICALLY NON-UNIFORM SOURCE/DRAIN DOPING PROFILE	789
<i>Sanjidah, Syeda</i>	
AUTOMATIC DIABETIC RETINOPATHY DETECTION USING OMFR WITH MINIMUM CROSS ENTROPY THRESHOLD	793
<i>Kuri, Saumitra Kumar</i>	
EFFECTIVE FIRE EVENT NOTIFICATION SYSTEM FOR FIRE SERVICE DEPARTMENT OF BANGLADESH	799
<i>Al Imran, Md.Abdullah ; Habib, Md.Ahsan</i>	

SMART MANAGEMENT OF PHEV AND RENEWABLE ENERGY SOURCES FOR GRID PEAK DEMAND ENERGY SUPPLY	803
<i>Haque, Raisa ; Jamal, Taskin ; Maruf, Md.Nasimul Islam ; Ferdous, Sharara ; Priya, Sabiha Farhana Hasan</i>	
ARDUINO AND GSM BASED SMART ENERGY METER FOR ADVANCED METERING AND BILLING SYSTEM.....	809
<i>Rahman, Md.Masudur ; Noor-E-Jannat ; Islam, Mohd.Ohidul ; Salakin, Md.Serazus</i>	
DESIGN AND SIMULATION OF ALL OPTICAL LOGIC GATES BASED ON 2D PHOTONIC CRYSTAL FIBER.....	815
<i>Naznin, Shakila ; Karim, Sk.Toufaenoor ; Tisa, Rasna Tamanna ; Farhad, MD.Abul</i>	
APPLYING ANT COLONY OPTIMIZATION IN SOFTWARE TESTING TO GENERATE PRIORITIZED OPTIMAL PATH AND TEST DATA	820
<i>Biswas, Sumon ; Kaiser, M.S. ; Mamun, S.A.</i>	
DESIGN OF NEAR ZERO ULTRA FLATTENED CHROMATIC DISPERSION HOLEY FIBER FOR TELE COMMUNICATION APPLICATION.....	826
<i>Abid Rahman, Chowdhury M. ; Wahed, Md.Abdul ; Sarkar, Tamal</i>	
PERFORMANCE EVALUATION OF A PORTABLE PABX SYSTEM THROUGH DEVELOPING NEW BANDWIDTH OPTIMIZATION TECHNIQUE.....	830
<i>Rahman, Md.Torikur ; Mahi, Md.Julkar Nayeem ; Biswas, Milon ; Kaiser, M.Shamim ; Al Mamun, Shamim</i>	
ESTIMATION OF CROSSTALK NOISE FOR RLC INTERCONNECTS IN DEEP SUBMICRON VLSI CIRCUIT.....	835
<i>Maniruzzaman, Md. ; Ahmed, Shakil ; Fattah, Galib Md. ; Toma, Rafia Nishat</i>	
FUZZY LOGIC BASED AN IMPROVED CONTROLLER FOR WAVE ENERGY CONVERSION SYSTEMS	839
<i>Islam, Md.Rabiul ; Sheikh, Md.Rafiqul Islam</i>	
GATE LENGTH SCALING OF SI NANOWIRE FET: A NEGF STUDY.....	845
<i>Khan, Touhid ; Izti had, Hossain Md. ; Sufian, Abu ; Alam, Md.Nur Kutubul ; Mollah, Md.Nurunnabi ; Islam, Md.Rafiqul</i>	
MOTOR IMAGERY MOVEMENTS DETECTION OF EEG SIGNALS USING STATISTICAL FEATURES IN THE DUAL TREE COMPLEX WAVELET TRANSFORM DOMAIN.....	849
<i>Bashar, Syed Khairul ; Das, Anindya Bijoy ; Bhuiyan, Mohammed Imamul Hassan</i>	
ECG FEATURE EXTRACTION IN TEMPORAL DOMAIN AND DETECTION OF VARIOUS HEART CONDITIONS	855
<i>Khan, Tasnova Tanzil ; Sultana, Nadia ; Reza, Rezwana Binte ; Mostafa, Raqibul</i>	
CHARACTERIZATION OF FEMTOSECOND LASER FILAMENTATION IN SODA-LIME GLASS	861
<i>Ahsan, Md.Shamim ; Rafi, Ragib Shakil ; Sohn, Ik-Bu ; Choi, Hun-Kook ; Lee, Man Seop</i>	
IDENTIFICATION OF ARM MOVEMENTS USING STATISTICAL FEATURES FROM EEG SIGNALS IN WAVELET PACKET DOMAIN.....	867
<i>Bashar, Syed Khairul ; Bhuiyan, Mohammed Imamul Hassan</i>	
THE GATE AND DRAIN CONTROL COEFFICIENTS EFFECT ON CNTFET PERFORMANCE UNDER DIFFERENT TEMPERATURE.....	872
<i>Imam, Safayat-Al ; Kalam, Nasheen ; Abdhullah, Sharmin</i>	
BER PERFORMANCE OF DS-CDMA SYSTEM OVER A MULTIPATH RAYLEIGH FADING CHANNEL CONSIDERING PATH GAIN COMPONENT AND NOISE VARIANCE.....	876
<i>Moontaha, Sidratul ; Akter, Farhana ; Rahman, Farhana ; Islam, A K M Nazrul</i>	
AN EFFICIENT MULTI-OLT AND MULTI WAVELENGTHS PASSIVE OPTICAL NETWORK FOR DIFFERENTIATED CLASSES OF SERVICES	881
<i>Basu, Sujit ; Hossen, Monir ; Arefeen, Md.Imamul ; Kundu, Bipasha</i>	
TOWARDS DEVELOPMENT OF HEALTH DATA WAREHOUSE: BANGLADESH PERSPECTIVE.....	887
<i>Khan, Shahidul Islam ; Hoque, Abu Sayed Md.Latiful</i>	
DESIGN OF HIGHLY BIREFRINGENT DISPERSION COMPENSATING SPIRAL PHOTONIC CRYSTAL FIBER.....	893
<i>Mondal, Japatosh ; Rahman, Mohammad Shaifur</i>	
A NOVEL ALGORITHM FOR MALICIOUS ATTACK DETECTION IN UWSN.....	897
<i>Ahmed, Muhammad R ; Aseeri, Mohammed ; Kaiser, M Shamim ; Zenia, Nusrat Z ; Chowdhury, Zamshed I</i>	
MULTI-CHANNEL SIGNAL DETECTION AND SELECTION WITH ANDROID BASED VOICE CONTROLLED SYSTEM USING SIMULINK	903
<i>Rahman, Md.Ismail ; Chowdhury, Bakhteyar Uddin ; Hossen, Raqibul ; Ahmmed, Kazi Tanvir</i>	
FACE RECOGNITION USING PRINCIPLE COMPONENT ANALYSIS AND LINEAR DISCRIMINANT ANALYSIS	909
<i>Mahmud, Firoz ; Khatun, Mst.Taskia ; Zuhori, Syed Tauhid ; Afroge, Shyla ; Aktar, Mumu ; Pal, Biprodip</i>	
A NOVEL APPROACH TO LABEL-FREE DETECTION OF DNA HYBRIDIZATION BASED ON GRAPHENE QUANTUM CAPACITANCE DEPENDENT FREQUENCY/WIRELESS READOUT	913
<i>Abedin, Minhaz Ibna ; Hassan, Asif</i>	
ANALYTICAL CAPACITANCE MODELING OF MULTIFIN TRAPEZOIDAL FINFET.....	918
<i>Titirsha, Twisha ; Afrin, Farhana ; Alam, M.K.</i>	
AUTOMATED CV PROCESSING ALONG WITH PSYCHOMETRIC ANALYSIS IN JOB RECRUITING PROCESS.....	924
<i>Ahmed, Firoz ; Anannya, Mehrin ; Rahman, Tanvir ; Khan, Risala Tasin</i>	
AUTOMATIC SCREENING OF OBSTRUCTIVE SLEEP APNEA FROM SINGLE-LEAD ELECTROCARDIOGRAM	929
<i>Hassan, Ahnaf Rashik</i>	

OPTIMAL COVERAGE OF WIRELESS SENSOR NETWORK USING TERMITE COLONY OPTIMIZATION ALGORITHM	935
<i>Das, Pronaya Prosun ; Chakraborty, Nirjhar ; Allayear, Shaikh Muhammad</i>	
DESIGN AND FABRICATION OF POWER CONSUMPTION NETWORK TO PREVENT ENERGY PILFERAGE	941
<i>Raju, Rajib Hassan ; Islam, Md.Sajedul</i>	
A NOVEL TRAINING BASED CONCATENATIVE BANGLA SPEECH SYNTHESIZER MODEL.....	947
<i>Mahmud, Firoz ; Abdullah-al-Mamun, MD. ; Aktar, Mumu ; Afroge, Shyla</i>	
ADAPTIVE ROUTE SELECTION SUPPORT SYSTEM BASED ON ROAD TRAFFIC INFORMATION	954
<i>Rahman, Saoreen ; Yeasmin, Nilufar ; Ahmmed, Mahtab Uddin ; Kaiser, M.Shamim</i>	
BUTTERFLY TRAFFIC PATTERN IN SELECTION ALGORITHM ON HIERARCHICAL TORUS NETWORK.....	960
<i>Rahman, M.M.Hafizur ; Akhand, M.A.H. ; Shill, Pintu Chandra ; Inoguchi, Yasushi</i>	
DESIGN AND PERFORMANCE ANALYSIS OF A LOW-INDEX-CONTRAST CASCADED MULTIMODE INTERFERENCE SWITCH.....	965
<i>Hossen, Raqibul ; Ahmmed, Kazi Tanvir</i>	
SYNERGY BETWEEN CONTROL STRATEGIES OF SVC DAMPING CONTROLLER AND TRANSIENT STABILITY, POWER OSCILLATION DAMPING	971
<i>Howlader, Md.Masum ; Saif, Aziz Un Nur Ibn ; Shahriar, Md.Shoaib</i>	
DETECTION OF LUNG CANCER FROM CT IMAGE USING IMAGE PROCESSING AND NEURAL NETWORK.....	977
<i>Miah, Md.Badrul Alam ; Yousuf, Mohammad Abu</i>	
ANALYSIS OF BUILDING ENERGY EFFICIENCY AND INTEGRATION OF RENEWABLE ENERGY SOURCES	983
<i>Basir, Al ; Siraj, Ahmed Shahnewaz ; Huq, Khondaker Rahat Mozammel</i>	
DIABETES DIAGNOSIS EXPERT SYSTEM BY USING BELIEF RULE BASE WITH EVIDENTIAL REASONING	987
<i>Rahaman, Saifur</i>	
ADVANCED INVESTIGATION ON EBG STRUCTURES: A CRITICAL ANALYSIS TO OPTIMIZE THE PERFORMANCE OF ASYMMETRIC COUPLE-LINE BANDPASS FILTER	993
<i>Parvez, S. ; Sakib, N. ; Mollah, M.N.</i>	
A MACHINE TRANSLATION FRAMEWORK FOR TRANSLATING BANGLA ASSERTIVE, INTERROGATIVE AND IMPERATIVE SENTENCES INTO ENGLISH.....	999
<i>Arefin, Mohammed Safayet ; Hoque, Mohammed Moshiul ; Rahman, Md.Obaidur ; Arefin, Md.Shamsul</i>	
SOLVING MAXIMUM CLIQUE PROBLEM USING A NOVEL QUANTUM-INSPIRED EVOLUTIONARY ALGORITHM	1005
<i>Das, Pronaya Prosun ; Khan, Mozammel H.A.</i>	
A NOVEL APPROACH TOWARD PARALLEL IMPLEMENTATION OF BFS ALGORITHM USING GRAPHIC PROCESSOR UNIT.....	1011
<i>Al Farid, Fahmid ; Uddin, Md.Sharif ; Barman, Shohag ; Ghods, Amirhossein ; Das, Sowmitra ; Hasan, Md.Mehedi</i>	
A LINUX-PC IMPLEMENTATION DESIGN FOR ELASTIC WLAN SYSTEM	1015
<i>Islam, Md.Ezharul ; Funabiki, Nobuo</i>	
AN EFFICIENCY IMPROVEMENT IN AN ANONYMOUS CREDENTIAL SYSTEM FOR CNF FORMULAS ON ATTRIBUTES WITH CONSTANT-SIZE PROOFS	1021
<i>Begum, Nasima ; Nakanishi, Toru ; Nogami, Yasuyuki</i>	
Author Index	