1A: DATA MINING AND PATTERN RECOGNITION

DAY & DATE: SATURDAY, 07/02/2015, TIME: 14:40 – 16:40 VENUE: Block - E, 1st Floor, Room- ME (168)		Chair: Dr. Raju Halder, IIT, Patna Co-Chair: Soumadip Ghosh, AOT	
PID	**AUTHORS**	**TITLE OF THE PAPER**	**STATUS**
23	Pawan Kumar Singh, Shantanu Jana, Ram Sarkar, Nibaran Das and Mita Nasipuri, Department of CSE, Jadavpur University	A Two-stage Style Detection Approach for printed Roman script words	
32	Pawan Kumar Singh, Santu Kumar Dalal, Ram Sarkar and Mita Nasipuri, Jadavpur University	Page-level Script Identification from Multi-script Handwritten Documents	
67	Amit Majumder and Asif Ekbal, Academy of Technology, Hooghly, India	Event Extraction from Biomedical Text using CRF and Genetic Algorithm	
125	Tanya Gera and Jaiteg Singh, Chitkara University, Punjab	A Parameterized approach to Deal with Sock puppets	
126	Deepak Thakur and Jaiteg Singh, Chitkara University	THE SAFE MINER: A Fine Grained Aspect Level Approach for Resolving the Sentiment	
223	Tapan Chowdhury, Sanjit Kumar Setua and Susanta Chakraborty, Techno India, Salt Lake	A Novel Rules Optimizer with Feature Selection using Rough-Entropy-Coverage Partitioning based Reduct	
257	Subrata Bose and Subrata Datta, Neotia Institute of Technology	Frequent Pattern Generation in Association Rule Mining using Weighted Support	
262	Suman Datta, Joydeep Das, Prosenjit Gupta and Subhashis Majumder, Heritage Institute of Technology	SCARS: A Scalable Context-Aware Recommendation System	

1B: WIRELESS SENSOR NETWORKS & NETWORKING

DAY & DATE: SATURDAY, 07/02/2015, TIME: 14:40 – 16:40 VENUE: Block - E, 1st Floor, Room- ME (169)		Chair: Prof. Sarmistha Neogy Lahiri, Jadavpur University Co-Chair: Amitava Nag, AOT	
PID	**AUTHORS**	**TITLE OF THE PAPER**	**STATUS**
26	Md Azharuddin and Prasanta K. Jana, Indian School of Mines	A GA-based approach for fault tolerant relay node placement in wireless sensor networks	
202	Dipanjali Karmakar and Sunandini Sen, CU	An Power Efficient Algorithm for Distributed Ad-Hoc Cluster Based Wireless Sensor Networks	
239	Santosh Kumar Das, Sachin Tripathi and Arun Prasad Burnwal, ISM Dhanbad	Design of Fuzzy based Intelligent Energy Efficient Routing Protocol for WANET	
302	Anuradha Kar and Asim Kar, Deutsches Zentrum Fur Luft-und Raumfahrt (DLR), Oberpfaffenhofen, AOT	A novel design of a portable double beam-in-time spectrometric sensor platform with cloud connectivity for environmental monitoring applications	
58	Santosh Das, Sachin Tripathi and Arun Burnwal, ISM Dhanbad	Fuzzy Based Energy Efficient Multicast Routing for Ad-hoc Network	
214	Moumita Chatterjee and Sanjit Kumar Setua, CU	A New Clustered Load Balancing Approach for Distributed Systems	
267	Ajay Kumar Yadav and Sachin Tripathi, ISM Dhanbad	Load Balanced Multicast Routing Protocol for Wireless Mobile Ad-Hoc Network	
270	Somasis Roy, Anirban Mitra and Sanjit Setua, AOT, CU	Color & Grayscale Image Representation Using Multivector	

1C: DBMS AND DATA WAREHOUSING

DAY & DATE: SATURDAY, 07/02/2015, **TIME: 14:40 – 16:40** **VENUE: Block - E, 1st Floor, Room- 4 ME- 1 (158)**	**Chair: Prof. Sanjit Kumar Setua, University of Calcutta** **Co-Chair: Prasenjit Das, AOT**

PID	AUTHORS	TITLE OF THE PAPER	STATUS
39	Ranak Ghosh, Sujay Halder and Soumya Sen, University of Calcutta	An Integrated Approach to Deploy Data Warehouse in Business Intelligence Environment	
99	Sanjoy Mukherjee and Sarmistha Neogy, Narula Inst. Tech., and JU	Storage & Retrieval of Trusted Information : ATemporal Probabilistic Database Approach	
207	Subhas Barman, Ajitesh Kr. Barman, Bapi Panda and Pintu Sharma, Govt. Clg. of Eng. and Textile Tech., Berhampore	Implementation of a Smart Map Using Spatial Oracle	
212	Koushik Mondal and Paramartha Dutta, IIT INDORE	Big Data Parallelism: Challenges in different computational Paradigms	

1D: DEVICE

DAY & DATE: SATURDAY, 07/02/2015, **TIME: 14:40 – 16:40** **VENUE: Block - E, 1st Floor, Room- 3 ME- 1 (164)**	**Chair: Dr. Angsuman Sarkar, KGEC, Kalyani** **Co-Chair: Kaniska Majumder, AOT**	

PID	AUTHORS	TITLE OF THE PAPER	STATUS
44	Swapan Bhattacharyya, Arpan Deyasi and Nikhil Das., Camellia Institute of Technology and Management AND University of Calcutta	Calculating Intersubband Transition Energy in T-shaped Quantum Wire using FD Technique	
89	Tuhin Subhra Sarkar, Subir Das, Badal Chakraborty and Himadri Sekhar Dutta, MCET, KGEC	Design & Realization of an Optical type Dual Axis Inclination Sensor	
93	Suranjana Banerjee, Aritra Acharyya and Monojit Mitra, AOT	Design Optimization and Large-Signal Simulation of DLHL Si IMPATT Diode at 60 GHz	
90	Arpita Ghosh, Amit Jain and S.K Sarkar, RCCIIT, JU	Stability aspects of single electron threshold logic based 4 bit carry look ahead adder	
94	Suranjana Banerjee, Aritra Acharyya, J. P. Banerjee and Monojit Mitra, AOT	94 GHz Multiquantum Well IMPATT Diodes based on 3C-SiC/Si Material System	
172	Amit Krishna Dwivedi, Sarika Tyagi and Aminul Islam, Birla Institute of Technology	Threshold Voltage Extraction and its Reliance on Device Parameters @ 16-nm Process Technology	
222	Arindam Basak, Saswat Mishra, Udai P. Singh and Anup Mondal, KIIT University	Analysis of Chemically Deposited SnS Thin Film for Solar Cell Application	
287	Shaibal Nandy Mazumdar, Wasim Arif, Samprity Kashyap, Priti Sonowal and Manash Kumar Sonowal, NIT Silchar	Design and Analysis of a Novel Half Jagged Toothed Capacitive Comb Drive with Increased Efficiency	
307	Kankat Ghosh and Apurba Laha, IIT Bombay	Impact of GaN buffer layer thickness on structural and optical properties of AlGaN/GaN based high electron mobility transistor structure grown on Si(111) substrate by plasma assisted molecular beam epitaxy technique	

1E: CONTROL AND INSTRUMENTATION

DAY & DATE: SATURDAY, 07/02/2015, **TIME: 14:40 – 16:40** **VENUE: Block - E, 1st Floor, Room- 2 ME- 1 (165)**	**Chair: Prof. Partha Pratim Sarkar, DETS, Kalyani University** **Co-Chair: Hiranmoy Mandal, AOT**

PID	AUTHORS	TITLE OF THE PAPER	STATUS
42	Shreem Ghosh, Aninda Mukherjee, Kunal Sahoo, Sunit Kumar Sen and Arindam Sarkar, University of Calcutta	A Novel Sensitivity Enhancement Technique Employing Wheatstone's Bridge for Strain and Temperature Measurement	
49	Dipayan Guha, Provas Roy and Subrata Banerjee, NIT, Durgapur	Study of Dynamic Responses of an Interconnected Two-Area all Thermal Power System with Governor and Boiler Nonlinearities using BBO	
128	Pratyusha Das, Arup Kumar Sadhu, Rishi Raj Vyas, Amit Konar and Diptendu Bhattacharyya, JU	Arduino Based Multi-robot Stick Carrying by Artificial Bee Colony Optimization Algorithm	
114	Abhishek Paul and Sumitra Mukhopadhyay, Camellia Ins. and CU	A Frequency domain Analysis on the Deterministic Modeling of the Ant System Dynamics	
153	Aritra Mitra, Mriganka Mukherjee and Kishankumar Naik, IIT Kanpur	Enhancement of Power System Transient Stability Using a Novel Adaptive Backstepping control law	
188	Susmit Nanda, Sourav Manna, Arup Kumar Sadhu, Amit Konar and Diptendu Bhattacharya, JU	Real-Time Surface Material Identification using Infrared Sensor to Control Speed of an Arduino Based Car Like Mobile Robot	
231	A. Chowdhury, Tushar Kanti Bera, D. Ghoshal and Badal Chakraborty, Agartala	Studying the Electrical Impedance Variations in Banana Ripening Using Electrical Impedance Spectroscopy (EIS)	
260	Sayanti Chatterjee, Smita Sadhu and Tapan Kumar Ghoshal, JU	Self switched R-adaptive Extended Kalman Filter based state estimation and mode determination for nonlinear hybrid systems	

2A: SECURITY AND CRYPTOGRAPHY

DAY & DATE: SUNDAY, 08/02/2015, TIME: 10:00 – 12:15 VENUE: Block - E, 1st Floor, Room- ME (168)		Chair: Prof. Nabendu Chaki, University of Calcutta Co-Chair: Pratik Bhattacharjee, AOT	
PID	**AUTHORS**	**TITLE OF THE PAPER**	**STATUS**
43	Partha Ghosh and Rajarshee Mitra, Netaji Subhash Engineering College	Proposed GA-BFSS and Logistic Regression based Intrusion Detection System	
66	Alo Sen, Asish Aich and Satya Ranjan Dash, KIIT	Deoxyribonucleic Acid (DNA) for a Shared Secret Key Cryptosystem with Diffie Hellman Key sharing technique	
92	Suman Das, Hemanta Dey and Ranjan Ghosh, CU	An approach to assess the optimality of refining RC4	
113	Biswajita Datta, Samir Kumar Bandyopadhyay and Souptik Tat, St. Thomas and CU	Robust High Capacity Audio Steganography using Modulo Operator	
181	Manoj K. Mishra, INDIAN SCHOOL OF MINES	Architecture and Secure Implementation for Video Conferencing Technique	
185	Shatabdi Mondal and Sanjit Setua, ASANSOL ENG. COLG., CU	Extending Trust In Enterprise Systems	
189	Dindayal Mahto and Dilip Kr. Yadav, National Institute of Technology, Jamshedpur	Enhancing Security of One-Time Password using Elliptic Curve Cryptography with Biometrics for E-Commerce Applications	
200	Gitika Maity and Jaydeb Bhaumik, HIT	New Hybrid CA Rule Sets for Cryptographic Design	
206	Subhas Barman, Debasis Samanta and Samiran Chattopadhyay, JU, IIT KGP	Revocable Key Generation From Irrevocable Biometric Data for Symmetric Cryptography	
219	Ruhul Amin, ISM Dhanbad	Anonymity Preserving Secure Hash Function Based Authentication Scheme for Consumer USB Mass Storage Device	

2B: ALGORITHM AND SOFTWARE DESIGN

DAY & DATE: SUNDAY, 08/02/2015, **TIME: 10:00 – 12:15** **VENUE: Block - E, 1st Floor, Room- ME (169)**	**Chair: Prof. Paramartha Dutta, Visva Bharati University** **Co-Chair: Arindrajit Pal, AOT**	

PID	AUTHORS	TITLE OF THE PAPER	STATUS
37	Rupayan Dutta, Samsung Research India, Bangalore	Efficient Approach to Detect Logical Equivalence in the Paradigm of Software Plagiarism	
47	Ashish Kumar Sultania, FreeScale Semiconductor	Developing Software Product and Test Automation Software Using Agile Methodology	
213	Chandan Kumar and Dilip Kumar Yadav, NIT Jamshedpur	A Method for Developing Node Probability Table Using Qualitative Value of Software Metrics	
234	Robin Tommy, Nikita Prasannakumaran, Sumithra Rajeevan and Sankar Kesav, McFadyen Solutions india Pvt Limited	Test Scenario Modeling - Modeling Test Scenarios diagrammatically using specification based testing techniques.	
53	Rupayan Dutta and Sayan Nayak, Samsung Research India	A Novel In-Place Sorting Algorithm with Element wise Restricted Swap	
143	Joydeb Ghosh, Ankita Nandy, Lagnashree Dey, Piyali Datta, Arpan Chakraborty and Rajat Pal, CU	An Algorithm for Identifying Two Unequal Heavier / Lighter Coins Out of n Given Coins	
165	Fengyu Gao and Hongyan Qian, Nanjing University of Aeronautics and Astronautics	An Efficient Ray-Triangle Intersection Algorithm for Tunnel Models	
254	Subrata Das, Parthasarathi Dasgupta, Amit Pandey and Pabitra Roy, AOT	A close encounter with Random Numbers	

2C: SIGNAL PROCESSING

DAY & DATE: SUNDAY, 08/02/2015, TIME: 10:00 – 12:15 VENUE: Block - E, 1st Floor, Room- 4 ME- 1 (158)		Chair: Prof. Tapan Kumar Basu, AOT Co-Chair: Dr. Abhijit Banerjee, AOT	
PID	**AUTHORS**	**TITLE OF THE PAPER**	**STATUS**
84	Sabyasachi Mukhopadhyay, Ritwik Barman, Subhadip Dey, Asish Mitra,Prasanta K.Panigrahi,Paritosh Bhattacharya, K.K.Dhar	Diagnosing Heterogeneous Dynamics for wind particle trajectory in wavelet domain	
109	Supriya Dhabal and Saptarshi Sengupta, Netaji Subhash Engineering College	Efficient Design of High Pass FIR Filter using Quantum-behaved Particle Swarm Optimization with Weighted Mean Best Position	
117	Pravanjan Samanta, Samoshri Mitra and Gourhari Das, JU	Construction of a Reduce Order Observer for Linear Time Invariant System with Unknown Inputs	
169	Debajyoti Misra, SIT	Quadrature Mirror Filter Bank with Canonical Signed Digit Representation using Linear Optimization Algorithm	
259	Aritro Dey, Smita Sadhu and Tapan Kumar Ghoshal, JU	Adaptive Divided Difference Filter for Nonlinear Systems with Non-Additive Noise	
278	Basab Chatterjee, Dr. Sudhabindu Ray and Baidyanath Biswas, AOT, JU	A new DSP based DPLL incorporates a dither signal and an additional phase control to overcome the deleterious effect of truncation error	
299	Mohendra Roy, Dongmin Seo, Jaewoo Kim, Sangwoo Oh and Sungkyu Seo,	Smartphone based automated microparticle analysis system	
62	Vibha Kulkarni and Kottareddy Jaya Sankar, Vasavi College of Engineering	Design of Structured Irregular LDPC Codes from Structured Regular LDPC Codes	
140	Srinivasulu B, IITR	On linear codes over a non-chain extension of F2 + uF2	

2D: SOLAR SYSTEMS & VLSI

DAY & DATE: SUNDAY, 08/02/2015, TIME: 10:00 – 12:15 VENUE: Block - E, 1st Floor, Room- 3 ME- 1 (164)		Chair: Prof. Abhijit Mukherjee, AOT Chair: Prof. Asim Kar, AOT	
PID	**AUTHORS**	**TITLE OF THE PAPER**	**STATUS**
45	Pinaki Chowdhury, Dipankar Mukherjee and Sudhabindu Ray, BAJAJ ELECTRICALS LIMITED, BESU AND BAJAJ	An Embedded Monitoring Unit for a Lead-Acid Battery with Reference to a PV System	
152	Sandip Das and S. Mazumdar, H.E.T.C.; Hooghly	A MODEL BASED SOLAR INSOLATION UTILISER FOR SOCIO ECONOMIC DEVELOPMENT	
244	Hiranmoy Mandal and Sirshendu Saha, AOT	AN IMPROVED TECHNIQUE OF CAPACITANCE MEASUREMENT OF SOLAR CELLS	
265	Madhumita Das and Dipankar Mukherjee, IIEST	A Standalone Charging Station For Li-ion Digital Camera Battery From Solar Photovoltaic Module With Supercapacitor	
102	Biswarup Mukherjee, Biplab Roy, Dr. Arindam Biswas and Dr. Aniruddha Ghosal, CU	Design of a Low Power 4x4 Multiplier based on Five Transistor (5-T) half Adder, Eight Transistor (8-T) Full Adder & Two Transistor (2-T) AND gate	
141	Ranjan Mehera, Arpan Chakraborty, Piyali Datta and Rajat Pal, CU	An Innovative Approach towards Detection and Exclusion of Overlapped Regions in Guard Zone Computation	
263	Khushbu Chandrakar, Shashank Mishra and Suchismita Roy, NIT Durgapur	SAT based Low Power Scheduling and Module Binding with Clock Gating	

2E: POWER SYSTEMS

DAY & DATE: SUNDAY, 08/02/2015, TIME: 10:00 – 12:15 VENUE: Block - E, 1st Floor, Room- 2 ME- 1 (165)		Chair: Prof. Probal Mukherjee, AOT Co-Chair: Dr. Amitava Sil, AOT	
PID	**AUTHORS**	**TITLE OF THE PAPER**	**STATUS**
144	Arunava Chatterjee and Debashis Chatterjee, JU	Photovoltaic assisted Excitation Control of 1-phase Dual winding Induction Generator for wind-based Microgeneration	
166	Arnab Ghosh and Subrata Banerjee, NIT Durgapur	Design and Implementation of Type-II Compensator in DC-DC Switch-Mode Step-up Power Supply	
186	Akash Kumar Maity, Ruchira Pratihar and Sovan Dalai, JU	Design of a Dynamic Model of the Unified Power Quality Conditioner and its Operation Control	
193	Mihir Hembram and Ayan Kumar Tudu, JU	Mitigation of Power Quality Problems using Unified Power Quality Conditioner (UPQC)	
233	Santanu Mondal, Arunabha Mitra, Debjyoti Chowdhury and Madhurima Chattopadhyay, Techno India, HIT	A New Approach of Sensorless Control Methodology for Achieving Ideal Characteristics of Brushless DC Motor Using MATLAB/Simulink	
242	Lalit Chandra Saikia, Sumit Kumar Das, Puja Dash and More Raju, NIT Silchar	Multi - area AGC with AC/DC link and BES and Cuckoo Search Optimized PID Controller	
76	Swarnali Jhampati , Jyotirmay Chakraborty, Shirsendu Lahiri and Tapas Halder, KGEC	An Assessment of The Power Quality	
271	Rumpa Saha, Jitendranath Bera and Gautam Sarkar, VSSUT, CU	Identification of Running Household Appliances by a State-of-the-art Energy Meter for a Change in Consumption Pattern	

3A: SOFT COMPUTING

DAY & DATE: SUNDAY, 08/02/2015, TIME: 14:00 – 16:15 VENUE: Block - E, 1st Floor, Room- ME (168)	Chair: Prof. Anindya Jyoti Pal, HIT, WBUT Co-Chair: Krishna Bhowal, AOT

PID	AUTHORS	TITLE OF THE PAPER	STATUS
30	Sudip Mandal, Goutam Saha and Rajat K. Pal, GIMT	Neural Network Based Gene Regulatory Network Reconstruction	
48	Nandita Sanyal, Amitava Chatterjee and Sugata Munshi, B.P.Poddar Institute of managemet & Technology,Kolkata ,India AND JU	Fuzzy VQ based Image Compression by Bacterial Foraging Optimization Algorithm with varying Population	
65	Sunanda Hazra, Provas Kumar Roy and Anupam Sinha, Dr B C Roy Engineering College, Durgapur	An Efficient Evolutionary algorithm applied to Economic load dispatch problem	
155	Sankata Bhanjan Prusty, Umesh Chandra Pati and Kamalakanta Mahapatra, NIT, Rourkela	A Novel Fuzzy based Adaptive Control of the Four Tank System	
195	Debasish Roy, TechnoIndia University	Fractional Programming through Genetic Algorithm	
197	Santanu Dam, Gopa Mandal, Kousik Dasgupta and Paramartha Dutta, KGEC	Genetic Algorithm and Gravitational Emulation Based Hybrid Load Balancing Strategy In Cloud Computing	
238	Madhumita Bhowmik, Anasua Sarkar and Dr. Rajib Das, JU	Shannon Entropy Based Fuzzy Distance Norm for Pixel Classification in Remote Sensing Imagery	
264	Suman Banerjee and Nanda Dulal Jana, NIT Durgapur	Bi Level Kapurs Entropy based Image Segmentation using Particle Swarm Optimization	
266	Debasree Saha, Suman Banerjee and Nanda Dulal Jana, NIT Durgapur	Multi-objective Particle Swarm Optimization Based on Adaptive Mutation	

3B: WIRELESS COMMUNICATION

DAY & DATE: SUNDAY, 08/02/2015, TIME: 14:00 – 16:15 VENUE: Block - E, 1st Floor, Room- ME (169)		Chair: Prof. Sumit Kundu, NIT, Durgapur Co-Chair: Dr. Santu Sarkar, AOT	
PID	**AUTHORS**	**TITLE OF THE PAPER**	**STATUS**
78	Sindhubala K and Vijayalakshmi B, B.S.ABDUR RAHMAN UNIVERSITY	ECOFRIENDLY DATA TRANSMISSION IN VISIBLE LIGHT COMMUNICATION	
81	Zuo Xiaoya and Wang Ding, Northwestern Polytechnical University, China	Interference Cancelation for Non-CP DS-UWB System with MRC Frequency Domain Equalization	
105	Sayantan Acharya, Pulak Kabiraj and Debashish De, WBUT	Comparative Analysis of Different Modulation Techniques of LTE Network	
163	Satyendra Singh Yadav, Prasanta Kumar Pradhan and Sarat Kumar Patra, NIT Rourkela	Computational Complexity Analysis of PTS Technique under Graphics Processing Unit	
179	Sandip Das, Soumitra Mandal and Moitrayee Chakraborty, University of Engineering and Management, NITTTR	LMMSE Equalized DCSK Communication system over a multipath fading channel with AWGN noise	
205	Anwesha Mukherjee, Priti Deb and Debashis De,	Green Deployment Strategy of Different Generation Mobile Networks Based on Spectrum Analysis	
217	Mohit Sharma and Ravinder Nath ,NIT Hamirpur	An Improved Sum-Of-Sinusoids Based Simulation Model for Rayleigh Fading Channel	
221	Mangal Singh and Sarat Kumar Patra, NIT Rourkela	On the performance analysis of Partial Transmit Sequence using Modified Flipping Algorithm for PAPR Reduction in OFDM systems	
237	Ping Guo, Yankun Bai, Zhengxiang Ma, Sijin Wu and Shuping Dang, Henan Danfeng Technology Co.,Ltd, China	Relay Technology for Multi-carrier Systems: A Research Overview	
57	Alla Levina and Sergey Taranov, ITMO University, RUSSIA	Spline-Wavelet Robust Code under Non- Uniform Codeword Distribution	

3C: DIGITAL IMAGE PROCESSING

DAY & DATE: SUNDAY, 08/02/2015, **TIME: 14:00 – 16:15** **VENUE: Block - E, 1st Floor, Room- 4 ME- 1 (158)**	**Chair: Dr. Ishita De, BRSC, Barackpur** **Co-Chair: Amit Majumder, AOT**

PID	AUTHORS	TITLE OF THE PAPER	STATUS
129	Utpal Nandi, Jyotsna Kumar Mandal and Sahadeb Santra, Bangabasi College	Fractal Image Compression with Quadtree Partitioning and a new Fast Classification Strategy	
204	Manas Saha, Mrinal Kanti Naskar and Biswa Nath Chatterji, JU	Mammogram Denoising by Curvelet Transform based on the Information of Neighbouring Coefficients	
208	Manali Mukherjee, Kamarujjaman Sk and Mausumi Maitra, Govt. Colg. of Eng. & Ceramic Tech.	Reconfigurable Architecture of Adaptive Median Filter – An FPGA Based Approach for Impulse Noise Suppression	
227	Tumpa Dey and Tamojay Deb, Dasaratha Deb Memorial College, Khowai, Tripura	Facial Landmark Detection using FAST Corner Detector of UGC-DDMC Face Database of Tripura Tribes	
273	Anirban Mitra, Somasis Roy and Sanjit Kumar Setua, AOT, CU	Shape analysis of decisive objects from an image Using Mathematical Morphology	
281	Soumen Bera, AOT	Partially Occluded Object Detection and Counting	
301	Sudipta Roy, Shayak Sadhu and Samir Kumar Bandyopadhyay,	A Useful Approach towards 3D Representation of Brain Abnormality from Its 2D MRI Slides with a Volumetric Exclamation	
306	Asish Mitra, Paritosh Bhattacharya, Sabyasachi Mukhopadhyay, K K Dhar	Experimental Study on Shape and Path of Small Bubbles using Video-Image Analysis	

3D: ANTENNA SYSTEMS

DAY & DATE: SUNDAY, 08/02/2015, TIME: 14:00 – 16:15 VENUE: Block - E, 1st Floor, Room- 3 ME- 1 (164)		Chair: Prof. Gautam Kumar Mahanti, NIT, Durgapur Co-Chair: Basab Kumar Chatterjee, AOT	
PID	**AUTHORS**	**TITLE OF THE PAPER**	**STATUS**
55	Tamal Das, Archit Ghosh, Soumyo Chatterjee and Sayan Chatterjee, Heritage Institute of Technology AND JU	Design Expression for First Null Beam Width of Broadside Dolph Chebyshev Antenna Array	
133	Mihir Dam, Sourav Mazumder and Manotosh Biswas, JU	CAD Model to Compute Input Impedance and Bandwidth of Tunable Right Angle Isosceles Triangular Patch Antenna	
190	Abhijyoti Ghosh, Ankita Paul, Sudipta Chattopadhyay, Srijoni Sengupta, Sharmistha Banik, Shweta Shivani, Shweta Kumari and Subhradeep Chakraborty, Mizoram University	Rectangular Microstrip Antenna with Defected Patch Surface for Improved Polarization Purity	
211	Tanmoy Sarkar, Joydeep Chakravorty and Rowdra Ghatak, Burdwan Univ	Broadband Fractal Slot Planar Antenna	
226	Dr. Kabita Purkait, Subijit Mondal, Subhra Narayan Bose, Rounak Roy, Subhankar Halder and Kalyan Adhikary, KGEC	An Approach to Study the range of perturbations in Exact Algorithm on Microwave Tomography of Biological targets with different BeamWidth	
245	Santanu Mondal and Partha Pratim Sarkar, AOT, University of Kalyani	Characteristics of a Planar Metal antenna in vicinity of Human Head at 900 MHz and 1800 MHz	
268	Sujit Kumar Mandal, Ananya Mukherjee, Bharath Raja Nenavath and Mukesh Kumar, NIT Durgapur	Setting Initial Population for Synthesizing Time-Modulated Antenna Arrays with Fast Convergence of DE	
296	Sharanbasappa Belamgi and Dr. Sudhabindu Ray, Jadavpur university	A Compact Suspended Planar Patch Antenna for Microwave Imaging Sensor Array	

3E: BIOMEDICAL

DAY & DATE: SUNDAY, 08/02/2015, **TIME: 14:00 – 16:15 VENUE: Block - E, 1st Floor,** **Room- 2 ME- 1 (165)**	**Chair: Dr. Badal Chakraborty, BCKV, Kalyani** **Co-Chair: Sandip Saha Chowdhury, AOT**	

PID	AUTHORS	TITLE OF THE PAPER	STATUS
61	Kalyan Mahata and Anasua Sarkar, Govt. College of Engg. and Leather Technology, Kolkata	Cancer gene silencing network analysis using cellular automata	
88	Jayjeet Sarkar, AOT	DESIGN AND FABRICATION OF A T.E.N.S. PAIN RELIEF UNIT	
115	Srirupa Dasgupta and Goutam Saha, GCELT	A Comparision Between Methods for Generating Differentially Expressed Genes from Microarray Data for Prediction of Disease	
203	Sahana Das, Kaushik Roy and Chanchal Saha, Narula Institute of Technology	Determination of Window Size for Baseline Estimation of Fetal Heart Rate Using CTG	
240	Dr. Santanu Ghorai and Suchita Saha, Heritage Institute of Technology	Effect of Feature Fusion for Discrimination of Cardiac Pathology	
269	Sudip Mandal, Goutam Saha and Rajat K. Pal, GIMT, CU	S-System Based Gene Regulatory Network Reconstruction Using Firefly Algorithm	
285	Tushar Kanti Bera, A. Chowdhury, Hiranmoy Mandal, Kalyan Kar, Animesh Halder and J. Nagaraju, BMSCE	Thin Domain Wide Electrode (TDWE) Phantoms for Electrical Impedance Tomography (EIT)	