



Organized by (i) IEEE Computer Chapter, Kolkata Section, (ii) IEEE Young Professional (formerly GOLD) Affinity Group, Kolkata Section, (iii) CMATER and SRUVM Project, CSE Dept., Jadavpur University, and (iv) Computer Jagat, Kolkata.

Program Schedule (Summary)

Date	Time	Program
July 9, 2015 Tutorials Day-I	10:00AM – 11:00AM	Tutorial-I by Prof. Atal Chaudhuri , Department of Computer Science & Engineering, Jadavpur University, on " Digital Magic "
	11:30AM – 1:30PM	Tutorial-II by Prof. Pradip K. Das , Dean Academic, RCCIT, Kolkata, on " Visualizing Distributed Systems "
	02:30PM – 05:15PM	Tutorial-III by Prof. Sudeshna Sarkar , Department of Computer Science & Engineering, IIT Kharagpur, on " Deep Learning "
July 10, 2015 Invited Talks & Paper Presentations Day-II	09:30AM – 10:00AM	Inauguration
	10:00AM – 11:00AM	Keynote speech by Prof. Sankar K. Pal , Distinguished Scientist and Former Director, I.S.I., Kolkata
	11:30AM – 01:30PM	Technical sessions – T1, T2, T3, T4
	02:30PM – 03:15PM	Invited talk by Prof. Prabir Kumar Biswas , Department of Electronics & Electrical Communication Engineering, IIT Kharagpur
	03:30PM – 05:30PM	Technical sessions – T5, T6, T7, T8
	05:30PM – 06:15PM	Industry Session
	07:00PM – 09:00PM	Banquet Dinner
July 11, 2015 Invited Talks & Paper Presentations Day-III	10:00AM – 10:45AM	Invited talk by Prof. Sivaji Chakravorti , Professor, Electrical Engineering Department Jadavpur University.
	11:00AM – 01:00PM	Technical sessions – T9, T10, T11, T12
	02:30PM – 03:15PM	Invited talk by Prof. Bhargab B. Bhattacharya , Professor of Computer Science & Engineering, Indian Statistical Institute, Kolkata, India
	03:30PM – 05:30PM	Technical sessions – T13, T14, T15
	05:30PM – 06:00PM	Valedictory Session

July 09, 2015 : Tutorials

Venue: Triguna Sen Auditorium

Time	Program
09:00AM – 10:00AM	Registration
10:00AM – 11:00AM	Tutorial-I by Prof. Atal Chaudhuri , Department of Computer Science & Engineering, Jadavpur University <i>Title of Talk: Digital Magic</i>
11:00AM – 11:30AM	Tea break
11:30AM – 1:30PM	Tutorial-II by Prof. Pradip K. Das , Dean Academic, RCCIIT, Kolkata <i>Title of Talk: Visualizing Distributed Systems</i>
01:30PM – 02:30PM	Lunch Venue: Jadavpur University Guest House
02:30PM – 04:00PM	Tutorial-III by Prof. Sudeshna Sarkar , Department of Computer Science & Engineering, IIT Kharagpur <i>Title of Talk: Deep Learning</i>
04:00PM – 04:15PM	Tea break
04:15PM – 05:15PM	Tutorial-III by Prof. Sudeshna Sarkar , on "Deep Learning" (contd.)

July 10, 2015: Invited Talks & Technical Sessions (Day - I)

Time	Program
09:00AM – 09:30AM	Registration Venue: Triguna Sen Auditorium
09:30AM – 10:00AM	Inauguration Venue: Triguna Sen Auditorium
10:00AM – 11:00AM	Keynote speech by Prof. Sankar K. Pal , Distinguished Scientist and Former Director, I.S.I., Kolkata Venue: Triguna Sen Auditorium
11:00AM – 11:30AM	High Tea
11:30AM – 01:30PM	Technical Sessions T1: Artificial Intelligence Venue: Triguna Sen Auditorium T2: Signal Processing Venue: K.P. Basu Memorial Hall T3: Communication Systems and Networks - I Venue: Alumni Seminar Room T4: Robotics and Computer Vision Venue: H. L. Roy Auditorium
01:30PM – 02:30PM	Lunch Venue: Jadavpur University Guest House
02:30PM – 03:15PM	Invited talk by Prof. Prabir Kumar Biswas , Department of Electronics & Electrical Communication Engineering, IIT Kharagpur <i>Title of Talk:</i> 3D Image Formation using Laser Scanner Venue: Triguna Sen Auditorium
03:15PM – 03:30PM	Tea break
03:30PM – 05:30PM	Technical Sessions T5: High Performance Computing Venue: Triguna Sen Auditorium T6: Data Mining and Information Retrieval Venue: K.P. Basu Memorial Hall T7: Communication Systems and Networks-II Venue: H. L. Roy Auditorium T8: VLSI Design and Applications –I Venue: Alumni Seminar Room
05:30PM – 06:15PM	Invited talk by Mr. Sumit Poddar , Deputy General Manager, Corporate Information System, CESC Limited <i>Title of Talk:</i> CESC's IT initiative Towards Smart Grid Venue: Triguna Sen Auditorium
07:00PM – 09:00PM	Banquet Dinner Venue: FAR PAVILION , Tollygunge Club, Tollygunge, Kolkata - 700033

T1: Artificial Intelligence (# Papers: 8)**Date: July 10, 2015****Time: 11:30AM – 01:30PM****Venue: Triguna Sen Auditorium****Session Chair: Prof. Amit Konar**

Paper ID	Title
36	Paper Title: A New Adaptive Cuckoo Search Algorithm Author(s): Manoj Naik, Maheshwari Rashmita Nath, Aneesh Wunnava, Siddharth Sahany, Rutuparna Panda
37	Paper Title: An Optimal Clustering for Fuzzy Categorization of Cursive Handwritten Text with Weight Learning in Textual Attributes Authors: Goutam Sarker, Silpi Dhua, Monica Besra
45	Paper Title: A Modified Algorithm for DNA Motif Finding and Ranking Considering Variable Length Motif and Mutation Author(s): Adnan Ferdous Ashrafi, A.K.M Iqtidar Newaz, Rasif Ajwad, Moin Mahmud Tanvee, M.A Mottalib
68	Paper Title: Diffusion Kurtosis Model to Evaluate The Cochlear Nerve Deficiency in MRI Images Author(s): Vijayakumar, CM Sreedhar, Subash Khushu, RP Tripathi
81	Paper Title: Computational intelligence based hybrid approach for forecasting currency exchange rate Author(s): Akhter Mohiuddin Rather
93	Paper Title: Sentiment Analysis using Cosine Similarity Measure Author(s): Saprativa Bhattacharjee, Anirban Das, Ujjwal Bhattacharya, Swapan K. Parui, Sudipta Roy
94	Paper Title: A Hybrid Approach for Identifying Sentiments around Aspects Author(s): Sanjay Chatterji, Ranjan Kumar Rahul, Anoop Arora
222	Paper Title: A Description Logic based QSTR Framework for Recognizing Motion Patterns from Spatio-temporal Data Author(s): Upasana Talukdar, Rupam Barua, Shyamanta M Hazarika

T2: Signal Processing ((# Papers: 7)**Date: July 10, 2015****Time: 11:30AM – 01:30PM****Venue: K.P. Basu Memorial Hall****Session Chair: Prof. Mrinal Kanti Naskar**

Paper ID	Title
150	Paper Title: Multifractal Detrended Fluctuation Analysis used to analyse EEG signals originating from different lobes of Brain Author(s): Subham Dey, Rushab Bhimani, Ankita Mazumdar, Poulami Ghosh, D.N.Tibarewala
193	Paper Title: VidTIMIT audio visual phoneme recognition using AAM visual features and human auditory motivated acoustic wavelet features Author(s): Astik Biswas, P.K.Sahu, Anirban Bhowmick, Mahesh Chandra
205	Paper Title: Modified Watermarked ECG signals by Using Adaptive Normalization Factor Author(s): Basudev Halder, S.Mitra
242	Paper Title: Signal Processing Technique based Fault Location of a Distribution Line Author(s): Papiya Ray, Debani Prasad Mishra
248	Paper Title: A CCII-Based Wide Frequency Range Square/Triangular Wave Generator Author(s): Shahid Malik, Kaushal Kishore, Dharmendra Sharma, Maneesh Maharana, S.A. Akbar1, Tarikul Islam
309	Paper Title: DMBRLE: A Lossless Compression Algorithm for Solar Irradiance Data Acquisition Author(s): Soumya Roy, Subhas Chandra Panja, Sankar Narayan Patra
337	Paper Title: A Novel palmprint authentication system by XWT based feature extraction and BFOA based feature selection and optimization Author(s): Nandita Sanyal, Amitava Chatterjee, Sugata Munshi

T3: Communication Systems and Networks - I (# Papers: 5)**Date: July 10, 2015****Time: 11:30AM – 01:30PM****Venue: Alumni Seminar Room****Session Chair: Prof. Salil Kumar Sanyal**

Paper ID	Title
33	Paper Title: Miniaturization Of Microstrip Fractal H-Shape Patch Antenna Using Stack Configuration For Wireless Applications Author(s): Mehre-eMunir, Ahsan Altaf, Muhammad Hasnain
95	Paper Title: Design Optimization of Microstrip fed Rectangular Microstrip Antenna Using Differential Evolution Algorithm Author(s): Malay Gangopadhyaya, Bhaskar Gupta, Pinaki Mukherjee, Suvrajit Manna, Udit Sharma
99	Paper Title: Optimization of Probability of False alarm and Probability of Detection in Cognitive Radio Networks Using GA Author(s): Subhasree Bhattacharjee, Priyanka Das, Swarup Mandal, Bhaskar Sardar
107	Paper Title: A Cross-Layer MAC Protocol for Contention Reduction and Pipelined flow Optimization in Wireless Sensor Networks Author(s): Ripudaman Singh, Sonali Chouhan
133	Paper Title: Erlang Capacity Evaluation of WCDMA Systems under Co-Channel Interference with adaptive antenna Author(s): Ramarakula Madhu, Gottapu Sasi Bhushana Rao

T4: Robotics and Computer Vision ((# Papers: 6)**Date: July 10, 2015****Time: 11:30AM – 01:30PM****Venue: H. L. Roy Auditorium****Session Chair: Prof. Jyotirmoy Saha**

Paper ID	Title
171	Paper Title: Spine Medical Image Fusion Using Wiener Filter in Shearlet Domain Author(s): Biswajit Biswas, Amlan Chakrabarti, Kashi Nath Dey
172	Paper Title: Image Registration Method using Harris Corner and Modified Hausdorff Distance with Near Set Author(s): Biswajit Biswas, Amlan Chakrabarti, Kashi Nath Dey
177	Paper Title: A Fast Local Gradient based Super-resolution Image Reconstruction Algorithm with Fuzzy Hyper-bias Learning and Sparse Monitoring Paradigm Author(s): Soumya Goswami, Satrajit Chakrabarty, Pramit Saha
246	Paper Title: Hand Gesture Recognition of English Alphabets using Artificial Neural Network Author(s): Sourav Bhowmick, Sushant Kumar, Anurag Kumar
318	Paper Title: Automatic Diabetic Retinopathy Detection Using Gabor Filter with Local Entropy Thresholding Author(s): Saumitra Kumar Kuri
351	Paper Title: Decoding of Motor Imagery Potentials in Driving Using DE-Induced Fuzzy-Neural Classifier Author(s): Anuradha Saha, Amit Konar, Mainak Dan, Sudipta Ghosh

T5: High Performance Computing (# Papers: 6)**Date: July 10, 2015****Time: 03:30AM – 05:30PM****Venue: Triguna Sen Auditorium****Session Chair: Prof. Nabendu Chaki**

Paper ID	Title
19	Paper Title: YAHMD - Yet Another Heap Memory Debugger Author(s): <i>Debapriyay Mukhopadhyay, Subhas C. Nandy</i>
66	Paper Title: A Species Clustering Method Based on Variation of Molecular Data with the Aid of Variance Proportion Author(s): <i>Abolfazl Ghavidel, Amin Rezaeian, Mohammadreza Rezaee</i>
288	Paper Title: Performance Metrics of a Customized Web Application Developed for Monitoring Sensor Data Author(s): <i>Hidam Kumarjit Singh, Tulshi Bezboruah</i>
304	Paper Title: Workload Characteristics and Resource Aware Hadoop Scheduler Author(s): <i>Divya M., Annappa B.</i>
322	Paper Title: CUDA-enabled Hadoop Cluster for Sparse Matrix Vector Multiplication Author(s): <i>Motahar Reza, Aman Sinha, Rajkumar Nag, Prasant Mohanty</i>
343	Paper Title: Multicore Encryption and Authentication on a Reconfigurable Hardware Author(s): <i>Saheli Ghosh, Subha Jyoti Das, Rounab Paul, Amlan Chakrabarti</i>

T6: Data Mining and Information Retrieval (# Papers: 6)**Date: July 10, 2015****Time: 03:30AM – 05:30PM****Venue: K.P. Basu Memorial Hall****Session Chair: Prof. Jaya Sil**

Paper ID	Title
22	Paper Title: Threshold based KNN for fast and more accurate recommendations Author(s): <i>Siddharth J. Mehta, Jinkal Javia</i>
38	Paper Title: Double Weighted Methodology: A weighted ensemble approach to handle concept drift in data streams Author(s): <i>Parneeta Sidhu, MPS Bhatia, Abhishek Ravi, Kirti Jherwal</i>
110	Paper Title: WNPWR : Web Navigation Prediction Framework for Webpage Recommendation Author(s): <i>Sejal D, Kamalakant T, Tejaswi V, Dinesh Anvekar, Venugopal K R, S S Iyengar, L M Patnaik</i>
151	Paper Title: Trends in Quantitative Association Rule Mining Techniques Author(s): <i>Dhrubajit Adhikary, Swarup Roy</i>
213	Paper Title: An Effective Periodic Web Content Recommendation Based on Web Usage Mining Author(s): <i>Ravi Khatri, Daya Gupta</i>
270	Paper Title: Discovering Association Rules partially devoid of Dissociation by Weighted Confidence Author(s): <i>Subrata Datta, Subrata Bose</i>

T7: Communication Systems and Networks-II (# Papers: 7)**Date: July 10, 2015****Time: 03:30AM – 05:30PM****Venue: H. L. Roy Auditorium****Session Chair: Prof. Iti Saha Mishra**

Paper ID	Title
186	Paper Title: Non Cooperative Primary Users-Localization in Cognitive Radio Networks Author(s): <i>Sabyasachi Chatterjee, Prabir Banerjee</i>
197	Paper Title: Design and Analysis of Optical Filter using Series Coupled Racetrack Resonator Author(s): <i>Subhankar Addya, Sabitabrata Dey</i>
216	Paper Title: Frequency Reconfigurable Patch Antenna Using PIN Diode at X-Band Author(s): <i>Anamiya Bhattacharya, Rajeev Jyoti</i>
263	Paper Title: Fast and efficient compressive sensing for wideband cognitive radio systems Author(s): <i>Naveen Kumar, Neetu Sood</i>
294	Paper Title: Linear Array Pattern Synthesis Using Restriction in Search Space for Evolutionary Algorithms: A Comparative Study Author(s): <i>Archit Ghosh, Tamal Das, Soumyo Chatterjee, Sayan Chatterjee</i>
302	Paper Title: Controlled Privacy in Mobile Cloud Author(s): <i>Debasish Jana, Debasis Bandyopadhyay</i>
338	Paper Title: Synthesis of Flat-Top Power Pattern in Time-Modulated Unequally Spaced Linear Arrays using DE Author(s): <i>S. Patra, S.K.Mandal, G.K.Mahanti, N.Pathak</i>

T8: VLSI Design and Applications –I (# Papers: 5)**Date: July 10, 2015****Time: 03:30AM – 05:30PM****Venue: Alumni Seminar Room****Session Chair: Prof. Debesh Kumar Das**

Paper ID	Title
16	Paper Title: Efficient VLSI routing Optimization employing Discrete Differential Evolution Technique Author(s): <i>Suvrajit Manna, Tyajodeep Chakrabarti, Udit Sharma, Subir Kumar Sarkar</i>
58	Paper Title: Design & Study of a Low Power High Speed Full Adder Using GDI Multiplexer Author(s): <i>Biswarup Mukherjee, Aniruddha Ghosal</i>
84	Paper Title: Analysis of resistive load ring oscillator Author(s): <i>Saurav Mandal, Ashis Kumar Mal</i>
137	Paper Title: Strained Si: Opportunities and Challenges in Nanoscale MOSFET Author(s): <i>Rajneesh Sharma, Ashwani K. Rana</i>
252	Paper Title: Implementation of 4-bit carry select adder using Diode free Adiabatic Logic (DFAL) Author(s): <i>Sanjay Singh, K. Srinivasarao</i>

July 11, 2015 : Invited Talks & Technical Sessions (Day - II)

Time	Program
10:00AM – 10:45AM	<p>Invited talk by Prof. Sivaji Chakravorti, Professor, Electrical Engineering Department Jadavpur University</p> <p><i>Title of Talk: Estimation of the Instantaneous Frequency of a Signal</i></p> <p>Venue: Triguna Sen Auditorium</p>
10:45AM – 11:00AM	Tea break
11:00AM – 01:00PM	<p>Technical sessions</p> <p>T9 : Machine Learning and Pattern recognition Venue: K.P. Basu Memorial Hall</p> <p>T10: Image Processing - I Venue: Triguna Sen Auditorium</p> <p>T11: Industrial Applications Venue: Alumni Seminar Room</p> <p>T12: Wireless and Mobile Computing Venue: H. L. Roy Auditorium</p>
01:00PM – 02:30PM	<p>Lunch</p> <p>Venue: Jadavpur University Guest House</p>
02:30PM – 03:15PM	<p>Invited talk by Prof. Bhargab B. Bhattacharya, Professor of Computer Science & Engineering, Indian Statistical Institute, Kolkata, India</p> <p><i>Title of Talk: Microfluidic Biochips: A New Revolution that Integrates Algorithms, Electronics, and Biochemistry</i></p> <p>Venue: Triguna Sen Auditorium</p>
03:15PM – 03:30PM	Tea break
03:30PM – 05:30PM	<p>Technical sessions</p> <p>T13: Natural Language Processing Venue: K.P. Basu Memorial Hall</p> <p>T14: Image Processing - II Venue: H. L. Roy Auditorium</p> <p>T15: VLSI Design and Applications – II Venue: Triguna Sen Auditorium</p>
05:30PM – 05:50PM	<p>Valedictory Session</p> <p>Venue: Triguna Sen Auditorium</p>
05:50PM – 06:00PM	<p>Vote of Thanks by Dr. Nibaran Das, Conference Organizing Chair</p> <p>Venue: Triguna Sen Auditorium</p>

T9: Machine Learning and Pattern recognition ((# Papers: 7)**Date: July 11, 2015****Time: 11:00AM – 01:00PM****Venue: K.P. Basu Memorial Hall****Session Chair: Prof. Ashish Ghosh**

Paper ID	Title
71	Paper Title: Clustering to Determine Predictive Model for News Reports Analysis and Econometric Modeling Author(s): Sanjoy Kumar Mukherjee, Sivaji Bandyopadhyay
72	Paper Title: Condition Monitoring and Diagnostics for Automotive Applications Author(s): Abhisek Ukil
108	Paper Title: A New Dual Band N-Way Wilkinson Power Divider Author(s): Aijaz Mehdi Zaidi
210	Paper Title: A Method of Learning Based Boosting in Multiple Classifier for Color Facial Expression Identification Author(s): Dhananjoy Bhakta, Goutam Sarker
239	Paper Title: An Enhanced Harmony Search Method for Bangla Handwritten Character Recognition Using Region Sampling Author(s): Ritesh Sarkhel, Amit K Saha, Nibaran Das
296	Paper Title: Emotion Argumentation Author(s): D. Chandra Mohan, Dipankar Das, Sivaji Bandyopadhyay
353	Paper Title: Template based Classification of Cardiac Arrhythmia in ECG Data Author(s): Gourav Bansal, Pulkit Gera, Deepti R. Bathula

T10: Image Processing - I ((# Papers: 8)**Date: July 11, 2015****Time: 11:00AM – 01:00PM****Venue: Triguna Sen Auditorium****Session Chair: Prof. Siddhartha Bhattacharya**

Paper ID	Title
31	Paper Title: Human Ringworm Detection using Wavelet Energy Signature Author(s): Manas Saha, Mrinal Kanti Naskar, Biswa Nath Chatterji
82	Paper Title: 4Y Model: A novel approach for Finger Identification using KINECT Author(s): Ahmed Al Marouf, Shaumic Shondipon, Md. Kamrul Hasan, Hasan Mahmud
85	Paper Title: Recognition of whole and deformed plant leaves using statistical shape features and neuro-fuzzy classifier Author(s): Jyotismita Chaki, Ranjan Parekh, Samar Bhattacharya
124	Paper Title: Principal Component Variances based Off-line Signature Verification Author(s): Arunalatha J S, Prashanth C R, Tejaswi V, Shaila K, K B Raja, Dinesh Anvekar, Venugopal K R, S S Iyengar, L M Patnaik
131	Paper Title: An Adaptive Feedback Based Reversible Watermarking Algorithm using Difference Expansion Author(s): Sudip Ghosh, Nachiketa Das, Subhajit Das, Santi Prasad Maity, Hafizur Rahaman
127	Paper Title: A New Local Homogeneity Analysis Method based on Pixel Intensities for Image Defect Detection Author(s): Rajitha B, Anjana Tiwari, Suneeta Agarwal
166	Paper Title: Indic Script Identification from Handwritten Document Images – An Unconstrained Blocklevel Approach Author(s): Sk Md Obaidullah, Chayan Halder, Nibaran Das, Kaushik Roy
289	Paper Title: An Efficient DCT based Image Watermarking Using RGB Color Space Author(s): Priyanka, Sushila Maheshkar

T11: Industrial Applications (# Papers: 6)**Date: July 11, 2015****Time: 11:00AM – 01:00PM****Venue: Alumni Seminar Room****Session Chair: Prof. Atal Chaudhuri**

Paper ID	Title
91	Paper Title: A Simulation Based Algorithm for Seig as an Isolated Power Source for Wind Mills Author(s): Sumant Kumar Mohapatra, Sujit Kumar Khandai, Sushil Kumar Mahapatra, Sukant Kumar Behera
185	Paper Title: Realization of Optimized Aroma Sensing System (E-Nose) with Supporting Software Package to Access Tomato Quality Parameters Author(s): Satyam Srivastava, Saikrishna Vaddadi, Shashikant Sadistap
189	Paper Title: An Optical Sensing System for Quality Parameters Inspection in Tomato Processed Products Based on Lycopene Quantification Author(s): Satyam Srivastava, Swati Ingole, Shashikant Sadistap
255	Paper Title: Development of CAN bus application layer protocol for 6 DOF Shake table Control System Author(s): Tejas V. Unavane, Dr. M. S. Panse, Shiju Varghese, N. L. Soni, R. J. Patel
284	Paper Title: IGoSA - A Novel Framework for Analysis of and Facilitating Government Schemes Author(s): Sabyasachi Mohanty, Amit K. Mishra, Dhruva C. Panda
297	Paper Title: Centralized Auto-tuned IMC-PI Controllers for Industrial Coupled Tank Process with Stability Analysis Author(s): Ujjwal Manikya Nath, Saswati Datta, Chanchal Dey

T12: Wireless and Mobile Computing (# Papers: 5)**Date: July 11, 2015****Time: 11:00AM – 01:00PM****Venue: H. L. Roy Auditorium****Session Chair: Prof. Sankhayan Choudhury**

Paper ID	Title
35	Paper Title: Performance analysis of MIMO based Cooperative Communication in k- μ Fading Channels Author(s): Nagendra Kumar, Brijesh Kumbhani, Rakhesh Singh Kshetrimayum
89	Paper Title: Stability and Energy Aware Reverse AODV Routing Protocol in MANETS Author(s): Sumant Kumar Mohapatra, Biswa Ranjan Swain, Sushil Kumar Mahapatra, Sukant Kumar Behera
163	Paper Title: A Transparent Tree Root Identification Scheme to Support Route-optimization and Network Mobility in PMIPv6 Domain Author(s): Subhajyoti Barman, Ankita Ghosh, Subashis Biswas
187	Paper Title: A Novel Clustering Strategy for Fingerprinting-based Localization System to Reduce the Searching Time Author(s): Arka Saha, Pampa Sadhukhan
292	Paper Title: Single Hop Relay-based CRN: Life-centric Approach Author(s): Sudip Mukherjee, Chinmoy Maji

T13: Natural Language Processing (# Papers: 8)**Date: July 11, 2015****Time: 03:30PM – 05:30PM****Venue: K.P. Basu Memorial Hall****Session Chair: Prof. Utpal Garain**

Paper ID	Title
49	Paper Title: Word Sense Disambiguation in Bengali: A Lemmatized System Increases the Accuracy of the Result Author(s): Alok Ranjan Pal, Diganta Saha, Sudip Naskar, Niladri Sekhar Dash
61	Paper Title: JANA: An Arabic Human-Human Dialogues Corpus Author(s): AbdelRahim A. Elmadany, Sherif M. Abdou, Mervat Gheith
62	Paper Title: MIKA: A Tagged corpus for Modern Standard Arabic and Colloquial Sentiment Analysis Author(s): Hossam S. Ibrahim, Sherif M. Abdou, Mervat Gheith
103	Paper Title: Improving Graph Based Multidocument Text Summarization Using an Enhanced Sentence Similarity Measure Author(s): Kamal Sarkar, Khushbu Saraf, Avishikta Ghosh
132	Paper Title: HOMS: Hindi Opinion Mining System Author(s): Vandana Jha, Manjunath N, P Deepa Shenoy, Venugopal K R, L M Patnaiky
215	Paper Title: A novel approach of Speech Emotion Recognition with prosody, quality and derived features using SVM classifier for a class of North-Eastern Languages Author(s): Amiya Kumar Samantaray, Kamalakanta Mahapatra, Bibek Kabi, Aurobinda Routray
325	Paper Title: Text Normalization in Code-Mixed Social Media Text Author(s): Sukanya Dutta, Tista Saha, Somnath Banerjee, Sudip Kumar Naskar
332	Paper Title: A Memory Based Approach to Bengali Word Sense Disambiguation Using kNN Method Author(s): Rajat Pandit, Sudip Kumar Naskar

T14: Image Processing - II (# Papers: 7)**Date: July 11, 2015****Time: 03:30PM – 05:30PM****Venue: H. L. Roy Auditorium****Session Chair: Prof. Paramartha Dutta**

Paper ID	Title
214	Paper Title: Page-level Handwritten Script Identification using Modified log-Gabor filter based features Author(s): Pawan Kumar Singh, Iman Chatterjee, Ram Sarkar
258	Paper Title: Detection of Macula and Fovea for Disease Analysis in Color Fundus Images Author(s): Dharitri Deka, Jyoti Prakash Medhi, S. R. Nirmala
269	Paper Title: Detection of Hemorrhages in Diabetic Retinopathy analysis using Color Fundus Images Author(s): Priyakshi Bharali, Jyoti Prakash Medhi, Dr. S.R. Nirmala
271	Paper Title: A Lapped Transform Domain Enhanced Lee Filter with Edge Detection for Speckle Noise Reduction in SAR Images Author(s): Deepika Hazarika, Vijay Kumar Nath, Manabendra Bhuyan
300	Paper Title: A Texture based Approach for Automatic Identification of Benign and Malignant Tumor from FNAC Images Author(s): Paramita Das, Trijit Chatterjee, Sukanta Chakraborty, Debasree Mondal, Nibaran Das
319	Paper Title: A New Contrast Enhancement Method of Retinal Images in Diabetic Screening System Author(s): N. S. Datta, P. Saha, H. S. Dutta, D. Sarkar, S. Biswas, P. Sarkar
347	Paper Title: An Image Fusion Technique for Efficient Face Recognition Author(s): Aniruddha Dey, Jamuna Kanta Sing

T15: VLSI Design and Applications – II (# Papers: 66)

Date: July 11, 2015

Time: 03:30PM – 05:30PM

Venue: Triguna Sen Auditorium

Session Chair: Prof. Bhargab B. Bhattacharya

Paper ID	Title
265	Paper Title: A Novel Parallel Memory Design using 2 Dot 1 Electron QCA Author(s): Mili Ghosh, Debarka Mukhopadhyay, Paramartha Dutta
303	Paper Title: Comparative Analysis of Various 9T SRAM Cell at 22-nm Technology Node Author(s): Chandaramauleshwar Roy, Aminul Islam
310	Paper Title: Thermal Aware FPRM based AND-XOR Network Synthesis of Logic Circuits Author(s): Apangshu Das, Sambhu Nath Pradhan
314	Paper Title: A Computational Geometry Based Cell Migration Technique For VLSI Placement Problem Author(s): Subhasree Sengupta, Arindam Sinharay, Tuli Bakshi
326	Paper Title: A 405MHz Integer-N CMOS PLL for Implantable Biomedical Application Author(s): Bhabani Sankar Choudhury, Subir Kr. Maity
330	Paper Title: An efficient hardware design of SIFT algorithm using fault tolerant reversible logic Author(s): Chindrajit Pal, Sudhindu Bikash Mandal, Amlan Chakrabarti, Samik Basu, Ranjan Ghosh