

Programme & Paper Session Schedule

December 22, 2017

| Time | Activity | |
|-----------------|--|--|
| 09:30AM-10:30AM | Inauguration (New Auditorium) | |
| 10:30AM-11:15AM | Keynote 1: Chiranjib Sur, Sr. Computational Scientist, Computational Centre for Excellence, Bangalore <i>"Bits to Barrels – New ways of Computing in the Energy Industry"</i> (New Auditorium) | |
| 11:15AM-11:45AM | Tea Break / Poster Session/Project Presentation | |
| 11:45AM-12:30PM | Keynote 2: Nandini Mukhopadhyay, Professor, Jadavpur University, India <i>"IoT-enabled Remote Healthcare: Opportunities and Challenges"</i> (New Auditorium) | |
| 12:30PM-01:15PM | Keynote 3: Abdul Quaiyum Ansari, Department of Electrical Engineering, Jamia Millia Islamia, New Delhi <i>"From Fuzzy Logic to Neutrosophic Logic: A Paradigme shift and Logics"</i> (New Auditorium) | |
| 01:15PM-02:00PM | Lunch | |
| 02:00PM-03:00PM | Session 1: Computer Vision and Image Processing (Track 1) Paper ID – 98, 111, 178, 179, 311 (Room No. 9, Academic Block-2) | Session 2: Big Data Computing Paper ID - 36, 37, 280 (Room No. 11, Academic Block-2) |
| 03:00PM-03:15PM | Tea Break | |
| 03:15PM-04:45PM | Session 3: Intelligent Communication and Computing Paper-ID - 149, 167, 188, 195, 232, 303, 314, 315 (Room No.9, Academic Block-2) | Session 4: Cryptography and Security Paper ID – 24, 44, 90, 120, 126, 132, 152, 183 (Room No. 11, Academic Block-2) |

December 23, 2017

| Time | Activity | |
|-----------------|---|--|
| 09:15AM-10:00AM | Keynote 4: Vishnu S. Pendyala, Technical Leader, Cisco, Silicon Valley <i>"Addressing Uncertainty on the Web"</i> (New Auditorium) | |
| 10:15AM-11:00AM | Session 5: Grid, Cloud and Distributed Computing Paper ID – 122, 181, 281, 304 (Room No.9, Academic Block-2) | Session 6: IoT and Wireless Communication Paper ID – 139, 164, 169, 276 (Room No. 11, Academic Block-2) |
| 11:00AM-11:15AM | Tea Break | |
| 11:15AM-12:30PM | Session 7: Software Engineering and Intelligent Computing Paper ID - 74, 79, 89, 113, 185, 272 (Room No. 9, Academic Block-2) | Session 8: Computer Vision and Image Processing (Track 2) Paper ID - 47, 109, 140, 190, 244 (Room No. 11, Academic Block-2) |
| 12:30PM-01:30PM | Lunch | |
| 01:30PM-02:15PM | Keynote 5: Madhusudan Singh, Ph.D., Research Professor, YICT, Yonsei University, Songdo, South Korea. <i>"Block chain based Automotive Cyber Security: Perspective, Challenges and Future Trends"</i> (New Auditorium) | |
| 02:15PM-03:15PM | Session 9: Low Power Electronic Devices and VLSI Circuits Paper ID – 57, 28, 97, 176 (Room No. 9, Academic Block-2) | Session 10: Machine Learning Paper ID – 75, 147, 193, 313, 316 (Room No.11, Academic Block-2) |
| 03:15PM-04:30PM | Valedictory (New Auditorium) | |
| | High Tea | |

Paper Session Schedule
DAY 1
**22-12-2017 (2:00 PM – 3:00 PM) Room No. 9, Academic Block-2
Session 1: Computer Vision and Image Processing (Track 1)**

| Paper ID | Title of the Paper | Author Name |
|-----------------|---|---|
| 98 | Detection Time of Machine by Posit Algorithm through Augmented Reality | Suman Bhakar and Devershi Pallavi Bhatt |
| 111 | Automated – Seeded Average Approach of Color Segmentation for Still Color Image and Video | Amit Verma and Bhupendra Singh |
| 178 | Hybrid Image Compression using VQ on Error Image | Prachi Natu, Shachi Natu and Tanuja Sarode |
| 179 | Improved Robust Digital Image Watermarking with SVD and Hybrid Transform | Shachi Natu, Prachi Natu and Tanuja Sarode |
| 311 | Mask Encryption Based Highly Secure Image Steganography | Tarun Jain, Anita Shrotriya, Vivek Kumar Verma and Horesh Kumar |

**22-10-2017 (2:00 PM – 3:00 PM) Room No. 11, Academic Block-2
Session 2: Big Data Computing**

| Paper ID | Title of the Paper | Author Name |
|-----------------|--|---|
| 36 | An Efficient Technique to Improve Resources Utilization for Hadoop MapReduce in Heterogeneous system | Ahmed Qasim Mohammed and Rajesh Bharati |
| 37 | A Novel Approach For Executing Large Datasets By a MCC Model | Kuntam Babu Rao |
| 280 | Big Data Analytics Solution to Healthcare | Manpreet Singh, Vandan Bhatia and Rhythm Bhatia |

**22-12-2017 (3:15 PM – 4:45 PM) Room No. 9, Academic Block-2
Session 3: Intelligent Communication and Computing**

| Paper ID | Title of the Paper | Author Name |
|-----------------|--|--|
| 149 | N-Policy for M/Hk/1 System with Unreliable Server and Setup | Anamika Jain, Praveen Kumar Agrawal and Madhu Jain |
| 167 | SALB: Simulated Annealing with Load Balancing in Distributed Environment | Sandip Kumar Goyal, Virendra Singh Kushwah and Avinash Sharma |
| 188 | Automatic Traffic Sign Recognition System Using Fast Normalized Cross Correlation and Parallel Processing | M. Sridevi, Sankaranarayanan N, Ankit Jyothish, Aditya Vats and Milind Lalwani |
| 195 | Development of Algorithm for Gene Expression Analysis Through MaxEnt Based Multivariate Information Theory | Madhumita Das and Durjoy Majumder |

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| 232 | Hidden Markov Model Based Node Status Prediction Technique for Target Coverage in Wireless Sensor Networks | Pooja Chaturvedi and A. K. Daniel |
| 303 | ABPCBase: Amino acid Bio-Physico-Chemical properties Database and APPDBase: Amino acid Properties Protein Disorder Database | Zakiya Juma Khulaif Al Riyami, Fatma Mubarak Said Al Siyabi, and Smitha Sunil Kumaran Nair |
| 314 | A survey on FOG computing for Smart waste management system | Pooja V. Garach and Rikin Thakkar |
| 315 | Vector Representation of Words for Sentiment Analysis Using GloVe | Yash Sharma, Gaurav Agrawal, Pooja Jain and Tapan Kumar |

**22-12-2017 (3:15 PM – 4:45 PM) Room No. 11, Academic Block-2
Session 4: Cryptography and Security**

| Paper ID | Title of the Paper | Author Name |
|-----------------|--|--|
| 24 | Dynamic Behavior Analysis of Android Applications for Malware Detection | Latika Singh and Markus Hofmann |
| 44 | Annihilator Immunity of a Bent Function | Rajni Goyal |
| 90 | Spam Mail Detection through Data Mining Techniques | Shubhi Shrivastava and Anju R |
| 120 | Analyzing the Role of Entanglement in the Three-Qubit Vaidman's Game | Hargeet Kaur and Atul Kumar |
| 126 | Efficient Entity Resolution using Multiple Blocking Keys for Bibliographic Dataset | Dolly Mittal, Emmanuel S Pilli and Madhuri Gupta |
| 132 | A Boolean-Based Multi-Secret Image Sharing Scheme using Bit-Reversal | Sagar Mal Nitharwal and Harsh Kumar Verma |
| 152 | Face Recognition System for Access Control using Principal Component Analysis | Nikita Bakshi and Vibha Prabhu |
| 183 | Secure Medical Communication Using Sixteen Rectangle Substitution Cipher and Information- Location Dependent Steganography | Mamta Jain and Anil Kumar |

DAY 2

**23-12-2017 (10:15 AM – 11:00 AM) Room No. 9, Academic Block-2
Session 5: Grid, Cloud and Distributed Computing**

| Paper ID | Title of the Paper | Author Name |
|-----------------|--|--|
| 122 | A Novel Dynamic Task Scheduling Strategy for Computational Grid | Sophiya Sheikh, Mohammad Shahid and Aitha Nagaraju |
| 181 | Maintaining Security and Privacy of the Patient's EHR using Cryptographic Organization Based Access Control in Cloud Environment | Afnan Salem Babrahem and Muhammad Mostafa Monowar |
| 281 | A Systematic Analysis of Nature Inspired Workflow Scheduling Algorithm in Heterogeneous Cloud Environment | Richa Jain, Neelam Sharma and Pankaj Jain |
| 304 | Impact of load diversity on DR allocation and Operation | Neeraj Kanwar, Nikhil Gupta, K. R. Niazi and Anil Swarnkar |

| 23-12-2017 (10:15AM – 11:00AM) Room No. 11, Academic Block 2 | | |
|---|---|--|
| Session 6: IoT and Wireless Communication | | |
| Paper ID | Title of the Paper | Author Name |
| 139 | The Internet of Intelligent Things: An Overview | Bharti Nathani and Rekha Vijayvergia |
| 164 | Structural Health Monitoring System Using IOT and Wireless Technologies | Brinda Chanv, Sunil Bakhru and Vijay Mehta |
| 169 | Q-factor and BER Performance Analysis of Inter-Satellite Optical Wireless Communication Using 26 Transponders | Ikkurthy Kavya Sri and Avireni Srinivasulu |
| 276 | A Novel AODV Technique with Varying Area In MANET | Purushottam Kumar, Vijay Kumar Sharma and Anupriya Singhal |
| 23-12-2017 (11:15 AM – 12:30 PM) Room No. 9, Academic Block-2 | | |
| Session 7: Software Engineering and Intelligent Computing | | |
| Paper ID | Title of the Paper | Author Name |
| 74 | AVINASH – A Three Tier Architectural Metric Suit for the Effort Estimation in Testing of OOS | Neha Kashyap, Prashant Vats and Manju Mandot |
| 79 | A Robust and Novel Regression Based Fuzzy Time Series Algorithm for Prediction of Rice Yield | Anshul Garg and Bindu Garg |
| 89 | A Lung Cancer Diagnostic Framework Using Gene Prediction Graph | Partho Mallick, Priyanka Seth, Anupam Ghosh and Jayanta Poray |
| 113 | Perusal of Web Application Security Approach | Ashikali M Hasan, Divyakant T. Meva, Anil K Roy and Jignesh Doshi |
| 185 | Predictive Model for Stem Cell Transplantation with Suicidal Gene Construct for the Treatment of Leukemia | Probir K. Dhar, Tarun K. Naskar and Durjoy Majumder |
| 272 | Analysis of Workspace Awareness Tools in Distributed Software Development | Inderdeep Kaur, Parminder Kaur and Hardeep Singh |
| 23-12-2017 (11:15 PM – 12:30 PM) Room No. 11, Academic Block-2 | | |
| Session 8: Computer Vision and Image Processing (Track 2) | | |
| 47 | Comparative Study For Vision Based and Data Base Hand | Oinam Robita Chanu, Anushree Pillai, Spandan Sinha and Piyanka Das |
| 109 | A Formulation Approach with Hybrid Wavelet Transform for High Efficiency Video Coding | Perla Anitha, P. Sudhakara Reddy and M. N. Giri Prasad |
| 140 | Optimized FFNN Based Tumor and Edema Segmentation | Rehna Kalam and M Abdul Rahman |
| 190 | A Novel Saliency Mapping Approach For Joint Multiview Video Plus Depth Coding | T.Manasa veena, D. Satyanarayana and M. N. Giri Prasad |
| 244 | An Empirical Enhancement Using Scale Invariant Feature Transform in Text Extraction from Images | Kirti Kaur Sahota, Lalit Kumar Awasthi and Harsh Kumar Verma |

**23-12-2017 (2:15 PM – 3:15 PM) Room No. 9, Academic Block-2
Session 9: Low Power Electronic Devices and VLSI Circuits**

| Paper ID | Title of the Paper | Author Name |
|-----------------|---|---|
| 28 | Differential Double Tail Dynamic CMOS Voltage Comparator | Priyesh. P. Gandhi and N. M. Devashrayee |
| 57 | A 5.8 GHz Inset-Fed Rectenna for RF Energy Harvesting Applications | Karush Suri, Mohit Mohta, Asmita Rajawat and Sindhu Hak Gupta |
| 97 | The Super- Diode- DRAM (SD-DRAM) — A Comparative Approach For CMOS Memory Cell To Obtain Low Power Consumption and Read/Write Access Time | Paramita Chowdhury, Kuheli Pramanik, Aparajita Datta Sinha and Subarna Bhattacharya |
| 176 | Miniaturization of Power Divider through Open Circuited Stubs | Anshul Kumar and Anurag Vidyarthi |

**23-12-2017 (2:15 PM – 3:15 PM) Room No. 11, Academic Block-2
Session 10: Machine learning**

| Paper ID | Title of the Paper | Author Name |
|-----------------|--|---|
| 75 | An Efficient Approach for Opinion Mining from Skewed Twitter Corpus using Over Sampled Imbalance Data Learning | Salina Adinarayana and E Ilavarasan |
| 147 | SeRA: Suggestive Recommender Algorithm A Framework for Guiding Online Customer Behaviour | Saurabh Ranjan Srivastava and Harpreet Singh Gill |
| 193 | Deep Models for Phonocardiography (PCG) Classification | Sujadevi VG, Soman KP, Vinayakumar R and Prem Sankar AU |
| 313 | CPU-GPU Implementation of Ensemble Clustering Algorithm for Increased Performance | Vinay B Gavirangaswamy and Ajay Gupta |
| 316 | Urdu Ligature Recognition Techniques - A Review | Gurvir Kaur, Sukhdev Singh and Ajit Kumar |