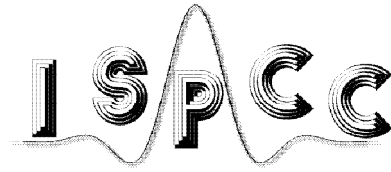


**4<sup>th</sup> IEEE International Conference on Signal Processing, Computing and Control  
(ISAPCC – 2k17) 21<sup>st</sup> – 23<sup>rd</sup> September 2017**  
*Programme*

**Day I: Thursday, 21<sup>st</sup> September 2017**

Time	Activity	Speaker / Session Chair	Theme / Track	Venue
08:00 am - 09:00 am	<b>Breakfast</b>			Annapurna
08:30 am - 09:30 am	<b>Registration</b>			
09:30 am – 10:00 am	<b>Inaugural</b>			LT-3
10:00 am – 11:00 am	Key note Session – 1	<b>Prof. Panicos Kyriacou</b> <i>Professor, EE Departement City University London</i>	Sensors and Signals in Clinical Monitoring and Diagnosis of Disease	LT-3
11:00 am – 11:30 am	<b>Inaugural Tea</b>			
11:30 am – 12:30 pm	Session – 1A		Track – 1: Signal Processing	CR-6
	Session – 1B		Track – 4: Control and Automation	CR-7
	Session – 1C		Track – 5: Software Engg. and Emerging Technologies	CR-8
12:30 pm – 1:30 pm	Special Talk	<b>Mr. Vineet</b> <i>BIOPAC Systems</i>	Inquiry-Based Biomedical Signal Processing Laboratory: From Practice to Simulation	CR8
01:30 pm – 02:45 pm	<b>Lunch</b>			Annapurna
02:50 pm – 03:50 pm	Key note Session – 2	<b>Prof. H.K. Sardana</b> <i>Chief Scientist, CSIR-CSIO, Chandigarh</i>	Medical Image Acquisition, Processing, Analysis and Applications	LT-3
03:50 pm – 04:00 pm	<b>Tea Break</b>			
04:00 pm – 05:00 pm	Session – 2A		Track – 1: Signal Processing	CR-6
	Session – 2B		Track – 2: Network and Communication	CR-7
	Session – 2C		Track – 5: Software Engg. and Emerging Technologies	CR-8
07:00 pm onwards	<b>Conference Dinner</b>			Resort Eutopia

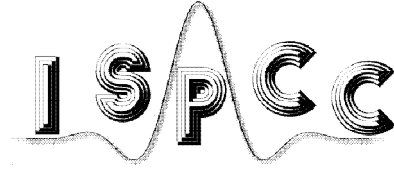


**4<sup>th</sup> IEEE International Conference on Signal Processing, Computing and Control  
(ISAPCC – 2k17) 21<sup>st</sup> – 23<sup>rd</sup> September 2017**

*Programme*

**Day II: Friday, 22<sup>nd</sup> September 2017**

Time	Activity	Speaker / Session Chair	Theme / Track	Venue
08:00 am – 09:00 am	<b>Breakfast</b>			Annapurna
09:30 am – 10:30 am	Session – 3A		Track – 1: Signal Processing	CR-6
	Session – 3B		Track – 4: Control and Automation	CR-7
	Session – 3C		Track – 5: Software Engg. and Emerging Technologies	CR-8
10:30 am – 11:00 am	<b>Tea Break</b>			
11:00 am – 12:00 pm	Key note Session – 3	<b>Prof. Dinesh Kumar</b> <i>Professor, Electrical and Biomedical Engineering, RMIT University, Australia</i>	Development of Advanced Image and Signal Processing Techniques for Disease Diagnostic Devices: Process and Examples	LT-3
12:00 pm – 01:30 pm <b>THEME BASED</b>	Session – 4A	<b>Dr. Ashima Kalra</b> <i>Chandigarh Engineering College, Landran, Mohali</i>	Recent trends in Communication, Computational Intelligence and Image Processing	CR-5
	Session – 4B	<b>Dr. Nikhil Marriwala</b> <i>UIET, Kurukshetra University</i>	Wireless Communication and Signal Processing	CR-6
	Session – 4C	<b>Dr. Ajay Jangra</b> <i>UIET, Kurukshetra University</i>	Cloud Computing and Internet of Things- CCIoT	CR-7
	Session – 4D	<b>Dr. Amit Kumar</b> <i>MRSP Technical University, Bathinda, Punjab</i>	Theme Based Special Session	CR-8
01:30 pm – 02:30 pm	<b>Lunch</b>			Annapurna
02:30 pm – 03:30 pm	Special Talk	<b>Mr. J.K.L. Prasad</b> <b>Mr. Muktesh Sharma</b> <i>AD Instruments</i>	Bio Medical Signal Processing (Wired techniques v/s Wireless techniques)	LT-3
03:30 pm – 04:00 pm	<b>Tea Break</b>			
04:00 pm – 05:00 pm	Session – 5A		Track – 1: Signal Processing	CR-6
	Session – 5B		Track – 1: Signal Processing	CR-7
	Session – 5C		Track – 2: Network and Communication	CR-8
07:00 pm onwards	<b>Dinner</b>			Annapurna

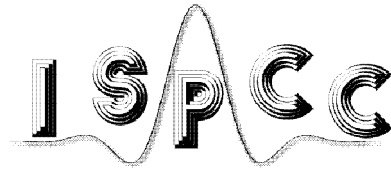


**4<sup>th</sup> IEEE International Conference on Signal Processing, Computing and Control  
(ISAPCC – 2k17) 21<sup>st</sup> – 23<sup>rd</sup> September 2017**

**Programme**

**Day III: Saturday, 23<sup>rd</sup> September 2017**

Time	Activity	Speaker / Session Chair	Theme / Track	Venue
08:00 am – 09:00 am	<b>Breakfast</b>			Annapurna
09:30 am – 11:00 am	Session – 6A		Track – 1: Signal Processing	CR-5
	Session – 6B		Track – 2: Network and Communication	CR-6
	Session – 6C		Track – 3: VLSI and Embedded Computing	CR-7
	Session – 6D		Track – 5: Software Engg. and Emerging Technologies	CR-8
11:00 am onwards	<b>Valedictory</b>			



## SESSION – 1A

**TRACK – 1: Signal Processing**  
**VENUE : CR6**

**DATE: 21<sup>st</sup> September 2017**  
**TIME: 11:30 AM - 12:30 PM**

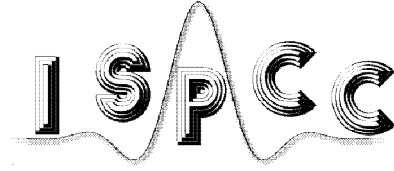
S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1670377042	<b>Polynomial based Fractal Image Compression using dwt screening</b> <i>Pradeep Chauhan, Dr. Bhumika Gupta, Upendra Ballabh</i>
2.	1570361346	<b>Impact of Emotions to Analyze Gender through Speech Technique</b> <i>Bhavana Narain, Punrnima Shah, Manjushree Nayak</i>
3.	1570367086	<b>A comparative analysis of various speckle reduction techniques for ultrasound images</b> <i>Simarjot Kaur, Randhawa, Ramesh Kumar Sunkaria</i>
4.	1570369682	<b>Performance Comparison Of Orientation Sensitive Filters For Low Quality Fingerprints</b> <i>Aniruddha Garge, Dr. Sunil Karamchandani, Dr. Zia Saquib</i>
5.	1570375449	<b>Segmentation of Magnetic Resonance Images of Brain using Thresholding Techniques</b> <i>Jyotsna Dogra, Meenakshi Sood, Shruti jain, Navdeep</i>

## SESSION – 1B

**TRACK – 4: Control and Automation**  
**VENUE : CR7**

**DATE: 21<sup>st</sup> September 2017**  
**TIME: 11:30 AM - 12:30 PM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1570375770	<b>Comparative Empirical Usability Assessment of Two HRI Input Devices for a Mobile Robot</b> <i>Vasudev S Mallan, Syam Gopi, Alexander Muir, Rao R Bhavani</i>
2.	1570376344	<b>A State of the Art of DC Microgrids for Electric Vehicle Charging</b> <i>Sachpreet Kaur, Tarlochan Kaur, Rintu Khanna, Parampal Singh</i>
3.	1570376369	<b>Design and analysis of Slotted Cantilever Structure for Piezoelectric Energy Harvesting</b> <i>Prateek Asthana, Gargi Khanna</i>
4.	1570377742	<b>Robust control design for DC-DC converters using Fuzzy Logic Controller</b> <i>Kartik Sharma, Dheeraj Kumar Palwalia</i>
5.	1670377031	<b>Identification of Time Varying Non-linear Systems using Hermite Polynomials</b> <i>Avinash Kumar Srivastava, Harish Parthasarathy, Tarun Kumar Rawat</i>



## SESSION – 1C

**TRACK – 5: Software Engg. and Emerging Technologies**  
**VENUE : CR8**

**DATE: 21<sup>st</sup> September 2017**  
**TIME: 11:30 AM - 12:30 PM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1670377004	<b>Design of Miniaturized Micro-strip Patch Antenna for Low Frequency Mobile Communication</b> <i>Deepak, Abhilasha</i>
2.	1670377010	<b>Twitter based model for emotional state classification</b> <i>Ravinder Ahuja, Rohan Gupta, Saurabh Sharma, Ayush Govil, Karthik Venkataraman</i>
3.	1670377020	<b>A Review on Lightweight Cryptography Algorithms for Data Security and Authentication in IoTs</b> <i>Isha Bhardwaj, Ajay Kumar, Manu Bansal</i>
4.	1670377043	<b>Combinatorial Problem optimization using TLBO</b> <i>Sahil Saharan, J.S. Lather, R.Radhakrishnan</i>
5.	1670377073	<b>A Survey On Cost Aware Task Allocation Algorithm For Cloud Environment</b> <i>Manisha Gupta, Anurag Jain</i>
6.	1670377049	<b>A Review on VANET Security Attacks and Their Countermeasure</b> <i>Deeksha, Ajay Kumar, Manu Bansal</i>
7.	1670377040	<b>Lightweight Cipher Algorithms for Smart Cards Security: A Survey and Open Challenges</b> <i>Jaskaranbeer Kaur, Ajay Kumar, Manu Bansal</i>



## SESSION – 2A

**TRACK – 1: Signal Processing**  
**VENUE : CR6**

**DATE: 21<sup>st</sup> September 2017**  
**TIME: 04:00 PM - 05:00 PM**

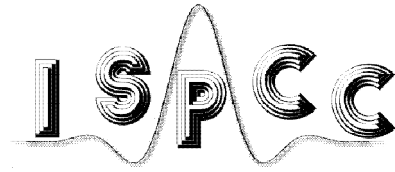
S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1570371272	<b>Performance analysis of Real time Object Tracking System based on Compressive Sensing</b> <i>Urvi, Anil Agrawal, Preetida Vinayakray Jani</i>
2.	1570371288	<b>Three Stage Robust Attendance Recording and Monitoring Using Social Media Platform, Image Processing and Cloud Computing</b> <i>Geetika Jain Saxena, Rajshekhar Mukherjee, Dharmendra Kumar Mahato, Nikhil Sharma, Haris Ahmed, Mohd. Azharuddin, Mohd. Nauman, Amit Pundir</i>
3.	1570374241	<b>Low-Cost Color Space Based Image Compression Algorithm for Capsule Endoscopy</b> <i>Nithin Varma Malathkar, Surender Kumar Soni</i>
4.	1570375438	<b>Morphological based Moving Object Detection with Background Subtraction</b> <i>Method Rudrika Kalsotra, Sakshi Arora</i>
5.	1570371566	<b>HPCC:An Ensembled Framework for the Prediction of the onset of Diabetes</b> <i>Harnoor Kaur, Shalini Batra</i>

## SESSION – 2B

**TRACK – 2: Network and Communication**  
**VENUE : CR7**

**DATE: 21<sup>st</sup> September 2017**  
**TIME: 04:00 PM - 05:00 PM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1570371400	<b>BHARKS: Built-in Hardware Authentication using Random Key Sequence</b> <i>Manoj Reddy D, Akshay KP, Giridhar R, Karan S, Mohankumar N</i>
2.	1570373790	<b>A Novel distributed Key Management for Mobile Ad hoc Networks using Curve Fitting-Least Squares</b> <i>Dr.K.R.Ramkumar, Amanpreeth Kaur</i>
3.	1570373825	<b>The prodigy of nano-core technology- 5G</b> <i>Sumit Bhardwaj, Aayushi Rachana, Rajat Singh, Punit Gupta</i>
4.	1570363851	<b>Performance Comparison of Type-1 and Type-2 Fuzzy Logic Systems</b> <i>K. A. Naik, C. P. Gupta</i>
5.	1670377019	<b>A 2.4 GHz high power efficiency BPSK RF transmitter for Wi-Fi in 130 nm CMOS</b> <i>Himani Mudgill Paurush Bhulania</i>
6.	1570373338	<b>Frequency Scaling Based Energy Efficient Bengali Unicode Reader Design for 28 nm and 40nm FPGA</b> <i>Amanpreeth Kaur, Sunny Singha, K.R. Ramkumar</i>



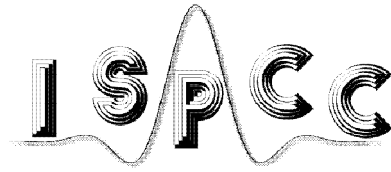
## SESSION – 2C

**TRACK – 5: Software Engg. and Emerging Technologies**  
**VENUE : CR8**

**DATE: 21<sup>st</sup> September 2017**  
**TIME: 04:00 PM - 05:00 PM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1570374466	<b>A Hybrid Approach for Detection of Type-1 Software Clones</b> <i>Pratiksha Gautam, Hemraj Saini</i>
2.	1570376457	<b>Recent Trends of Workflow Scheduling Algorithms in Cloud Computing Under Qos Constraints</b> <i>Niharika, Baij Nath Kaushik, Naveen Kumar Gondhi</i>
3.	1570376612	<b>Pairwise Sequence Alignment Method Using Flower Pollination Algorithm</b> <i>Yadvir Kaur, Neelofar Sohi</i>
4.	1570377026	<b>A Comparative Performance Analysis of Fuzzy C-means based Methods for Segmentation of Brain Magnetic Resonance Images</b> <i>Nighat Nazir</i>





### SESSION – 3A

**TRACK – 1: Signal Processing**

**VENUE : CR6**

**DATE: 22<sup>nd</sup> September 2017**

**TIME: 09:30 AM -10:30 AM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1570375453	<b>Lane line detection in real time based on morphological operations for driver assistance system</b> <i>Kodeeswari M, Dr.Philemon Daniel</i>
2.	1570375533	<b>Digital 3d Barcode Image as a Container For Data Hiding Using Steganography</b> <i>Rama Rani, Er. Gaurav Deep</i>
3.	1570376388	<b>ON current Improvement techniques for Double Gate-Tunnel Field Effect Transistor</b> <i>Satyam Kumar, Gargi Khanna</i>
4.	1670377062	<b>Robust Approach of Copyright Protection For Digital Videos Using Zero Padding Algorithm Technique</b> <i>Jabir Ali, Satya Prakash Ghrera</i>
5.	1570373616	<b>A Comparative Study of Edge Detectors in Digital Image Processing</b> <i>Ashutosh Sharma, Mohd Dilshad Ansari, Rajiv Kumar</i>
6.	1570356727	<b>Direction-finding Accuracy of an Air Acoustic Vector Sensor in Correlated Noise Field</b> <i>Mohd Wajid, Arun Kumar, Rajendar Bahl</i>

### SESSION – 3B

**TRACK – 4: Control and Automation**

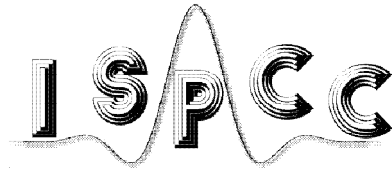
**VENUE : CR7**

**DATE: 22<sup>nd</sup> September 2017**

**TIME: 09:30 AM -10:30 AM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1670377039	<b>Hybrid Improved Technique for Data Security and Authentication for RFID Tags</b> <i>Anandika Sharma, Dr.Amardeep singh</i>
2.	1670377065	<b>Proposed IoT Framework using Third Party with Enhanced Security Effy</b> <i>Raja Naru, Hemraj Saini, Geetanjali Rathee</i>
3.	1570377724	<b>Model Order Reduction and Approximation Analysis for Control System Design</b> <i>Mohit Garg</i>
4.	1570376737	<b>Modelling and identification of single area power system for load frequency control</b> <i>Mann Gupta, Akshay Walia, Sparsh Gupta, Afzal Sikander</i>
5.	1570377047	<b>Edge Detection of Malaria Parasites Using Ant Colony Optimization</b> <i>Damandeep Kaur, Gurjot Kaur Walia</i>



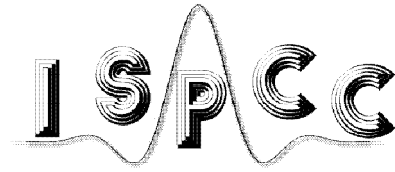


## SESSION – 3C

**TRACK – 5: Software Engg. and Emerging Technologies**  
**VENUE : CR8**

**DATE: 22<sup>nd</sup> September 2017**  
**TIME: 09:30 AM -10:30 AM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1570360323	<b>An Energy Efficient Location Estimation Technique for Wireless Sensor Networks</b> <i>Jagadeesh Kakarla</i>
2.	1570369835	<b>Identifying Big Data Dimensions and Structure</b> <i>Dr. Meenu Dave, Jahangir Kamal</i>
3.	1570370708	<b>Arrival based Deadline aware Job Scheduling Algorithm in Cloud</b> <i>Rajesh Kumar, Swati Gupta</i>
4.	1570370784	<b>Interference Aware Scheduling of Tasks on Cloud</b> <i>Dr. Rajesh Kumar, Simran Setia</i>
5.	1570371058	<b>Genetic Algorithm Based Scheduling To Reduce Energy Consumption In Cloud</b> <i>Paridhi Naithani, Dr Rajesh Kumar</i>
6.	1570377098	<b>New Flower Pollination based Algorithm for Task Scheduling in Cloud Environment</b> <i>Jaspinder Kaur, Er. Brahmaleen Kaur Sidhu</i>



### SESSION – 4A

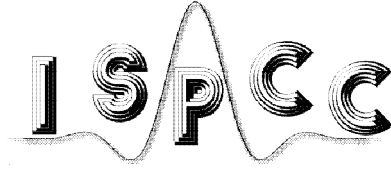
**TRACK: Recent trends in Communication, Computational Intelligence and Image Processing**

**DATE: 22<sup>nd</sup> September 2017**

**VENUE : CR5**

**TIME: 12:00 PM - 01:30 PM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1570356681	<b>A Solution to the Hidden Node Problem in Cognitive Radio Networks</b> <i>Tanu, Dilpreet Kaur</i>
2.	1570362517	<b>Salient Infrared Target and Visible Image Fusion Based on Morphological Segmentation</b> <i>Pawanjot Kaur, Harbinder Singh, Vinay Kumar</i>
3.	1570362563	<b>An Efficient Approach for Image Denoising Based on Edge-aware Bilateral Filter</b> <i>Arshdeep Kaur, Harbinder Singh, Dinesh Arora</i>
4.	1570363036	<b>Review on various authentication scheme over cloud computing</b> <i>Manjot Kaur, Amit Verma, Iqbaldeep kaur, Dolly Sharma</i>
5.	1570363246	<b>Hybrid Artificial Neural Network for Data Classification Problem</b> <i>Jaspreet Kaur, Ashima Kalra</i>
6.	1570369057	<b>An Advance 2D Face Recognition by Feature Extraction (ICA) and Optimize Multilayer Architecture</b> <i>Rajwant Kaur, Dolly Sharma, Amit Verma</i>
7.	1570372991	<b>A Novel Approach for IR Target Localization Based on IR and Visible Image Fusion</b> <i>Harbinder Singh, Haya Fatima, Samreeti Sharma, Dinesh Arora</i>
8.	1570376668	<b>Stability analysis of feedback linearized Magnetic Levitation System using Sum-Of-Squares method</b> <i>Bhawna Tandon, Dr. Sukhdeep Kaur, Ashima Kalra</i>
9.	1570376681	<b>M-SIFT:A detection algorithm for Copy move image forgery</b> <i>Tarman, Hardeep Saini</i>

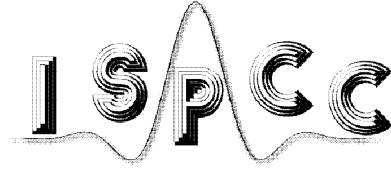


## SESSION – 4B

**TRACK: Wireless Communication and Signal Processing**  
**VENUE : CR6**

**DATE: 22<sup>nd</sup> September 2017**  
**TIME: 12:00 PM - 01:30 PM**

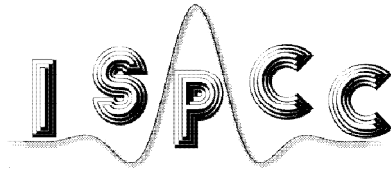
S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1570355307	<b>Genetic Optimized Data Deduplication for Distributed Big Data Storage Systems</b> <i>Naresh Kumar, Shobha Antwal, Ganesh Samarthyam, S.C Jain</i>
2.	1570366176	<b>Hybrid Leach Based Cluster Head Election in Wireless Sensor Networks</b> <i>Manisha Guray, Nikhil Marriwala, Nafeesh Ahmed</i>
3.	1570366177	<b>Improved Distance Energy Based Leach Protocol for Cluster Head Election in Wireless Sensor Networks</b> <i>Shweta Gupta, Nikhil Marriwala</i>
4.	1570371636	<b>Transition from Conventional to Modern Grids</b> <i>Pratik Kalkal, Vijay Kumar Garg</i>
5.	1570371655	<b>THD Analysis of Cascaded H-Bridge Multi-Level Inverter</b> <i>Gurcharan Singh, Vijay Kumar Garg</i>
6.	1570376747	<b>Optimal Sizing of Standalone Small Rotor Wind and Diesel System with Energy Storage for Low Speed Wind Operation</b> <i>Richa Prajapati , Vijay KumarGarg</i>
7.	1670377037	<b>A New Proposal for Time Domain Features of EMG Signal on Individual Basis over Conventional Space</b> <i>Vineet Kumar</i>
8.	1570370286	<b>Comparative Analysis Between SVM &amp; KNN Classifier for EMG Signal Classification on Elementary Time Domain Features</b> <i>Yogesh Paul, Vibha Goyal, RamAvtar Jaswal</i>
9.	1570375133	<b>Role of Management &amp;Virtual Space for the Rehabilitation of Children Affected with Cerebral Palsy: A Review</b> <i>Apurva Deep, RamAvtar Jaswal</i>



## SESSION – 4C

**TRACK: Cloud Computing and Internet of Things-CCIoT DATE: 22<sup>nd</sup> September 2017**  
**VENUE : CR7 TIME: 12:00 PM - 01:30 PM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1570376655	<b>Expositioning of Cryptography Techniques in IoT Domain</b> <i>Priyanka Jangra, Monish Gupta</i>
2.	1570362107	<b>Modified Centralized Approach for Preventing Collision at Traffic Intersection</b> <i>Ruchika Chawla, Prateek Thakral, Akshay Kumar Kaura, Kapil Gupta</i>
3.	1570365607	<b>Effect of Multiple Membranes on Capacitive Micromachined Ultrasonic Transducers</b> <i>Rashmi Sharma, Rekha Agarwal, Ashwani Kumar Dubey, Anil Arora</i>
4.	1570369540	<b>Gesture Controlled Robot using Accelerometer</b> <i>Rashmi Vashisth, Akshit Sharma, Shantanu Malhotra, Saurabh Deswal, Aman Budhraj</i>
5.	1570376590	<b>Healthcare Data Privacy Measures to Cure &amp; Care Cloud Uncertainties</b> <i>Niharika Singh, Ajay Jangra, Irraivan Elamvazuthi, Kanupriya Kashyap</i>
6.	1570374910	<b>Arrhythmia Discrimination Using Support Vector Machine</b> <i>Monika Rani, Ekta, Reeta Devi</i>
7.	1570375118	<b>Optimal Choice of Thresholding Rule for Denoising ECG using DWT</b> <i>Renu Chauhan, Reeta Dahiya, Puneet Bansal</i>
8.	1570367724	<b>Implementation and Analysis of Smart Helmet</b> <i>Rashmi Vashisth, Aditya Jain, Sanchit Gupta, Sarthak Gupta, Sahill, Prashant Rana</i>

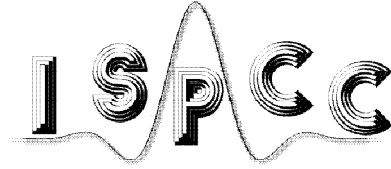


## SESSION – 4D

**TRACK: Theme Based Special Session**  
**VENUE : CR8**

**DATE: 22<sup>nd</sup> September 2017**  
**TIME: 12:00 PM - 01:30 PM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1570371483	<b>ANFIS Based Kinematic Analysis of a 4-DOFs SCARA Robot</b> <i>Jyotindra Narayan, Ashish Singla</i>
2.	1570377571	<b>Performance Analysis of Message Authentication Algorithms in Wireless Sensor Networks</b> <i>Vandana Mohindru, Yashwant Singh</i>
3.	1570371205	<b>A Novel Localized Approach for Efficient delivery of Software Products</b> <i>Diksha Hooda, Dr. Rinkle Rani</i>
4.	1570366521	<b>Comparison on different image formats using LSB Steganography</b> <i>Harpreet Kaur, Ajay Kakkar</i>
5.	1570375338	<b>Review of Biomedical System for High Performance Applications</b> <i>Navdeep Parashar, Shruti Jain, Meenakashi Sood, Jyotsna Dogra</i>
6.	1670377072	<b>FPGA Implementation of Unsigned Multiplier Circuit Based on Quaternary Signed Digit Number System</b> <i>Radhika Thakur, Shruti Jain</i>
7.	1670377033	<b>Performance analysis of range free localization methods for wireless sensor networks</b> <i>Ananya Dwivedi, P. Raghu Vamsi</i>
8.	1570368697	<b>An efficient antilogarithmic converter by using 11-regions error correction scheme</b> <i>Durgesh Nandan, Anurag Mahajan, Jitendra Kanungo</i>
9.	1570369080	<b>Enhance Satellite Image Classification Based On Fuzzy Clustering And Marr-Hildreth Algorithm</b> <i>RupinderKaur, Dolly Sharma, Dr. Amit Verma</i>
10.	1570369728	<b>Multimodal Biometrics By Fusion For Security Using Genetic Algorithm</b> <i>Nancy Bansal, Dr. Amit Verma, Ms. Iqbaldeep Kaur, Ms. Dolly Sharma</i>



## SESSION – 5A

**TRACK – 1: Signal Processing**  
**VENUE : CR6**

**DATE: 22<sup>nd</sup> September 2017**  
**TIME: 04:00 PM - 05:00 PM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1670377029	<b>Non-invasive EEG-metric based Stress Detection</b> <i>Gaurav, R. S. Anand, Vinod Kumar</i>
2.	1670377032	<b>Image Stitching using Sift, Surf, Brisk and Orb: Comparing Noisy Images</b> <i>Sarabjeet Kaur, Er. Sumandeep Kaur</i>
3.	1670377035	<b>Effects of sinus rhythm on atrial ECG components using modified limb lead system</b> <i>Sivaraman J, Renu John</i>
4.	1570366787	<b>Performance Analysis of MIMO-OFDM System with Transceiver Hardware Impairments</b> <i>Anuj Singal, Deepak Kedia, Naveen Jaglan, Samir Dev Gupta</i>

## SESSION – 5B

**TRACK – 1: Signal Processing**  
**VENUE : CR7**

**DATE: 22<sup>nd</sup> September 2017**  
**TIME: 04:00 PM - 05:00 PM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1570371486	<b>A Filter Bank Architecture Based on Wavelet Transform for ECG Signal Denoising</b> <i>Ashish Kumar, Rakesh N. Tiwari, Manjeet Kumar, Yogendera Kumar</i>
2.	1670377045	<b>Combinational Feature Approach: Performance Improvement in Image Processing Based Leaf Disease Classification</b> <i>Manisha Goswami, Saurabh Maheshwari, Amarjeet Poonia</i>
3.	1570369082	<b>Contrast and Color Improvement based Haze Removal of Underwater Images using Fusion Technique</b> <i>Ritu Singh, Mantosh Biswas</i>
4.	1670377001	<b>Analogize Process Mining Techniques in Healthcare: Sepsis Case Study</b> <i>GuneetKukreja ShaliniBatra</i>
5.	1670377063	<b>Generalized Hebbian Algorithm Based Technique For Image Compression</b> <i>Sagar Sachdeva Vinay Kumar Vivek SinghBawa</i>



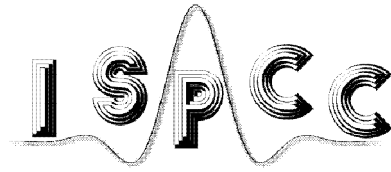
## SESSION – 5C

**TRACK – 2: Network and Communication**  
**VENUE : CR8**

**DATE: 22<sup>nd</sup> September 2017**  
**TIME: 04:00 PM - 05:00 PM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1570354645	<b>Performance Analysis of a SAC-OCDMA FSO Network</b> <i>Dr. Urmila Bhanja, Alamasety Swati, Arpita Khuntia</i>
2.	1570369436	<b>Performance Analysis of a Three Dimensional OCDMA Code</b> <i>Urmila Bhanja, Sutikshna Singhdeo</i>
3.	1570377140	<b>Trust and packet load balancing based Secure Opportunistic Routing Protocol for WSN</b> <i>Nagesh Kumar, Yashwant Singh</i>
4.	1570374216	<b>Real Time implementation of Fast Sequency-Ordered Complex Hadamard Transform based Parzen Window Entropy Spectrum Sensing Algorithm for Cognitive Radio</b> <i>H.Yerranna, Varaprasad Revu, Swetha Namburu, Samrat L Sabat</i>





## SESSION – 6A

**TRACK – 1: Signal Processing**  
**VENUE : CR5**

**DATE: 23<sup>rd</sup> September 2017**  
**TIME: 09:30 AM -11:00 AM**

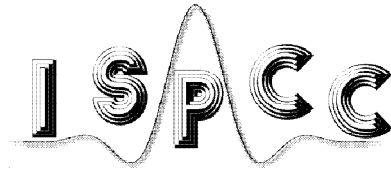
S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1670377047	<b>Modus Operandi for the diagnosis of QRS complex utilising the optimisation of the particle swarm</b> <i>Upendra Ballabh, Dr. Bhumika Gupta, Pradeep Chauhan</i>
2.	1670377053	<b>FPGA Implementation of Reconfigurable Architecture for Half-band FIR Filters</b> <i>Avi Goswami, Meenakshi Agarwal, Tarun Kumar Rawat, Kunwar Singh</i>
3.	1670377057	<b>Comparative Analysis of Color and Texture Feature in Content Based Image Retrieval</b> <i>Jaspreet Kaur</i>
4.	1670377058	<b>A Technique for Face Verification across Age Progression with large age gap</b> <i>Garima Verma, Alka Jindal, Dr. Savita Gupta, Dr. Lakhwinder Kaur</i>
5.	1670377064	<b>Computational Model Predictions of Level Dependent Changes in Vowel Identification With Addition of Rate Cue</b> <i>Pranav Misra, Ananthakrishna Chintanpalli</i>
6.	1670377041	<b>Palm Print ROI Extraction using Bresenham Line Algorithm</b> <i>Gaurav Jaswal, Gaurav Jaswal, Ravinder Nath</i>

## SESSION – 6B

**TRACK – 2: Network and Communication**  
**VENUE : CR6**

**DATE: 23<sup>rd</sup> September 2017**  
**TIME: 09:30 AM -11:00 AM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1570376137	<b>A Novel technique of Cloud security based on Hybrid encryption by Blowfish and MD5</b> <i>Adviti Chauhan, Jyoti Gupta</i>
2.	1570376215	<b>Comparative Analysis of Hexagonal VLC Nodes Deployment Schemes</b> <i>Shashikant, Parul Gargy, Akash Gupta</i>
3.	1670377027	<b>Design and Implementation of Wireless Communication System for Toll Collection using Lifi</b> <i>Dilpreet Singh, Akhil Sood, Gulshan thakur, Nikhil Arora, Alok Kumar</i>
4.	1570376154	<b>Improved approach of co-operative Gray Hole attack prevention monitor by Meta-heuristic on MANET</b> <i>Geetanjali, Jyoti Gupta</i>
5.	1670377085	<b>An Insight to Forest Fire Detection Techniques using Wireless Sensor Networks</b> <i>Pradeep Kumar Singh Amit Sharma</i>
6.	1570365244	<b>Improved APIT Localization Algorithm In Wireless Sensor Networks</b> <i>Shubhankar Jain, Akanksha Singh, Amanpreet Kaur, Shikha Jain</i>



### SESSION – 6C

**TRACK – 3: VLSI and Embedded Computing**  
**VENUE : CR7**

**DATE: 23<sup>rd</sup> September 2017**  
**TIME: 09:30 AM -11:00 AM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1570376183	<b>Design of 4-Bit Serial-Parallel Multiplier in Quantum-Dot Cellular Automata</b> <i>Namita, Trailokya Nath Sasamal</i>
2.	1570376238	<b>Performance Estimation of Junctionless FinFET with Graded Channel Design</b> <i>Shalu Kaundal, Shelja Kaushal, Ashwani K. Rana</i>
3.	1570376269	<b>Threshold voltage variability induced by statistical parameters fluctuations in nanoscale bulk and SOI FinFETs</b> <i>Rituraj Singh Rathore, Ashwani K. Rana, Rajneesh Sharma</i>
4.	1570376687	<b>Implementation of Energy Efficient FIR Gaussian Filter on FPGA</b> <i>Vatsala Anand, Amanpreet Kaur</i>
5.	1570362475	<b>Parallel Distributed Arithmetic FIR Filter Design Based on 4:2 Compressors on Xilinx FPGAs</b> <i>Xiaoqiang Zhang, Yuelai Yuan, Le Tu, Kan Huang, Dihui Chen, Zixin Wang</i>
6.	1570373680	<b>Area and Power Efficient Register Allocation Technique for the implementation of PCA</b> <i>Sukhmani Kaur Thethi, Ravi Kumar</i>

### SESSION – 6D

**TRACK – 5: Software Engg. and Emerging Technologies**  
**VENUE : CR8**

**DATE: 23<sup>rd</sup> September 2017**  
**TIME: 09:30 AM -11:00 AM**

S. No.	Paper ID	Title of the Paper [Author(s)]
1.	1670377066	<b>Fault Localization in Software Testing Using Soft Computing Approaches</b> <i>Pradeep K. Singh, Manpreet S. Bajwa, Sheely Garg, Mandeep Kaur, Yugal Kumar</i>
2.	1670377069	<b>An Analysis on the Potentials of Vertical Greenery System in context to the Energy Consumption and Pollution Control</b> <i>Pradeep K. Singh, Sankalp Jain, Akshat Mathur, Yugal Kumar</i>
3.	1670377044	<b>Comparative Analysis of Lightweight Cryptography Algorithms for Smart Grids</b> <i>Sumandeep kaur, Supreet kaur</i>
4.	1570375499	<b>Towards An Analysis for Quality Assessment of Semantic Web based Applications and SaaS</b> <i>Naveen Malik, Vinisha Malik, Dr Sandip Kumar Goyal</i>
5.	1670377050	<b>Prevention of Denial of Service Attack over Vehicle Ad hoc Networks using Quick Response Tables</b> <i>Paramjit Singh Waraich Dr. Neera Batra</i>