Department of Electronics & Communication Engineering, Government Engineering College, Thrissur

International Conference on Electronics, Signal Processing and Communication Engineering (E-SPACE 2015)
09 - 11 December 2015
Scientific Program and Schedule of Presentations

Venue 1: Seminar Hall, Dept. of Electronics & Communication Engg. Venue 2: Department Library, Dept. of Electronics & Communication Engg.

Day 1, 09-12-2015 Invited Talk	Dr. S. Radhakrishnan, Principal, Govt. Engineering College, Sreekrishnapuram, Palakkad	Venue 1 01.30 PM - 02.30 PM

Day 1, 09-12-2015	Oral Presentation		Session I, Venue 1
Paper ID	**Presenting Author**	**Paper Title**	**Time**
28	A. Ramesh*, N V Seshagiri Rao, A Naresh	Technique for Reduction of Intersymbol Interference in Ultra- Wideband System	02.30 PM - 02.40 PM
133	Rinija G N* , Dr. Gopakumar A, Meenu B	Interference Mitigation Techniques Using UWB Pulse Shaping.	02.40 PM - 02.50 PM
163	Abitha K A* , Pradeep K Bharathan	Secure Communication Based on Rubik's Cube Algorithm and Chaotic Baker Map	02.50 PM - 03.00 PM
177	Ashan V C*	Implementation of WG Stream Cipher with Involution Function	03.00 PM - 03.10 PM
689	Arjun S S*, Job Chunkath, Sheeba V S, Anso Raj S	Performance Improvement of Multicarrier Systems Using Wavelet Filter Banks	03.10 PM - 03.20 PM
366	Sumayya Ali*, Smitha M	Optimal Cooperative Beamforming Design for MIMO Relay Channels	03.20 PM - 03.30 PM

Tea Break, 03.30 PM - 03.45 PM

Day 1, 09-12-2015		Oral Presentation	Session II, Venue1
Paper ID	Presenting Author	Paper Title	Time
130	Shafna C.H.*, Edet Bijoy K	A New Approach to Video Coding using 3D Directional Filter Banks.	03.45 PM - 03.55 PM
314	Jithin T*, Mohamed Salih K.K., A. R. Jayan	Real Time Suppression of Howling Noise in Public Address System	03.55 PM - 04.05 PM
379	Magnel Rose Mathew*, Premanand B	Sub-Nyquist Sampling of Acoustic Signals Based on Chaotic Compressed Sensing	04.05 PM - 04.15 PM
417	Remya R S*, K P Indiradevi, Anish Babu K K	Classification of Myocardial Infarction Using Multi Resolution Wavelet Analysis of ECG	04.15 PM - 04.25 PM
461	Jibi John*, M G Mini	Multilevel Thresholding based Segmentation and Feature Extraction for Pulmonary Nodule Detection	04.25 PM - 04.35PM
561	Jinu Joseph*,Rema Devi M, N.Suresh Kumar	Compressive Sensing based underwater communication system	04.35 PM - 04.45 PM

Day 2, 10-12-2015		Oral Presentation	Session III, Venue1
Paper ID	Presenting Author	Paper Title	Time
459	Jishnu Nambissan* Nikhil T V, V Vinodkumar	A VHF Radio for Software Defined Radio Applications	10.30 AM-10.40 AM
462	Shamsudheen P*, Suresh Kumar, Job Chunkath	Performance Analysis of Visible Light Communication System for Free Space Optical Communication Link	10.40 AM-10.50 AM
463	Joseph George K N* , Jayasree V K	An Intensity Modulation Transmission System for Under Water channel Modeling and Communication	10.50 AM-11.00 AM
502	Nithin Chandran* , Ebin M Manuel	Performance Analysis of modified SHA-3	11.00 AM-11.10 AM
552	Mariya Vincent* , K Vinoth Babu , M Arthi , P	A Novel Fuzzy based Relay Node Deployment Scheme for Multi- hop Relay Network	11.10 AM-11.20 AM
571	Gopi C* , Lalu V	Sensor Network Infrastructure for AMI in Smart Grid	11.20 AM-11.30 AM

Tea Break, 11.30 AM - 11.45 AM

Day 2, 10-12-2015		Oral Presentation	Session IV, Venue 1
Paper ID	Presenting Author	Paper Title	Time
548	Aswathi Thomas*. Ebin M Manuel	Embedment of Montgomery Algorithm on Elliptic Curve Cryptography Over RSA Public Key Cryptography	11.45 AM-11.55 AM
554	Jeethu James*, Karthika R , Nandakumar R	Design and Characterization of SHA 3 -256 Bit IP Core	11.55 AM-12.05 PM
582	Jishnu C K*, K Vinoth Babu , M Arthi ,P	A Novel Relay Station Deployment Scheme for beyond 4G Multihop Network	12.05 PM-12.15 PM
600	Satheesan U*, Sudha T	Achievable Data Rate in Hybrid MIMO Cognitive Radio Networks	12.15 PM-12.25 PM
648	Reshma Lakshmanan* , Shinoj K Sukumaran	Flexible Ultra Wide Band Antenna for WBAN Applications	12.25 PM-12.35 PM
268	Aparna Nair*, Shaniba Asmi, Dr. Gopakumar A	Analysis of Physical Layer Security via Co-operative Communication in Internet of Things	12.35 PM -12.45 PM

Lunch, 12.45 PM - 01-30 PM

Invited Talk	"Speech production research - opportunities and challenges" Dr. Prasanta Kumar Ghosh, Department of Electrical Engineering, Indian Institute of Science, Bangalore	Venue 1 01.30 PM - 02.30 PM

Day 2, 10-12-2015		Oral Presentation	Session V, Venue1
Paper ID	Presenting Author	Paper Title	Time
198	Shahbaz Badr *, Noufal P	Integrated Data Hiding and Compression Scheme Based on SMVQ and FoE Inpainting	02.30 PM - 02.40 PM
273	Deepa Mathew* , Binish M C	A Fast Intra Prediction for H.264/AVC Based on SATD and Prediction Direction	02.40 PM - 02.50 PM
343	Lubaib P* ,Ahammed Muneer KV	The Heart Defect Analysis Based on PCG Signals Using Pattern Recognition Techniques	02.50 PM - 03.00 PM
419	Gija Susan Issac*, Jobi Jose	Secured Transmission Of Image/Video By Performing Reversible Color Transformation	03.00 PM - 03.10 PM
447	Liji C A*, K P Indiradevi, Anish Babu K K	Integer-to- Integer Wavelet Transform based ECG Steganography for Securing Patient Confidential Information	03.10 PM - 03.20 PM
544	Kavya R* ,Santhosh Kumar S	Window based Input Vector Monitoring Concurrent BIST using SRAM Cells with Diagnostic Data Compression	03.20 PM - 03.30 PM
729	Risha K P*, Chempak Kumar A	Novel method of detecting moving object in video	03.30 PM - 03.40 PM

Tea Break, 03.40 PM - 03.45 PM

Day 2, 10-12-2015		Oral Presentation	Session VI, Venue 1
Paper ID	Presenting Author	Paper Title	Time
400	Muhaseena T K* ,Lekshmi M.S	A Model for Pitch Estimation Using Wavelet Packet Transform Based Cepstrum Method	03.45 PM - 03.55 PM
428	Rahul Charles C M*, Vinod V ,Anju Jacob	Field Oriented Control of DFIG Based Wind Energy System Using Battery Energy Storage System	03.55 PM - 04.05 PM
456	Amrutha C U* , Nithya Davis, Samrutha K S,	Improving Language Acquisition in Sensory Deficit Individuals with Mobile Application	04.05 PM - 04.15 PM
509	Raghi E.R* , Lekshmi M.S	Single Channel Speech Separation With Frame-based Summary Autocorrelation Function Analysis	04.15 PM - 04.25 PM
655	Sunija A P* , Rajisha TM , Riyas KS	Comparative Study of Different Classifiers for Malayalam Dialect Recognition System	04.25 PM - 04.35PM
658	Venkateswaran J* , Sunny T D , Vyas P.S. ,	Robotic Arm with Brain - Computer Interfacing	04.35 PM - 04.45 PM
670	Rajisha TM* ,Sunija A P, Riyas KS	Performance Analysis of Malayalam Language Speech Emotion Recognition System using ANN/SVM	04.45 PM - 04.55 PM

Day 3, 11-12-2015		Oral Presentation	Session VII, Venue 1
Paper ID	Presenting Author	Paper Title	Time
92	Akhil Valsaraj* , Abdul Barik, Vishak P V, Midhun	Stereo Vision System implemented on FPGA	10.30 AM-10.40 AM
355	S.R.Vijayalakshmi*,S.Muruganand	Real time monitoring of wireless fire detection mode	10.40 AM-10.50 AM
385	Anila Ann Varghese* , Pradeep C , Madhuri Elsa	FPGA Implementation of Area-Efficient IEEE 754 Complex Divider	10.50 AM-11.00 AM
387	Supriya Unnikrishnan Kizhakkeveettil* ,	Parallel Computation Using DSP Slices in FPGA	11.00 AM-11.10 AM
440	Neenu Shaji* ,Bonifus P L	Design of AES architecture with area and speed tradeoff	11.10 AM-11.20 AM
635	Garnet Wilson* ,Premson Y	FPGA Implementation of Hardware Efficient Algorithm for Image Contrast Enhancement Using Xilinx System Generator	11.20 AM-11.30 AM

Tea Break, 11.30 AM - 11.45 AM

Day 3, 11-12-2015		Oral Presentation	Session VIII-A, Venue 1
Paper ID	Presenting Author	Paper Title	Time
443	Aswani T S*, Premanand B	Area Efficient Floating Point Addition Unit with Error Detection Logic	11.45 AM-11.55 AM
466	Remya Justin*, Binu K Mathew, Susan Abe	FPGA Implementation of High Quality Random Number Generators Using LUT Based Shift Registers	11.55 AM-12.05 PM
546	Greeshma Haridas*, David Solomon George	Area Efficient Low Power Modified Booth Multiplier for FIR Filter	12.05 PM-12.15 PM
557	Anju Sunny* , Binu K Mathew, Dhanusha P B	Area Efficient high speed approximate multiplier with carry predictor	12.15 PM-12.25 PM
586	Amy Mariam George*, Jyothish Chandran G	Design and Analysis of 8 Bit Parallel Prefix Comparators using Constant Delay Logic	12.25 PM-12.35 PM
628	Saijo Prathap* , Sonia Sunny,Aju S Nair	Colour Temperature Tuning to Improve Efficacy of White Light	12.35 PM-12.45 PM

Day 3, 11-12-2015		Oral Presentation	Session VIII-B, Venue 2
Paper ID	Presenting Author	Paper Title	Time
77	Arshi Mohini*	Microcontroller Based Orbital Motion shaker	11.45 AM-11.55 AM
308	Sagila Gangadharan K*, K P Mohanan	Optical Correlation Tomography: Comparison of Imaging Resolution With and Without Ultrasound	11.55 AM-12.05 PM
398	Rooji Jinan*, Tara Raveendran	Particle Filters for Multiple Target Tracking	12.05 PM-12.15 PM
477	Aparna Devi P S*, M G Mini	An Iris Texture feature based Radial Basis Neural network Classifier with enhanced performance	12.15 PM-12.25 PM
563	Salini Venate*, Sunny T D	Multiclass classification of EEG signals using a probabilistic approach	12.25 PM-12.35 PM
730	Arunprakash Jayaprakash*,G Ramachandra Reddy,	Small target detection within sea clutter based on fractal analysis	12.35 PM-12.45 PM

Day 3, 11-12-2015		Online Presentation	Venue 2
Paper ID	Presenting Author	Paper Title	Time
324	Lani Rachel Mathew* ,David John	Frugal Automation of Sustainable Practices in Kerala	10.40 AM-10.50 AM
469	Ashok S Kumar* , Sudha T	Combined Optimization of Clustering using Artificial Bee Colony Algorithm and Cooperative Beamforming in Green Cognitive Radio Networks with Relays	11.00 AM-11.10 AM

Lunch, 12.45 PM - 02-00 PM