Schedule of Presentation ICCC2015
Control - Track

Registration starts from 19-11-2015   8.30am

Hall-Symphony **PS1**		Power Systems I	19-11-2015 11.00am - 1.00pm
Sl No	Presentation ID	**Paper Title**	**Presented by**
1	PS11	Condition Assessment Program on Aged High Voltage Insulation of In-Service Turbine Generator	Pgs Kumar
2	PS12	Solar Photovoltaic (PV) System Sizing: Considerations From Name Plate Specifications	Nikhil Pattath Gopi
3	PS13	State Estimation Using Weighted Least Square Method with Minimum Measurement Data	Jaya C K
4	PS14	Grid Restoration Planning After a Total Blackout	Sreeram R Kurup
5	PS15	A Robust Fractional Order PSS Optimized Using Genetic Algorithm for Electromechanical Oscillation Damping of SMIB System	Haseena K A
6	PS16	Reduced Rating Railway Power Conditioners in Co-phase Traction and Traditional Traction System	Amrutha Babu
7	PS17	Coordinated Voltage and Reactive Power Control Scheme for Smart Grids with Distributed Generation	Sruthi Raj P
Hall-Symphony **PS2**		Power Systems II	19-11-2015 1.30pm - 3.15pm
Sl No	**Presentation ID**	**Paper Title**	**Presented by**
1	PS21	An IRP Based Control Algorithm for Load Compensation by DSTATCOM Under Polluted Supply System	Mohit Bajaj
2	PS22	Hybrid State Estimation Including PMU Measurements	Jerin James
3	PS23	High Impedance Fault Detectors for Radial Secondary Distributors	U Abhijith
4	PS24	Optimal Load Frequency Controller for a Deregulated Non-Reheat Thermal Power System	Arlene Rosaline
5	PS25	Reactive Power Compensation of Wind-Diesel Hybrid System Using STATCOM with Fuzzy Tuned and ANFIS Tuned PID Controllers	Anulal M
6	PS26	Batteryless Boost Converter for Thermal Energy Harvesting System	Nisha K S
7	PS27	Low Voltage Ride Through in DFIG Based Wind Turbines: A Review	Baiju P

Hall-Symphony CTR1		**Control System I**	19-11-2015 3.15pm - 5.00pm
SI No	**Presentation ID**	**Paper Title**	**Presented by**
1	CTR11	Backstepping and Adaptive Backstepping Control on Robotic Arm	Mohammed R
2	CTR12	Model Reference Adaptive Controller Designs of Steam Turbine Speed Based on MIT Rule	Sherin Kochummen
3	CTR13	Development of Different Controllers Using Virtual Instrument to Bolster the Performance of Single Fluid Heat Transfer System (SFHTS)	Pranavanand Satyamurthy
4	CTR14	Formation Control of Mobile Robots Based on Vector Field with Obstacle Avoidance Capability	M I Sruthi
5	CTR15	Dynamic Analysis and Active Vibration Control for A Two Storeyed Flexible Structure Building	Geethu Maria
6	CTR16	A Comparative Study of Controllers Used for Interleaved Double Dual Boost Converter	Amritha A
Hall-Symphony CTR2		**Control System II**	20-11-2015 9.30am - 11.15am
1	CTR21	Optimal Formation Control of Unmanned Aerial Vehicles with Reconfiguration	R Rajasree
2	CTR22	Adaptive Switching Between JPDA and Set JPDA Algorithms Based on Validation Gates	Lakshmi Ramesan Santhi
3	CTR23	Trajectory Tracking Control of a Quadrotor	Juhi Ajmera
4	CTR24	Fuzzy Logic Controller for Reactive Power Compensation	Madhavan Unni
5	CTR25	Performance Comparison of Controllers for Vibration Suppression of a Cantilever Beam	Lisa Thomas

Hall-Symphony CTR3		**Control System III**	20-11-2015 11.15am -1.00pm
1	CTR31	Path Constrained Explicit Guidance Algorithm for Lunar Pinpoint Landing Mission	Annie Elias
2	CTR32	Quantitative Feedback Theory Based Robust Control Design for a Flexible Launch Vehicle	Chitra V

3	CTR33	Comparison of Control Techniques for the Formation of Group of Quad-Rotors	Abhijith Bs
4	CTR34	Design and Analysis of a Fuzzy Logic Controller for the Optimal Switching of Drives for Hybrid Electric Vehicles	Sreenath M
5	CTR35	Control of Electrohydraulic Servo System Using Feedforward and Feedback MRAC Rule	Anju Sam
6	CTR36	Trajectory Optimization of an Autonomous Dynamic Soaring UAV	Syama M

Hall-Symphony **CTR4**	**Control System IV**	20-11-2015 1.30pm - 3.15pm

1	CTR41	Longitudinal Dynamics Control of UAV	Meera Nair
2	CTR42	Disturbance Observer Based Control of A Flexible Reusable Launch Vehicle	Sruthi S
3	CTR43	Mu Synthesis in State Space; Applied to a Typical Satellite Launch Vehicle	Lima Tony
4	CTR44	PI, PID Controller Design for Interval Systems Using Frequency Response Model Matching Technique	Anju Kalangadan
5	CTR45	Lateral-Directional Autopilot Design of Unmanned Aerial Vehicles Using Quaternion Feedback Sliding Mode Approach	Rasitha R

Hall-Sonata **PC1**	**Power Converters I**	20-11-2015 1.30pm - 3.15pm
Sl No	**Presentation ID**	**Paper Title**	**Presented by**

1	PC11	Performance Analysis of Speed Estimator Insensitive to Stator Resistance At Low Speed in Sensorless Induction Motor Drives	Meghraj Morey
2	PC12	3x3 Matrix Converter for Motor Drive Application	P R Abhishek
3	PC13	A High Efficiency Resonant Dc-Dc Power Converter-Analysis and Comparison of P&O and INC Algorithms	Sreejith Sreenivasan
4	PC14	SVPWM Algorithm for a 2-Level Inverter Fed DTC-BLDC Motor Drive	Lekshmi Mahadevan
5	PC15	MMF Harmonic Reduction in Permanent Magnet Synchronous Generator Using Different Stator Flux Barriers for Microturbine Applications	Karthika Venugopal
6	PC16	Minimisation of Losses in Permanent Magnet Synchronous Generator for High Speed Applications	G Sarumol
7	PC17	SVPWM Based Common Mode Voltage Mitigation Using Boost Converter Fed Open-End Winding AC Drive	Midhun G

Hall-Symphony **PC2**		**Power Converters II**	20-11-2015 3.15pm - 5.00pm
Sl No	**Presentation ID**	**Paper Title**	**Presented by**
1	PC21	Rotor Fault Detection and Diagnosis of Three Phase Induction Motor Drive System	V Sreeja
2	PC22	A Novel Control Strategy for Operating Grid Connected Doubly Fed Induction Generators Under Unbalanced Grid Voltage	Nithin A. N.
3	PC23	Torque Improvement in IPMSM for Electric Vehicle Application	Pinky K
4	PC24	Position Sensorless Control of BLDC Motor in Continuous Positive Airway Pressure Device	Meenu M. M.
5	PC25	Design and Control of BLDC Motor for Prosthetic Limb Applications	Jyothi Sankar
6	PC26	High Performance Induction Motor Drive in Field Weakening Region	Aswathy S
7	PC27	Indirect Field Oriented Control of Induction Motor Using Predictive Current Controller	Ahallianath R

Schedule of Presentation - ICCC2015
Communication - Track

Registration starts from 19-11-2015   8.30am

Hall-Harmony **CMN1**		**Communication I**	19-11-2015 11.00am - 1.00pm
Sl No	Presentation ID	Paper Title	Presented by
1	CMN11	Sensitivity of Information Mismatch Probability on Dynamic Information Elements in Wireless Sensor Networks	Sonam Tobgay
2	CMN12	Performance Comparison of Compressive Spread Spectrum Communication System Using Different Reconstruction Algorithms	Aswathi C
3	CMN13	2x2 MIMO RoF System At 60 GHz Employing 64 QAM Double Sideband Modulation	Naveen H
4	CMN14	Simulation of WDM-PON and Radio Over Fiber with Single Mach Zehnder Modulator	Sreereshmi Sivaprasad
5	CMN15	A Resource Allocation Scheme for Throughput Maximization in OFDMA Femtocell Networks	Arathy Varghese
Hall-Harmony **BM**		**Biomedical**	19-11-2015 1.30pm - 3.15pm
Sl No	Presentation ID	Paper Title	Presented by
1	BM1	Brain Computer Interface Device for Speech Impediments	Ramesh C R
2	BM2	UPASANA: Diagnostic Toolkit for ASHA Worker	Vivek Sureshkumar
3	BM3	An Efficient Watermarking Based Integrity Control System for Medical Images	Anisha Joseph
4	BM4	Real Time Monitoring of Vital Signals Through Telemedicine for Community Healthcare	Nitha Panicker
5	BM5	Analysis of Stroke Using Texture Features	Jeena R. S.

Hall-Harmony **SP1**		**Signal Processing I**	19-11-2015 3.15pm - 5.00pm
Sl No	Presentation ID	Paper Title	Presented by

Sl No	Presentation ID	Paper Title	Presented by
1	SP11	Local Patch Dictionary Based Approach for Multi-View Image Compression	Baburaj M
2	SP12	Effect of VoIP on Prosodic Features for Speaker Verification	Athira Cherian
3	SP13	A Fingerprint Identification Algorithm: Combining Image Enhancement and Chaos Synchronisation Classifier	Shehnaz M
4	SP14	A Compressive Sensing Approach to DCT Watermarking System	Neetha K K
5	SP15	Segment Specific Enhancement of Speech Characteristics for Improving Speech Intelligibility Under Adverse Listening Conditions	Praveen Vanukuru
6	SP16	Analysis of Vocal Tract Disorders Using Mel-Frequency Cepstral Coefficients and Empirical Mode Decomposition Based Features	Poornima Ravindran

Hall-Harmony **CMN2**		**Communication II**	20-11-2015 9.30am - 11.15am
Sl No	**Presentation ID**	**Paper Title**	**Presented by**
1	CMN21	A Comparative Performance Analysis of Different Pulse Shapes for Optical Transmission	Ishan Tyagi
2	CMN22	Performance Analysis of Polarization Reconfigurable Antenna Using Metasurface	Jnana J
3	CMN23	Optimal Sensing Scheduling for Green Cognitive Radio	Sarath Pradeep
4	CMN24	A Novel Single Wavelength Balanced Technique to Supress Second Order Distortion in RoF System	R Pradeep

Hall-Harmony **DSD**		**Digital System Design**	20-11-2015 11.15am - 1.00pm
Sl No	**Presentation ID**	**Paper Title**	**Presented by**
1	DSD1	Simulation of Si Waveguides to Implement FCA Characterized TPA Based Optical Logic Gates	Rudra Vaswata Roy Choudhury
2	DSD2	Design of High Speed Vedic Multiplier Using Multiplexer Based Adder	Saji Antony

Sl No	Paper ID	Paper Title	Registered author
3	DSD3	Low-Power Modified Vedic Multiplier	Ravi Kishore Kodali

Hall-Harmony **VLSI**	**VLSI Systems**	20-11-2015 1.30pm - 3.15pm

Sl No	Paper ID	Paper Title	Registered author
1	VLSI1	A 45nm FM0/Manchester Code Generator with PT Logic Running At 4GHz for DSRC Applications	Prathipati Sudhakar
2	VLSI2	NEM Relay Based Multi-nary RAM	Nitheesh Nair
3	VLSI3	Process Variability on Gain and Bandwidth of a CMOS Differential Amplifier in 28nm	Aswin Shenoy A
4	VLSI4	Hardware Implementation of Cryo-Pneumatic Engine Control Unit	Sruthi Rajan
5	VLSI5	Two Stage Operational Transconductance Amplifier in Subthreshold Region with 130nm Technology	Jithya R
6	VLSI6	Assertion Based Verification of SGMII IP Core Incorporating AXI Transaction Verification Model	Rini Sebastian

Hall-Harmony **MWT**	**Microwave Techniques**	20-11-2015 3.15pm - 5.00pm

Sl No	Presentation ID	Paper Title	Presented by
1	MWT1	Planar Crossover for Beamforming Networks Using Sierpenski Gaskets	Mirav T. Mehta
2	MWT2	Dual Polarized Microstrip Fractal Patch Antenna for S-band Applications	Jayarenjini N
3	MWT3	Investigation of Double Negativity of SRR-Thin Wire Structures	Rahul Manohar O
4	MWT4	Compact Dual Band Microstrip Patch Antenna for Wi-Fi and WiMAX Applications	Amal A
5	MWT5	Analytical Approach for Designing Edge Fed Rectangular Slotted Microstrip Antenna	Neena Mithra S

Hall-Sonata **SP2**	**Signal Processing II**	20-11-2015 3.15pm - 5.00pm

1	SP21	An Offline Signal Processing Technique for Accurate Localisation of Stop Release Bursts in Vowel-Consonant-Vowel Utterances	Jijomon Chettuthara Monsy
2	SP22	Traffic Video Surveillance: Vehicle Detection and Classification	Saran K b
3	SP23	Synthesizing Intonation for Malayalam TTS	Crisil Thomas
4	SP24	A Master Share (2, N) XOR Based Visual Cryptography Scheme by Random Grids	Farzin Ahammed

Schedule of Presentation - ICCC

Computing - Track

Registration starts from 19-11-2015   8.30am

Hall-Sonata TCS		Theoretical Computer Science
Sl No	**Presenta tion ID**	**Paper Title**
1	TCS1	A Parallel Approach for Obtaining Maximum Flow in a Network
2	TCS2	Base Station Positioning in Wireless Sensor Networks Using Scalable K-means Algorithm
3	TCS3	Mining Images for Image Annotation Using SURF Detection Technique
4	TCS4	An Efficient Algorithm for Neighbor Discovery and Wormhole Attack Detection in WANET

Hall-Sonata NTP1		NETWORK TECHNOLOGY AND PROTOCOLS I
Sl No	**Presenta tion ID**	**Paper Title**
1	NTP11	Secure Hotspot
2	NTP12	Computational Search for Gaussian Perfect Integers
3	NTP13	User Authentication Using Visual Cryptography
4	NTP14	A Novel Syn Flood Detection Mechanism for Wireless Network
5	NTP15	Driver Encapsulation and Transfer for Machine to Machine (M2M) Communication

Hall-Sonata NTP2		NETWORK TECHNOLOGY AND PROTOCOLS II
Sl No	**Presenta tion ID**	**Paper Title**
1	NTP21	Region Authority Based Collaborative Scheme to Detect Sybil Attacks in VANET
2	NTP22	High Bandwidth Data Streaming in Sensor Network with Mobile Nodes
3	NTP23	Secure Routing in Mobile Ad-hoc Networks Using Evidence Theory
4	NTP24	Hardware Dependency and Performance of JavaScript Engines Used in Popular Browsers
5	NTP25	Duty Cycle Adapted MAC for Wireless Sensor Networks with Energy Harvesting
6	NTP26	Enhancing the Life Time of Sensor Network with Energy Awareness and Clutter Adaptability

Hall-Sonata DKE1		DATA AND KNOWLEDGE ENGINEERING I
SI No	Presenta tion ID	Paper Title
1	DKE11	Text Chunker for Malayalam Using Memory Based Learning
2	DKE12	Rare and Frequent Weighted Itemset Optimization Using Homologous Transactions
3	DKE13	Map-Reduce Based Framework for Instrument Detection in Large-Scale Surgical Videos
4	DKE14	Semi-supervised Clustering with Soft Labels
Hall-Sonata DKE2		DATA AND KNOWLEDGE ENGINEERING II
SI No	Presenta tion ID	Paper Title
1	DKE21	Aspect Based Summarization of Reviews Using Naïve Bayesian Classifier and Fuzzy Logic
2	DKE22	An Approach for Faster Processing of Top-k Spatial Keyword Queries
3	DKE23	microRNA Binding Site Scoring Model
4	DKE24	A Memory Based Approach to Malayalam Noun Generation

2015

19-11-2015 11.00am - 1.00pm
Presented by
Divya Joseph
Rajiv Tripathi
Edwin Paul
Rakhil R
19-11-2015 1.30pm - 3.15pm
Presented by
Laiju K Raju
Ashmi Banerjee
Praveen Kumar
Neethu Raj P
Aiju Thomas
19-11-2015 3.15pm - 5.00pm
Presented by
Anu S Lal
Sreejith V
Shyma M
Jayakrishnan Radhakrishnan (presented by Shareena Shiraz)
Karthi Sathish
Ansa S

20-11-2015 9.30am - 11.15am
Presented by
Rekha Raj C T
Sheethal Abraham
Basil Sunny
Cynthia Nebu
20-11-2015 11.15am - 1.00pm
Presented by
Reshma V
Amitha Gopinath
Seethal Varghese
Reji Rahmath K