2014 International Conference on Circuit, Power and Computing Technologies

(ICCPCT 2014)

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Technical Session Schedule - ICCPCT - 2014

Day 1 - **20/3/2014 AN**   Time: 1.30 p.m - 5.00 p.m   Venue 1: AC Auditorium
Session Title: **Power Quality**
Chair:. Dr. Bhim Singh, Professor, IIT Delhi
Faculty in charge: Mr. Rajesh, Assistant Professor, NICHE
Rapporter: Abba, Ajith Sreedhar, Libina

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1	**ICCPCT-23**	1-6	Debanjan Chatterjee, Arkendu Mitra and Sudhangshu Sarkar	A Conceptual Study for Control Strategy of TCSC in Inductive and Capacitive Region
2	**ICCPCT-122**	7-12	Sudhakar Kothuru, Janardhana Kotturu and Kumar Reddy Ch	Reduction of Harmonics in 3-Phase, 3-Wire System by the Use of Shunt Active Filter
3	**ICCPCT-123**	13-17	Swapnil Gadgune and Madhukar Waware	Novel Control Method for Capacitor Voltage Regulation in Series APF
4	**ICCPCT-139**	N/A	Anu Rani Sam and Arul P	Transient Stability Enhancement of Multi-machine Power System Using UPFC
5	**ICCPCT-140**	24-29	Sangheetha A P and Dr. S. Padma	Performance Analysis of Thyristor Controlled Series Compensator
6	**ICCPCT-147**	30-33	Anitha C and Arul P	Enhancement of Voltage Stability in Transmission System Using SSSC
7	**ICCPCT-158**	34-38	Rekhasree R L	A Comparison of AGC of Power Systems Using reinforcement Learning and Genetic Algorithm with a case study.
8	**ICCPCT-163**	39-44	Sruthi Raghuanth	Comparative Study Of Unified Power Quality Conditioner (UPQC) With Different Injecting Devices For Voltage Injection
9	**ICCPCT-170**	45-52	Swapnil Gadgune , Madhukar Waware	A Novel Control Strategy for Capacitor Voltage Regulation of Unified Power Quality Conditioner Using Integral plus Sliding Mode Controller
10	**ICCPCT-241**	53-57	Chirag Raval	An Overview of Various Control Techniques of DVR
11	**ICCPCT-399**	N/A	Joya Shaikh, Sunayana Ganjewar, Ramchandra Hasabe and Madhukar Waware	Power Quality Issues, Its Effects and Mitigation
12	**ICCPCT-541**	64-69	Praveen Kumar Thallapally, Subrahmanyam Nallamothu and Sydulu Maheswarapu	Control Strategies of a Fuzzy Controlled solid Oxide Fuel Cell/Battery Distributed Generation System for Power Quality Enhancement

Technical Session Schedule -   ICCPCT - 2014

Day 1 - **20/3/2014 AN**   Time: 1.30 p.m - 5.00 p.m   Venue 2: Seminar Hall
Session Title: **Power Systems**
Chair: Dr.B.K.Panigrahi, Professor, IIT Delhi
Faculty in charge: Dr. P. Sujatha Therese, Associate Professor, NICHE
Rapporter: Anand M.Dileep, Mohammed Izzath, Mary Sheeba

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1	ICCPCT-58	70-78	Prutha Khanzode, Siddhartha Nigam, S.Prabhakar Karthikeyan, Jacob Raglend and Sathish Kumar	Indian Power Scenario-A road map to 2020
2	ICCPCT-87	79-83	Abinaya K, Danalakshmi D and Kannan S	Cost Analysis of Reactive Power using Marginal Cost Theory in Electricity Markets
3	ICCPCT-135	84-88	Arup Ratan Bhowmik, Dr. Ajoy Kumar Chakraborty and K.Narendra Babu	Multi Objective Optimal Power Flow Using NSMOGSA
4	ICCPCT-188	89-92	Vishal Hande, Arjun Bansode, Rahul Ankushe and Dadgonda Patil	Adaptive Voltage Regulation using Z-Source Inverter Interfaced with Distributed Energy Resources
5	ICCPCT-193	93-96	Saravanan S, Nithya R, Kannan S and Thangaraj C	Modeling and Prediction of India's Electricity Demand using Fuzzy Logic
6	ICCPCT-194	97-101	Saravanan S, Amose Dinakaran, Kannan S and Thangaraj C	India's Electricity Demand Estimation using Genetic Algorithm
7	ICCPCT-225	102-107	Nilesh Chothani and Anand Desai	A New Dual Slope Differential Relaying Scheme for the Protection of Various Busbar Arrangement
8	ICCPCT-255	108-113	Paulraj Thomas and Ilampoornan M.K	Compensation Of Negative Sequence Component Using Sequence Parameters
9	ICCPCT-295	114-118	Vishal Hande, Arjun Bansode, Rahul Ankushe and Patil Dadaso	Voltage Control of Distribution System with PEM Fuel Cell Interfaced with Z-source Inverter
10	ICCPCT-401	119-123	Kotthapally Satish Kumar and Maheshwarpu Sydulu	Effective Optimal Placement of PMUs for Power System Observability
11	ICCPCT-464	124-129	Soumyabrata Barik and Dr. Abraham T Mathew	Design and Comparison of Power System Stabilizer by Conventional and Robust H Infinity Loop Shaping Technique

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Day 1 - **20/3/2014 AN**   Time: 1.30 p.m - 5.00 p.m   Venue 3: Smart Room 1 (Main Building)

Session Title: **Power Transmission**

Chair:. Dr. S.T. Jaya Christa**,** Professor, Mepco Schlenk Engg College,Sivakasi.

Faculty in charge: Mr. R. Sarath, Assistant Professor, NICHE

Rapporter: Anjana Prathab, Shibina, Karthick

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1	ICCPCT-83	130-135	P Rajeswari, R V Maheswari and M Willjuice Iruthayarajan	A numerical analysis of electric field distribution under Extra high voltage AC (EHVAC) transmission line
2	ICCPCT-101	136-141	S Muthu Kumar and L Kalaivani	Electric Field Distribution Analysis of 110 kV Composite Insulator Using Finite Element Modeling
3	ICCPCT-131	142-147	M.S Kalimurugan, S Arun Sankar and M Willjuice Iruthayarajan	Investigation of Electric Field Distribution on A C Composite 230kv Insulator Using Corona Ring
4	ICCPCT-133	148-152	M Sivaraman and J Sivadasan	Comparison of Pollution Flashover Performance of Various Insulators
5	ICCPCT-145	153-157	Saroj Kumar Panda and Tusar Kumar Dash	An Improved Method of Frequency Detection for Grid Synchronization of DG Systems During Grid Abnormalities
6	ICCPCT-165	158-164	G Shunmugalakshmi, M Willjuice Iruthayarajan and B Vigneswaran	Employing Mathematical Morphological Filters for Partial Discharge Signal Denoising
7	ICCPCT-180	165-172	Reuban Samikkannu and Santosh Kumar Annadurai	Estimation and Analysis of VFTO in 420kV Gas Insulated Substation
8	ICCPCT-301	173-178	Rahul Ankushe, Arjun Bansode, Vishal Hande and Dadgonda Patil	Adaptive Control Schemes For Distribution System With DER
9	ICCPCT-380	179-183	Sayali Muneshwar, Parag Kose, Anita Bhole and Ramchandra Hasabe	A New Adaptive PMU based protection scheme for interconnected transmission network system
10	ICCPCT-447	184-190	Maruthi Prasanna H A, Likith Kumar M V and Dr. Thammaiah Ananthapadmanabha	Genetic Algorithm based Optimal Allocation of a Distributed Generator in Radial Distribution Feeder
11	ICCPCT-510	191-196	Hany A. Abdelsalam, Almoataz Y. Abdelaziz and V. Mukherjee	Optimal PMU Placement in a Distribution Network Considering Network Reconfiguration
12	ICCPCT-532	N/A	Sayali Muneshwar, Parag Kose, Ramchandra Hasabe and Deepak Shelar	Wide Area Backup Protection using Phasor Measurement Unit

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Day 1 – **20/3/2014 AN**   Time: 1.30 p.m – 5.00 p.m   Venue 4: R&D Ground Floor

Session Title: **Machine Design**

Chair:. Dr.B.V.Manikandan, Professor, Mepco Schlenk Engg College,Sivakasi.

Faculty in charge: Dr. M. P. Flower Queen, Assistant Professor,NICHE

Rapporter: Vishnu A, Arun A, Rani

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1	**ICCPCT-121**	203-208	Murugesan Gurusamy	Investigation of Three Phase Squirrel Cage Induction Motor Coated with ZrO2 Nano Composite
2	**ICCPCT-150**	N/A	Jayaprakash S and Ramakrishnan V	Closed loop operation Of Solar Based DC-DC Converter For Seperately Excited Motor
3	**ICCPCT-168**	214-219	Rajesh Kanna	Investigating the Performance of Transformer using Insulating Fluids
4	**ICCPCT-169**	220-225	Swagat Pati, Sattapriya Mohanty and Manas Patnaik	Improvement of transient and steady state performance of a scalar controlled Induction Motor using Sliding Mode Controller
5	**ICCPCT-175**	226-231	C Nagamani, Venkata Rama Raju, Nikhilesh Prasannakumar and A Karthikeyan	A Simplified Sensorless Speed Computation Algorithm for Squirrel Cage Induction Motor
6	**ICCPCT-249**	N/A	Annmary Abraham	High Torque low Current Starter System for Synchronous Motor
7	**ICCPCT-262**	239-244	Cynthia Percy V and Ramaprabha Ramabadran	Design and Implementation of Multilevel Type Full-Bridge Converter for Telecom Power Supplies
8	**ICCPCT-361**	245-249	Ashish Kumar Swain and Sushanta Kumar Senapati	An Experimental Investigation of Self-excitation in Stand-alone Induction Generator
9	**ICCPCT-365**	250-253	Sadeep Sasidharan and Isha T B	Simulation of Sensor less Control of Switched Reluctance Motor
10	**ICCPCT-413**	254-259	Greeshma Joseph and Renjini G	Analysis and Comparison Of Inductor Coupled Buck-Boost Converter Combining KY Converter and SR Buck Converter
11	**ICCPCT-508**	N/A	Julin K Austine and Parvathy A K	Simulation of Four Quadrant Operation of Three Phase Brushless DC Motor With Fuzzy Logic Speed Controller for electrical bikes

Day 1 - **20/3/2014 AN**   Time: 1.30 p.m - 5.00 p.m   Venue 5: MCA Smart Room

Session Title: **Power Electronics**

Chair:. Dr.S.S.Dash, Professor, SRM Uniersity, Chennai.

Faculty in charge: Mr. Ben John Stephen, Assistant Professor, NICHE

Rapporter: Shilpa S. Nair, Rohit Gireesh

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1	ICCPCT-216	267-272	Laya M and Della David	Digital Control Of A Soft Switched Interleaved Boost Converter
2	ICCPCT-219	273-279	Balamurali Krishna Vanka, A.Srihari Babu, J.Jithendra Nath and Ch.Uma Maheswara Rao	An Isolated Wind Hydro Hybrid System with Two Back-to-Back Power Converters and a Battery Energy Storage System Using Neural Network Compensator
3	ICCPCT-227	280-286	Greeshma Chandran, Sandip Das and Dr Praveen R P	Development of Control Electronics of a PMBLDC Motor for an Autonomous Rover Application in Space
4	ICCPCT-228	287-290	Chaitanya Kadam, Pravin Kumbhar, Vivek Waiphale and Madhukar Waware	A Single Phase Multistring Five-Level Inverter for Grid Connected PV System during Constant Solar Radiation
5	ICCPCT-248	291-295	Sagar Mahajan, Nandyala Sreeramulareddy and Kusala Pavan Kumar Repalle	A Novel High Gain Floating Output DC-DC Multilevel Boost Converter for FuelCell Applications
6	ICCPCT-302	296-301	Pravin Jadhav and Dagadu More	Regenerative Boost Rectifier
7	ICCPCT-342	302-306	Akila L and Jenitha Deepa	Analysis of closed loop single phase Z-source buck and boost matrix converter with reduced number of switches using PI controller
8	ICCPCT-343	307-312	Deepika M, Marimuthu M and Paranthagan B	Comparative Analysis of Proportional Integral Derivative Controller and Fuzzy Logic Controller on Interleaved Soft Switched Boost converter
9	ICCPCT-384	313-319	Veena V S, Ravichandran M H, Sadasivan Achari V T and Dr.Praveen R P	Vector Control of Three Phase PMSM Drive Using Power Transformations for Future Spacecraft Application
10	ICCPCT-421	320-327	Shanmuga Priya and R Balasubramanian	Analysis of Multidevice Interleaved Boost Converter for High Power Applications
11	ICCPCT-431	328-333	Ramanan S, Rajaram K, Ram Kumar S and Nagarathinam B	Novel PWM Technique for Fundamental Fortification in Voltage Source Inverters
12	ICCPCT-524	334-338	Rohit Ramteke and Dr. U. V. Patil	Design of Third order L-C-L Filter for Diode-Clamped Multi-Level Inverter

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Day 1 - **20/3/2014 AN**   Time: 1.30 p.m - 5.00 p.m   Venue 6: Conference Hall

Session Title: **Electrical Applications**

Chair:. Dr.L.Kalaivani, Associate Professor, National Engineering College, Kovilpatti &
Dr. Suja Mani Malar, Professor, Cape Institute of Technology.
Faculty in charge: Ms.R.Manju, Assistant Professor, NICHE.
Rapporter: Sajil Sajeev, Jimu Bama, Rini Valsa Mathew

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1	ICCPCT-36	339-344	Swarup Mathurkar, Nilesh Patel, Rahul Lanjewar and Rohit Somkuwar	Smart sensors based monitoring system for agriculture using field programmable gate array
2	ICCPCT-77	345-349	S Gowthama Kannan, L Kalaivani, M Willjuice Iruthayarajan and M Bakrutheen	Investigations on Critical Properties of Blended Edible Natural Esters based Insulating Oil
3	ICCPCT-95	350-356	P. Balagurusamy, , R.V. Maheswari B. Vigneshwaran and Dr.M.Willjuice Iruthayarajan	Modeling and Behaviour of Partial Discharge in Nanocomposite Materials
4	ICCPCT-103	357-362	R.V Radhika, M Willjuice Iruthayarajan and P Samuel Pakianathan	Investigation of critical parameters of mixed insulating fluids with antioxidants
5	ICCPCT-110	363-369	Binda.M.B Mridula Balakrishnan	Investigations on Vehicle Rollover Prevention Using Open Loop Steer-By-Wire System
6	ICCPCT-117	370-376	Chandini Guna	Investigations on Critical Parameters of Nano Solid Dielectrics for the Optimized Function of Power Transformer
7	ICCPCT-128	377-381	Jenefar Sheela C and Vanitha L	Prediction of sudden cardiac death using support vector machine
8	ICCPCT-156	382-387	R.T. Arun Ram Prasath, R Karthik and M Willjiuce Iruthayarajan	Enhancement of critical properties of pure and aged transformer oil using nanocomposites
9	ICCPCT-221	388-393	Nuwani Sandamali, Sajith Senevirathna, Laksith Sirisena, Isura Sumanarathna, Dr.Harsha Abeykoon and Branesh Pillai	Simulation of Mobile Robot Navigation with Sensor Fusion on an Uneven Path
10	ICCPCT-240	394-397	Debeshi Dutta, Biswajeet Champaty, Kunal Pal and Indranil Banerjee	Finger movement based attender calling system for ICU patient management and rehabilitation.
11	ICCPCT-310	398-400	Ramaprabha Ramabadran, Ajay S, Deepika G and Maneesha S	An Active Battery Equalizer for Series Connected Battery Applications

Day 1 - **20/3/2014 AN** Time: 1.30 p.m - 5.00 p.m   Venue 7: Smart Room 2 (Main Building)
Session Title: **Power Electronics**
Chair:. **Dr. N. Senthil Kumar,** Professor, Mepco Schlenk Engg College,Sivakasi.
Faculty in charge: Ms.D. Menaka, Assistant Professor, NICHE
Rapporter: Jishnu Prasad R, Shabnam S, Sushi

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1	ICCPCT-346	401-410	A Vijayakumari and Bhadra .R.Warrier	Topologies and Control of Grid Connected Power Converters
2	ICCPCT-348	411-417	Jeyakarthikha V and K.R.Vairamani	Multiport Bidirectional Dc-dc Converter For Energy Storage ApplicatioNS
3	ICCPCT-358	418-425	Mumtaz Jabeen Bano and Farha Kowser	Soft-switching Boost converter with an auxiliary resonant circuit
4	ICCPCT-359	426-431	S Jeny Sophia and C Pearline Kamalini	Switched Inductor Z-Source Inverter using Third Harmonic Injected Constant Boost Control
5`	ICCPCT-360	432-437	M Kanimozhi and P Geetha	A New Boost Switched Capacitor Multilevel Inverter Using Different Multi Carrier PWM Techniques
6	ICCPCT-363	438-442	Pranita Katkol, Menka Havagondi, Utkarsh Patil and Ajay Patil	Controller Design for Uncertain Bilinear System
7	ICCPCT-371	N/A	Megha S Varna and Jenson Jose	11-level Multilevel Inverter with Reduced Number of Switches
8	ICCPCT-372	449-454	Abhijit Padgavhankar	Digital Controller of DC-DC Converter for Solar Cell Module
9	ICCPCT-375	455-460	Jasmine K H and Reshma Raj C	a high gain boost converter with input current ripple reduction
10	ICCPCT-377	461-467	Sudev V and Parvathy S	Switched boost inverter based dc nanogrid with battery and bidirectional converter
11	ICCPCT-379	468-472	Sruthi C K and Saritha P	A Novel Multilevel Inverter Using Single Carrier PWM Technique

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Day 1 - **20/3/2014 AN**   Time: 1.30 p.m - 5.00 p.m   Venue 8: M.B.A Smart Class Room

Session Title: **Renewable Energy**

Chair:.Dr.Mohammad Lutfi Othman, Professor, Universiti Putra Malaysia &

Dr.G. Glan Devadhas, Associate Professor, NICHE.

Faculty in charge: Ms.K.J.Karpagam, Assistant Professor, NICHE.

Rapporter: Akbar Basha, Reshmi J.Chandran

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1	ICCPCT-235	473-478	Vineetha C P and Babu C A	Economic Analysis of Off Grid and On Grid Hybrid Power System
2`	ICCPCT-321	479-483	Sarvesh Singh, Aruna Elangovan, Venkata Polavarapu, Vasudev Kumar and Sumathi V	Anomaly Detection in Smart Grid Using Rough Set Theory and K cross validation
3	ICCPCT-364	484-489	Sushanta Kumar Senapati and Ashish Kumar Swain	Modeling and Simulation of AC/DC Grid Side Voltage Source Converter Used in Wind Power Generation System
4	ICCPCT-388	490-495	M Abinaya, N Senthilnathan and M Sabarimuthu	Harmonic Compensation as Ancillary Service in PV Inverter Based Residential Distribution System
5	ICCPCT-389	496-502	Roshan Haste, Avinash Matre and Mrs. Saba Shaikh	Power Quality Improvement in Grid Connected Renewable Energy Sources at Distribution Level
6	ICCPCT-392	503-508	Tom Mathews	Embedded System Based Power Management for Battery Operating Robotic Vehicle
7	ICCPCT-423	509-515	Likith Kumar M V, Maruthi Prasanna H A and Ananthapadmanabha Thammaiah	An Artificial Bee Colony Algorithm based Distribution System State Estimation Including Renewable Energy Sources
8	ICCPCT-434	516-522	Manoj R Reddy, Partha Saradhi and B Praveen Kumar Reddy	PV Fed Grid connected Multilevel Inverter with Space Vector Control having over modulation
9	ICCPCT-444	523-526	Sathiendran Ramamoorthy Kubendran, Vinoth Kumar Sekar, Raja Sekaran Rajendran and Chandar Baskaran	Wind Energy Harvesting System powered Wireless sensor Networks for Structural Health Monitoring
10	ICCPCT-550	527-532	Lucina Joseph and Manimegalai R	Probabilistic assessment of wind turbine integration in deregulated electricity market
11	ICCPCT-597	533-539	Kavitha D, Renuga P and Muthamil Priya S	Optimal Placement and Location of Distributed Generators in Distorted Distribution System

Technical Session Schedule - ICCPCT - 2014

Day 2 - **21/3/2014 FN**   Time: 10.30 a.m - 1.30 p.m   Venue 1: AC Auditorium

Session Title: **Renewable Energy**

Chair:. Dr.Mohammad Lutfi Othman, Professor, Universiti Putra Malaysia.

Faculty in charge: Mr. Rajesh, Assistant Professor, NICHE

Rapporter: Abba, Ajith Sreedhar, Libina

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1	ICCPCT-56	540-547	Bhuvanesh A, Karunanithi K and Kannan S	Least Cost Generation Expansion Planning With Wind Plant Using Differential Evolution Algorithm
2	ICCPCT-167	548-553	Swagat Pati, Swati Samantray and Amiya Kumar Naik	Fuzzy controller based DTC scheme for control of Cage Induction Generator used for wind power applications
3	ICCPCT-189	554-559	Datta Chavan, Parashuram Karandikar, Abhay Kumar Pandey and Santosh Kumar	Computation of Flicker as a result of Turbulence in a Wind Turbine Sited on a Green Building Using Wind Tunnel
4	ICCPCT-190	560-566	Datta Chavan, Parashuram Karandikar, Abhay Kumar Pandey and Santosh Kumar	Assessment of Flicker owing to Turbulence in a Wind Turbine placed on a hill Using Wind Tunnel
5	ICCPCT-198	567-572	Renugadevi Venkatachalam, Margaret Amutha and Rajini V	A NOVEL FUSED CONVERTER BASED HYBRID SYSTEM WITH MPPT CONTROL FOR RURAL TELEPHONY
6	ICCPCT-231	573-578	G Vijayalakshmi and M Arutchelvi	Design and development of controller for PMSG based wind energy conversion system
7	ICCPCT-263	579-584	Gowtham S and Ramaprabha Ramabadran	Modeling and Simulation of Power Flow Controller in Hybrid Renewable Energy Systems
8	ICCPCT-273	585-589	Ramaprabha Ramabadran, Jubair S.H., Suhas K and Lokesh A	Development of Improved Curve Tracer for Photovoltaic System under Partial Shaded Conditions
9	ICCPCT-287	N/A	Devi Priya	CONTRIBUTION OF GRID IN REAL TIME APPLICATION
10	ICCPCT-315	594-600	A.Marikkannan, B.V.Manikandan and S.Jeyanthi	A Digital Current Controlled Soft-Switching DC–DC Converter with High Voltage Gain for Renewable Energy Sources
11	ICCPCT-318	601-606	Ramkumar Thiruvenkadam	Design of controllers for Wind generator stability
12	ICCPCT-455	607-611	Partha Kayal, Tanmay Ashish and Chandan Kumar Chanda	Simultaneous Placement and Sizing of Renewable DGs and Capacitor Banks in Distribution Network

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Day 2 - **21/3/2014 FN**   Time: 10.30 a.m - 1.30 p.m   Venue 2: Seminar Hall
Session Title: **Power Quality**
Chair:. Dr. Christopher Columbus, Professor, PSN College of Engineering &
Dr. Jeno Paul, Professor, St.Thomas Engineering College, Kerala.
Faculty in charge: Dr. P. Sujatha Therese, Associate Professor, NICHE
Rapporter: Anand M.Dileep, Mohammed Izzath, Mary Sheeba

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1	ICCPCT-47	612-615	Deepak M	Analysis of TCPS-SMES coordination in a multi area thermal system with Automatic Generation Control
2	ICCPCT-57	N/A	Mahadevi Biradar and Flavi Thomas	Simulation for PWM based Active Filter with non Liner load
3	ICCPCT-107	620-625	Sushil Karvekar and Patil Dadaso	Comparison of Reference Current Generation for Shunt Active Power Filter Using Goertzel Algorithm And Enhanced PLL
4	ICCPCT-111	626-631	Selvarasu Ranganathan and Surya Kalavathi M	Self-Adaptive Firefly Algorithm based Transmission Loss Minimization using Multi type FACTS Devices
5	ICCPCT-280	632-636	Gaurav Khare, R Sunitha and Nikhil Sahu	Optimal PMU Placement using Matrix modification based Integer Linear Programming
6	ICCPCT-288	637-641	Pranita Katkol, Utkarsh Patil, Menka Havagondi and Ajay Patil	Stability analysis of T-S Fuzzy System via LMI Technique
7	ICCPCT-291	642-650	Sambasivarao Naraboina, Dr.J.Amarnath Jinka and Dr.V.Purnachandrarao Venigandla	Effect of FACTS Devices on Enhancement of Voltage Stability in a Deregulated Power System
8	ICCPCT-323	651-655	A Subanth Williams and R Suja Mani Malar	A Novel Power Quality Mitigation Scheme Using Three Level Converter based Unified Power Flow Controller
9	ICCPCT-349	656-661	Vijay Muni	Voltage Flicker Mitigation by FACTS Devices
10	ICCPCT-367	662-667	Sudhansu Kumar Samal and Prafulla Chandra Panda	Damping of Power System Oscillations by Using Unified Power Flow Controller with POD and PID Controllers
11	ICCPCT-368	668-673	D Bini Sherlin and J C Paul Immanuel	A PV Generation System Integrating a Hysteresis Current Controlled Inverter for Stand-Alone Applications
12	ICCPCT-566	674-679	Subin Koshy, M. S. Ballal and H. M. Suryawanshi	Power Quality Analysis and its Effects on Energy Meter Readings and Life Expectancy

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Day 2 - **21/3/2014 FN** Time: 10.30 a.m - 1.30 p.m   Venue 3: Smart Room 1 (Main Building)
Session Title: **Electric Drives**
Chair:.Dr. Jeevanantham, Professor, Pondicherry Engineering College
Faculty in charge: Mr. R. Sarath, Assistant Professor, NICHE
Rapporter: Anjana Prathab, Shibina, Karthick

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1	ICCPCT-45	680-685	Spandana Kanchanapally and G.N Sreenivas	Performance Analysis of Partially Parallel Embedded Z (EZ) - Source Inverter with Reduced Switches Fed IM Drives
2	ICCPCT-63	686-691	Vamshi Krishna Varma Kalahasthi, Sirisha Kalahasthi, Satyanarayana Galla and Lakshmi Ganesh Kunchiparthi	Optimal PWM Strategy for 11-Level Series Connected Multilevel Converter Using Hybrid PV/FC/BESS Source
3	ICCPCT-81	692-697	Kamalaselvan Arunachalam and Lenin Prakash	Modeling Simulation and Analysis of Closed Loop Speed Control of PMSM Drive System
4	ICCPCT-177	698-703	R. A. Gupta, Rajesh Kumar and Virendra Sangtani	Direct Torque Controlled Matrix Converter fed Induction Motor Drive
5	ICCPCT-201	704-707	Andal S and Ilampoornan M.K.	DEVELOPMENT OF CONVERTER FOR LOW POWER BATTERY CHARGING WITH BACKUP
6	ICCPCT-204	708-713	Liya P F and Aathira K V	A Coupled Inductor Buck-Boost DC-DC Converter with Wide Voltage Conversion Range
7	ICCPCT-207	714-722	Kani Mozhi and Rajini V	A Novel Non-Isolated DC-DC Converter Using High Frequency Transformer
8	ICCPCT-319	723-728	Janaki G and Senthil Kumar A	Generation of Randomized Firing Signals using FPGA to Hold Back EMI in Buck Converter Under Various Load Conditions
9	ICCPCT-331	729-735	Maheswari Lakshmanan, Vijayalakshmi S and Vairamani K.R	Comparison of GPI and PID Controllers for DC–DC "Buck" Converter Stabilization
10	ICCPCT-404	736-741	Ammal Dhanalakshmi	An Improved DC/DC Converter with Reduced Voltage Stress and Filter Circuit for PMDC Motor Drives
11	ICCPCT-531	742-744	Ananda A S and Dr. Manjesh C P	Study of Five phase Induction motor drive with temperature analysis at various parts using 1440 Conduction Mode
12	ICCPCT-568	745-750	Sujitha N, Karthika B, Hemantha Kumar Ravi and Sasikumar Murugesan	Analysis of Hybrid PWM Control Schemes for Cascaded Multilevel Inverter for Industrial Drives

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Day 2 - **21/3/2014 FN**   Time: 10.30 a.m - 1.30 p.m   Venue 4: R&D Ground Floor

Session Title: **Power Quality and Power System Economics**

Chair:. Dr.Nattachote Rugthaicharoencheep, University of Technology Phra Nakhon, Thailand

Faculty in charge: Dr. M. P. Flower Queen, Assistant Professor, NICHE

Rapporter: Vishnu A, Arun A, Rani

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1	ICCPCT-39	751-756	R. Arul, S. Velusami and G. Ravi	Self-adaptive differential harmony search algorithm to solve optimal power flow with emission minimization problem
2	ICCPCT-40	757-762	R. Arul, S. Velusami and G. Ravi	Solving combined economic emission dispatch problems using self-adaptive differential harmony search algorithm
3	ICCPCT-234	763-768	Banaja Mohanty, Prakash Kumar Hota and Abhishek Paikray	Performance Evaluation of Differential Evolution Algorithm on Automatic Generation Control
4	ICCPCT-257	769-774	Priyvrat Vats, Sumit Kumar, Abhinav Vatsh, Vibhas Kumar and Provas Kumar Roy	Hybrid chemical reaction based optimization to solve combined heat and power economic dispatch problem
5	ICCPCT-406	775-780	Pravin Jadhav, Dagadu More and Raosaheb Thombare	Three Phase Front End Active Boost Rectifier with unity power factor, DC voltage regulation and Bi-directional power flow
6	ICCPCT-407	781-786	Sudarshan Swain	Three Phase Shunt Active Power Filter Using a new Weighted Adaptive Hysteresis Band Current Controller
7	ICCPCT-441	787-791	Tridipta Kumar Pati and Binod Kumar Sahu	Application of Hybrid DEPSO algorithm to study the performance of different PID controller structures for automatic generation control of a two-area multi-units interconnected power system
8	ICCPCT-486	792-796	Nilesh Chamat, Vikas Bhandare, Seema Diwan and Snehal Jamadade	Instantaneous Reactive Power Theory for Real Time Control of Three-Phase Shunt Active Power Filter (SAPF)
9	ICCPCT-500	797-802	Hari Kumar and S. Ushakumari	Biogeography based Tuning of PID Controllers for Load Frequency Control in Microgrid
10	ICCPCT-527	803-808	Chinchu Sabu and Ramesh Babu	NASH EQUILIBRIUM BIDDING STRATEGIES IN A POOL BASED ELECTRICITY MARKET
11	ICCPCT-542	809-813	Gorakshanath Abande, M. Faruk Satarkar, Mohan Thakre and Maroofa Rawoot	Impact of STATCOM on Distance Relay

Technical Session Schedule - ICCPCT - 2014

Day 2 - 21/3/2014 FN   Time: 10.30 a.m - 1.30 p.m   Venue 5: MCA Smart Room

Session Title: **Power Electronics**

Chair:.Dr.Rashmi, Professor & Head, Amirtha University, Bangalore.

Faculty in charge: Mr. Ben John Stephen, Assistant Professor, NICHE

Rapporter: Shilpa S. Nair, Rohit Gireesh

Sl. No	Paper ID	Page No	Authors	Title
1	ICCPCT-4	814-821	Sheik Mohammed and Dr.D. Devaraj	Simulation and Analysis of Stand-alone Photovoltaic System with Boost Converter using MATLAB/Simulink
2	ICCPCT-42	N/A	Indira Damarla, Pradeepthi Pavani Ande, Rajendra Bhanu Teja P, Swaroop T.S.S.R., Amareshwar Rao M and Sai Kumar P.V.	Closed loop Control of an Active Clamped Full Wave ZCS Quasi Resonant Boost Converter
3	ICCPCT-61	827-831	Sreekanth S, Moses Alvin and L.Padma Suresh	A COMPARITIVE AND ANALYTICAL STUDY OF DC/DC CONVERTER IN INCREMENTAL MPPT
4	ICCPCT-106	832-837	Sushil Karvekar, Patil Dadaso and Swapnil Gadgune	Implementation of Shunt Active Power Filter Using Sliding Mode Controller
5	ICCPCT-108	838-843	Karthik N and Arul R	Harmonic Elimination in Cascade Multilevel Inverters using Firefly Algorithm
6	ICCPCT-181	844-848	Sreeji Balakrishnan and Sreethumol M V	Non Isolated ZVT Boost Converter with Improved Voltage Regulation
7	ICCPCT-182	849-854	Sandhya T and Della David	A New Single Phase Single Stage Power Factor Corrected Converter
8	ICCPCT-183	855-860	Pathmika Jayasingha, Sameera Jayasekara, Prabodh Jayalath, Charika Gomeda, Medhani Menikdiwela, Harsha Abeykoon and Branesh Pillai	Frequency Response Based Analysis and Designing of Bilateral Control System
9	ICCPCT-222	861-866	Shabana J and Renjini G	Analysis and design of Bridgeless buck PFC rectifier with single inductor
10	ICCPCT-334	867-872	Latha Devi and Chilambarasan	Modeling and simulation of incremental conductance MPPT using self lift SEPIC converter
11	ICCPCT-341	873-880	Sorna Vadivoo Ramakrishnan, S.Vijaya Lakshmi and K.R. Vaira Mani	Design of ZVS Resonant SEPIC Converter for High Frequency Applications

Technical Session Schedule - ICCPCT - 2014

Day 2 - **21/3/2014 FN**   Time: 10.30 a.m - 1.30 p.m   Venue 6: Conference Hall

Session Title: **Controller Designs**

Chair:.Dr. Tan Kok Kiong, Professor, National Technical University, Singapore &

Dr.K.A. Mohamed Junaid, Professor, RMK Engineering College, Chennai

Faculty in charge: Ms.R.Manju, Assistant Professor, NICHE.

Rapporter: Sajil Sajeev, Jimu Bama, Rini Valsa Mathew

Sl. No	Paper ID	Page No	Authors	Title
1	ICCPCT-85	881-886	Aditi Kumbhojkar, Nitinkumar Patel and Anant Kumbhojkar	A Novel Sliding Mode Control Technique for DC to DC Buck Converter
2	ICCPCT-86	887-892	Aditi Kumbhojkar and Nitinkumar Patel	A Sliding Mode Controller with Cascaded Control Technique for DC to DC Boost Converter
3	ICCPCT-109	N/A	Soumya Ranjan Mahapatro	Internal Model Based PI Controller Design for the Coupled Tank System: An Experimental study
4	ICCPCT-166	898-903	Swagat Pati and Swati Samantray	Decoupled Control of Active and Reactive Power in A DFIG Based Wind Energy Conversion System with Conventional P-I Controllers.
5	ICCPCT-171	904-909	Swagat Pati, Abinash Panda and Sattapriya Mohanty	A comparative performance study of scalar controlled induction motor using pid controller and fuzzy pid controller
6	ICCPCT-172	910-915	Swagat Pati, Manas Patnaik and Abinash Panda	Comparative performance analysis of fuzzy PI, PD and PID controllers used in a scalar controlled induction motor drive
7	ICCPCT-187	916-921	Tharun Kumar S and B. Jaganatha Pandian	Tuning and Implementation of Fuzzy Logic Controller using Simulated Annealing in a Non-linear Real-time System
8	ICCPCT-289	922-926	Menka Havagondi, Pranita Katkol, Utkarsh Patil , Ajay Patil	Design of Fuzzy Controller via T-S Fuzzy Approach
9	ICCPCT-292	927-931	Vishal Hande, Arjun Bansode, Rahul Ankushe and Patil Dadaso	An Adaptive Voltage Control with PEM Fuel Cell Based Power Electronic System
10	ICCPCT-293	932-937	Utkarsh Patil, Menka Havagondi, Pranita Katkol and Ajay Patil	Efficient Controllers For Controlling Nonlinear Systems
11	ICCPCT-344	N/A	Kuldip Singh, M.Narendra Kumar and Krishna Chaitanya D	Analysis of DVR performance for Power quality improvement in power system using PI and Fuzzy logic controller
12	ICCPCT-466	944-949	Utkarsh Patil, Pranita Katkol, Menka Havagondi and Ajay Patil	Genetic algorithm approach for Controlling Nonlinear Systems

Technical Session Schedule - ICCPCT - 2014

Day 2 - **21/3/2014 FN** Time: 10.30 a.m - 1.30 p.m   Venue 7: Smart Room 2 (Main Building)

Session Title: **Power Electronics**

Chair:. Dr. Bens Raj, Associate Professor, Annamalai University, Chidambaram.
Faculty in charge: Ms.D. Menaka, Assistant Professor, NICHE
Rapporter: Jishnu Prasad R, Shabnam S, Sushi

Sl. No	Paper ID	Page No	Authors	Title
1	ICCPCT-428	950-957	Sagar Mahajan, Nandyala Sreeramulareddy and Kusalapavan Repalle	A Novel single phase Advanced Multilevel Inverter With Adjustable Amplitude of voltage Levels
2	ICCPCT-430	958-963	Anzari M and Meenakshi J	Simulation Of A Transistor Clamped H-Bridge Multilevel Inverter And Its Comparison With A Conventional H-Bridge Multilevel Inverter
3	ICCPCT-432	964-969	Partha Saradhi, P.S Raju, C.T Chidambaram and K.S.Karthikeyan	Real and reactive power control of electrical distribution network with smes and capacitor
4	ICCPCT-433	970-977	Sagar Mahajan, Nandyala Sreeramulareddy , Kusalapavan Repalle	A Novel Non-Isolated High Step-Up DC-DC Converters for Photovoltaic Applications
5	ICCPCT-435	978-983	Janesh Rupasinghe, Maheshi Ruwanthika, Tharindu Rukshan, Thushan Rathnayake and Jayawardana Karunadasa	Design and Simulation of Single Phase Active Current Harmonic Filter
6	ICCPCT-436	984-989	Kavitha Unnikrishnan C and Reshma Raj C	High Frequency Quasi Resonant SEPIC Converter for Wide Range of Operation
7	ICCPCT-437	990-995	Stanley Jesudaiyan and Lenin Prakash	Simulation of Grid tied Inverter control scheme for Distributed Generatorst
8	ICCPCT-471	996-1001	Sagar Mahajan, Nandyala Sreeramulareddy, Kusalapavan Repalle and Y Bhaskar S S Gupta	A Novel High Step-up Multilevel Boost Converter Using Double Voltage-Lift Switched-Inductor Cell
9	ICCPCT-482	1002-1005	Kavin K S and Dhanalakshmi K	Single Phase Thirteen level Inverter using Seven switches for PV Applications
10	ICCPCT-497	1006-1010	Pradeep Kumar Sahu, Ranjeet Kumar Mahakhuda, Somnath Maity and Sudhansu Kumar Samal	A Fixed Switching Frequency Sliding Mode Control for Single-Phase Voltage Source Inverter
11	ICCPCT-506	1011-1017	Siva Kumar and Ajin Sekhar	Implementation of Intelligent Fuzzy Controller for Positive Output Relift LUO Converter

Technical Session Schedule - ICCPCT - 2014

Day 2 - **21/3/2014 FN** Time: 10.30 a.m - 1.30 p.m   Venue 8: MBA Smart Class Room

Session Title: **Electrical Applications**

Chair:. Dr. Seyezhi, Professor, SSN College, Chennai & Dr. Manjesh, Professor, Bangalore University.

Dr. Jegatheswari, Professor, Ponjesly Engineering College, Nagercoil.

Faculty in charge: Ms.K.J.Karpagam, Assistant Professor, NICHE.

Rapporter: Akbar Basha, Reshmi J.Chandran

Sl. No	Paper ID	Page No	Authors	Title
1	ICCPCT-314	1018-1021	Hariharasudhan T, Sankarakumar S, Madavan R and Dr. Sujatha Balaraman	AGEING ANALYSIS OF INSULATING OIL UNDER VARIOUS ATMOSPHERIC CONDITIONS
2	ICCPCT-369	1022-1026	Srija Chakraborty, Subhasish Das and Piyali Chatterjee	Prediction of domain boundaries in protein sequences using predicted secondary structure and physicochemical properties of Amino Acids
3	ICCPCT-382	1027-1031	Girish Lakhekar and Rohan Deshpande	Diving control of autonomous underwater vehicles via fuzzy sliding mode technique
4`	ICCPCT-468	1032-1037	Vijayalekshmy S, S Rama Iyer and Bisharathu Beevi	Analysis on Solar Photovoltaic Array Configurations under Changing Illumination Conditions
5	ICCPCT-483	1038-1042	Mohan Joshi	Comparison of Rectification Topologies with Matlab Simulink Model Simulations
6	ICCPCT-487	N/A	Ramasamy Raja K, Santhana Krishnan T and Dr. Sharmeela C	MODELLING OF PERMANENT MAGNET SYNCHRONOUS GENERATOR FOR RENEWABLE ENERGY SYSTEM
7	ICCPCT-491	1049-1054	Shalini N and Sivasakthi S	An Embedded Web server based Remote Motor Control system using Virtual Panel
8	ICCPCT-507	1055-1059	Sruthi Nair and Patil Sangita	Analysis and Forecasting of Randomly Varying Parameters of Power System
9	ICCPCT-538	1060-1064	Nithya K, Akhil A Balakrishnan and Praveen R P	Sensorless Control of Brushless DC Motor For Low Speed Aerospace Applications
10	ICCPCT-660	1065-1069	Kuldip Jamdade and Arun Thorat	Novel On-Line Field ground-fault Location Method for Alternators With Static Excitation

Technical Session Schedule - ICCPCT - 2014

Day 1 - **20/3/2014 AN**   Time: 1.30 p.m - 5.00 p.m   Venue 9: R&D First Floor

Session Title: **VLSI**

Chair: Dr. P. Muthu Kumar, Professor, Care School of Engineering, Trichy &

Dr.Mihir Narayan Mohanty Anusandhan, ITER, Silksha University.

Faculty in charge: Ms.T.V.Sindia, Assistant Professor, NICHE.

Rapporter: Rajeev, Jaison S.J

Sl. No	Paper ID	Page No	Authors	Title
1	ICCPCT-49	N/A	Ganesh Chokkakula, Satish Reddy N and Devendra Bhumarapu	Design and Analysis of 8T SRAM with Assist Schemes (UDVS) In 45nm CMOS
2	ICCPCT-120	1074-1076	Priya Gupta	Analysis & Implementation of Ultra Low-Power 4-bit CLA in Subthreshold Regime
3	ICCPCT-141	1077-1083	C. Anu and T.Geetha Priya	An Potential and Accommodative FIR Filter Layout Hardware Implementation Using Verilog
4	ICCPCT-142	1084-1089	Saikumar Maroju, Ashok Kumar Damamu and Samundiswary Punniakodi	Design and Performance Analysis of Multiply-Accumulate (MAC) Unit
5	ICCPCT-215	1090-1093	Jyoti Patkure, Dagadu More and Mahesh Todkar	Fuzzy Gain Based Control Technique for the Feed in the Tool and Cutter Grinding Machine
6	ICCPCT-311	1094-1098	Sridhar Kp, Agalya R, Narmatha D, Vignesh B and Saravanan S	Test Data Compression using Hamming Encoder and Decoder for System On Chip (SOC) Testing
7	ICCPCT-396	1099-1104	Ms.Vaishali Raut and Dr.Pravin Dakhole	Design And Implementation Of Single Electron Transistor N-BIT Multiplier
8	ICCPCT-410	1105-1113	Anees Fathima Bashir and A Suruliandi	Comparative Evaluation of Various FFT Processor Architectures
9	ICCPCT-535	1114-1116	Gaytri Gupta	CMOS Instrumentation Amplifier Design with 180nM Technology
10	ICCPCT-589	N/A	Rupam Goswami, Basab Das, Brinda Bhowmick and Shanidul Hoque	A single gate nanoscale n-channel Silicon MOSFET with gate overlap Silicon Germanium region for improved Ion/Ioff ratio
11	ICCPCT-601	1121-1126	Rami Reddy Gangadhar Reddy and J.V.R Ravindra	A Novel Power-Aware and High Performance Full Addrer Cell for Ultra-Low Power Designs

Technical Session Schedule - ICCPCT - 2014

Day 1 - **20/3/2014 AN**   Time: 1.30 p.m - 5.00 p.m   Venue 10: EEE Smart Class Room

Session Title: **Security and Communication**

Chair:. Dr.Tamil Selvi, Professor, National College of Engineering , Kovilpatti &

Dr. Sharmini Enoch, Professor, NICHE.

Faculty in charge: Ms.M.B.Jayalekshmi, Assistant Professor, NICHE.

Rapporter: B.R.Nandhu, Roshan Raj, Savitha

Sl. No	Paper ID	Page No	Authors	Title
1	ICCPCT-71	1127-1133	Shona Kappan and Vivekanand V	Avionic Data Acquisition System using MIL STD 1553B Controller with IRIG-B Timecode Decoder
2	ICCPCT-184	1134-1139	Manas Kumar Hati and Tarun Kanti Bhattacharyya	Implementation of Dynamic Element Matching DAC and its use for Noise Cancellation in $\Delta \Sigma$ Fractional-N PLL
3	ICCPCT-208	1140-1145	Kingston Daniel, Anne Sophia and John Moses	A Comparative Analysis Of Bilinear Based Scalar Algorithms
4	ICCPCT-223	1146-1152	Sudha Shenbagarajan, L Jerart Julus and S Vimal	PERFORMANCE of CE-MSK-OFDM for LONG HAUL OPTICAL TRANSMISSION
5	ICCPCT-253	1153-1157	Shaktijeet Mahapatra and Mihir Narayan Mohanty	Feed Analysis of Microstrip Antenna for UWB Communication
6	ICCPCT-398	1158-1162	Sreenidhi S, Anushiya Rachel G, Vijayalakshmi P and Nagarajan T	LP and TD-PSOLA-Based Incorporation of Happiness in Neutral Speech Using Time-Domain Parameters
7	ICCPCT-438	1163-1167	Urvinder Singh, Dilpal Singh and Chandandeep Kaur	Hybrid Differential Evolution with Biogeography Based Optimization for Yagi-Uda Antenna Design
8	ICCPCT-559	1168-1174	Shantanu Sohale, T.Deepa Deepa and R.Kumar Kumar	Comparisons of Low Complexity Transforms For Multi Carrier Schemes
9	ICCPCT-562	1175-1179	Biswa Ranjan Behera, Hrudananda Pradhan and B. B. Mangaraj	A New Approach Of Performance Copmparision Between Microstrip Rectangular And Circular Patch Antenna Using Pso
10	ICCPCT-569	1180-1184	Rajendra Rewatkar and Sanjay Badjate	Comparative Analysis of Low Power High Speed Upsampler and Downsampler using Multirate
11	ICCPCT-576	1185-1189	Prashant Dubey, Biswajeet Champaty, Kunal Pal and D. N. Tibarewala	Development of a wireless voice control system for rehabilitative devices

Technical Session Schedule - ICCPCT - 2014

Day 1 - **20/3/2014 AN** Time: 1.30 p.m - 5.00 p.m   Venue 11: EIE Smart Class Room
Session Title: **Image Processing**
Chair:. Dr.Dhirendra Mishra, MPSTME, NMIMS University, Mumbai &
Dr. Rajeesh, Professor, Ponjesly Engineeringg College, Nagercoil .
Faculty in charge: Ms.I.Sowmy, Assistant Professor, NICHE.
Rapporter: Saju Chacko, Amina Jazeela Babu K.M, Evangelin

Sl. No	Paper ID	Page No	Authors	Title
1	ICCPCT-79	1190-1195	Dr. H.B. Kekre, Dr. Dhirendra Mishra and Varun Desai	Detection of Defective Pharmaceutical Capsules and Its Types of Defect Using Image Processing Techniques
2	ICCPCT-82	1196-1201	Tapas Si, Arunava De and Anup Bhattacharjee	Brain MRI Segmentation for Tumor Detection using Grammatical Swarm Based Clustering Algorithm
3	ICCPCT-97	1202-1210	Kalaiselvi Chinnathambi, Asokan Ramasamy and Premkumar Rajendran	Modified Segmentation Algorithm and its Feature Extraction of Cancer Affected White Blood Cells
4	ICCPCT-143	1211-1216	M.R.Daniya Raj	An Efficient Lung Segmentation Approach for Interstitial Lung Disease
5	ICCPCT-179	1217-1222	Dhiravidachelvi E and Rajamani V	Computerized detection of optic disc in diabetic retinal images using Background subtraction model
6	ICCPCT-309	1223-1228	K.Jai Devi, Hemalatha S and Ann Mathew	NUCLEAR TO CYTOPLASMIC RATIO & CELLBODY ANALYSIS OF VIRTUAL BIOPSY IMAGES FOR DIAGNOSING DISEASES
7	ICCPCT-322	1229-1237	Emmy Prema C and Vinsley S.S	Image Processing Based Forest Fire Detection using YCbCr Colour Model
8	ICCPCT-694	1238-1244	Tan Kok Kiong and Arun Shankar Narayanan	A Telerehabilitation Application with Pre-defined Consultation Classes

Technical Session Schedule - ICCPCT - 2014

Day 2 - **21/3/2014 FN**   Time: 10.30 a.m - 1.30 p.m   Venue 9: R&D First Floor

Session Title: **VLSI**

Chair:. Dr.N.Nirmal Singh, Professor, VV College of Engineering, Thisayanvilai &
Dr. C. Sreekanth, Assistant Professor, NICHE.
Faculty in charge: Ms.T.V.Sindia, Assistant Professor, NICHE.
Rapporter: Rajeev, Jaison S.J

Sl. No	Paper ID	Page No	Authors	Title
1	ICCPCT-415	1245-1250	Manisha Waje and Dr. Pravin Dakhole	Design and Simulation of New XOR Gate and Code converters using Quantum Dot Cellular Automata with reduced number of wire crossings
2	ICCPCT-422	1251-1256	M Monisha Ann, K Mohanadasse, Dr Sharmila, H Prasad and T D Sudhakar	PERFORMANCE COMPARISON OF ELECTRONIC BALLAST TOPOLOGIES FOR LOW POWER COMPACT FLUORESCENT LAMP APPLICATION
3	ICCPCT-451	1257 - 1262	Pawan Kale, Nilesh Patel, Gaurav Raut and Rahul Lanjewar	Design and Implementation of PSoC microcontroller based Photovoltaic System
4	ICCPCT-485	1263-1267	Kundan Vanama, Rithwik Gunnuthula and Govind Prasad	Design of Low Power Stable SRAM Cell
5	ICCPCT-522	1268-1272	Minu Mathew and D Mugilan	Reconfigurable Router Design for Network-On-Chip
6	ICCPCT-544	1273-1278	A Nisanth, Suja Kj and Rama Komaragiri	Performance Analysis of a Silicon Piezoresistive Pressure Sensor Based on Diaphragm Geometry and Piezoresistor Dimensions
7	ICCPCT-551	1279-1283	Shailendra Kumar Sonkar, Suja K J and Swapna Krishnan J	SIGNAL CONDITIONING UNIT FOR PIEZORESISTIVE BASED MICRO PRESSURE SENSORS
8	ICCPCT-561	1284-1290	Sriraj Dheeraj Turaga, Arun Jyothi E and Jaya Datta Sai K	Power Reduction Technique Using Adiabatic Logic
9	ICCPCT-581	1291-1295	Bharathi Raghuraman	Performance Optimization of Bulk Junctionless FinFETs through Work Function Engineering
10	ICCPCT-595	1296-1301	Muthukumar Paramasivan and Dr.Melba Mary Paulraj	A Co-Simulation of Random Pulse Width Modulation Generation
11	ICCPCT-608	1302-1306	N. Sainath Reddy and Ravindra J.V.R	A Novel Modulo 2^n+1 Fused Multiply-Adder unit for secured VLSI architectures

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Day 2 - **21/3/2014 FN**   Time: 10.30 a.m - 1.30 p.m   Venue 10: EEE Smart Class Room

Session Title: **Networks and Communications**

Chair:. Dr. S. S. Vinsly , Principal, Lourdes Mount College of Engineering and Technology &

Dr. V.S.Dharun, Assistant Professor, NCIHE

Faculty in charge: Ms.M.B.Jayalekshmi, Assistant Professor, NICHE.

Rapporter: B.R.Nandhu, Roshan Raj, Savitha

Sl. No	Paper ID	Page No	Authors	Title
1	ICCPCT-148	1307-1311	Neema Abraham, Edwin Winston and Vadivel Muniyappan	ADAPTIVE CHANNEL ALLOCATION ALGORITHM FOR WIFI NETWORKS
2	ICCPCT-259	1312-1316	Rajesh Burla, Ankit Agarwal and Aanandha Saravanan	Proficient Modus Operandi for Scrutinize Air Pollution Using Wireless Sensor Network
3	ICCPCT-274	1317-1320	Aarthy M, Dipu P, Venkata Ramesh E and Harshavardhan B	A Comparitive Study of Compression Decompression Scheme Using Huffman and Selective Huffman Techniques
4	ICCPCT-325	1321-1323	Arun Rajesh, Arun Kumar and Dr.M.Lakshmi Lakshmi	Routing Optimization Algorithm via Fuzzy Logic Towards Security in Wireless ad-hoc Networks
5	ICCPCT-337	N/A	Lakshmisreenivasareddy D, Raveendrababu B, Geetalatha M and Bramha Rao K.B.V	Efficient Model to Find Outliers in Categorical Data Using Outlier Factor by Infrequency
6	ICCPCT-339	1329-1333	Mathew George and Anish Francis	Neural Network Estimation for MIMO-OFDM reviewers
7	ICCPCT-351	1334-1337	A. Sudharshanan, R Prasanna and Raajan Renga	Comparison of Performance Estimation in various modulation techniques with Secrete sequences over OFDM
8	ICCPCT-355	1338-1343	Anna Devi and Martin Leo Manickam	Detecting and Repairing Network Partition in Wireless Sensor Networks
9	ICCPCT-395	1344-1348	Anand Kukde, S. Kumaravel and B. Venkataramani	A High Linearity Folded Cascode Low Noise Amplifier for Wireless Receivers
10	ICCPCT-490	1349-1353	Bharath Ammaiyappan and Sivagurunathan P.T	Collision Avoidance System in Vehicular Adhoc Network Utilizing Dichotomized Headway Model
11	ICCPCT-516	1354-1359	Vijayalakshmy Govindan and Sivaradje Gopalakrishnan	LTE backbone for heterogenous architectures

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Day 2 - **21/3/2014 FN**   Time: 10.30 a.m - 1.30 p.m   Venue 11: EIE Smart Class Room

Session Title: **Image Processing**

Chair:. Dr. Sheebha Rani, Associate Professor, Indian Institute of Space Science and Technology, Trivandrum &
Dr.S.S.Kumar, Associate Professor, NICHE.

Faculty in charge: Ms.I.Sowmy, Assistant Professor, NICHE.

Rapporter: Saju Chacko, Amina Jazeela Babu K.M, Evangelin

Sl. No	Paper ID	Page No	Authors	Title
1	ICCPCT-296	1360-1365	Ramkumar R, Rajesh V and Vasanth K	Performance of the Decision based algorithm for the Removal of Unequal Probability Salt and Pepper Noise in images
2	ICCPCT-418	1366-1371	Manoj Chaudhary and Parul Pithadia	Multi-Feature Histogram Intersection for Efficient Content Based Image Retrieval
3	ICCPCT-420	N/A	Deepak P, S. Krishnakumar and Smitha Suresh	Video Surveillance using Image Processing
4	ICCPCT-478	1378-1385	Bidyut Jyoti Saha, Arun Chauhan, Kunal Kumar Kabi and Chittaranjan Pradhan	A Robust Digital Watermarking algorithm using DES and ECC in DCT Domain for Color Images
5	ICCPCT-480	N/A	Sachin Kale and Sunil Tamhankar	Texture Extraction for Image Retrieval Using Pyramidal Wavelet Transform
6	ICCPCT-488	1390-1395	Eswaramoorthy S, Thulasi N and Thirunadana Sikamani K	Automatic Video Based Target Tracking with auto Swapping and Compression Technique
7	ICCPCT-533	1396-1399	Muthu Vel and Padma Suresh	ECG signal Feature extraction and Classification using Harr wavelet Transform and Neural network
8	ICCPCT-534	1400-1404	Muthu Vel, Padma Suresh and Jerry Alexander	Spectrum approach based classification of ECG signal
9	ICCPCT-564	1405-1408	Punitha Karthikeyan	Driver Fatigue Monitoring System Based On Eye State Analysis
10	ICCPCT-574	1409-1415	Antony Jude and Suruliandi A	Performance Evaluation of Land cover change detection Algorithms using remotely sensed Data

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Day 1 - **20/3/2014 AN**   Time: 1.30 p.m - 5.00 p.m   Venue 12: IT Smart Class Room
Session Title: **Computing and Networking**
Chair:. Dr. Suruliandi, Professor, M.S. University, Tirunelveli &
Dr. Maria Celestin Vijila, Associate Professor, NICHE
Faculty in charge: Ms.V.Femi, Assistant Professor, NICHE.
Rapporter: Muthu Lekshmi, Sree Govind G.B

Sl. No	Paper ID	Page No	Authors	Title
1	ICCPCT-114	1416-1420	Taarika Ravichandran	Content Based Filtering in Online Social Network using Inference Algorithm
2	ICCPCT-124	N/A	Jabez J Jones and Dr. Anandha Mala Mala G.S	A Study On Intrusion Detection System Based On Pnt For Network Datasets
3	ICCPCT-224	1426-1431	Pratheba R, Sivasangari A and Saraswady D	Performance Analysis of Pest Detection for Agricultural Field Using Clustering Technique
4	ICCPCT-370	1432-1436	Smitha Suresh, Deepak P and Chitra Manikandan	An Efficient Low Cost Background Subtraction Method To Extract Foreground Object During Human Tracking
5	ICCPCT-376	1437-1442	Kranthi Kumar K and T Venu Gopal	A Novel approach to Self Order Feature Reweighting in CBIR to reduce Semantic Gap using Relevance Feedback
6	ICCPCT-385	1443-1447	Balamurugan Balusamy, Nirmala Devi, Meenakshi Ravikumar and Abinaya Vaidhyanathan	Enhanced Framework for Verifying User Authorization and Data Correctness Using Token Management System in the Cloud
7	ICCPCT-462	1448-1454	Girish Lakhekar and Rupam Gupta Roy	Heading control of an underwater vehicle using dynamic fuzzy sliding mode controller
8	ICCPCT-463	1455-1461	Girish Lakhekar and Rupam Gupta Roy	A fuzzy neural approach for dynamic spectrum allocation in cognitive radio networks
9	ICCPCT-567	1462-1467	Amala Josephine Theresa and Suruliandi A	A Study On Authentication Protocols For Dynamic Groups In The Network
10	ICCPCT-571	1468-1473	Sudhir Nikhade and Amrita Agashe	Wireless Sensor Network Communication Terminal Based on Embedded Linux and Xbee

Technical Session Schedule - ICCPCT - 2014

Day 1 - **20/3/2014 AN**   Time: 1.30 p.m - 5.00 p.m   Venue 13: EEE Class Room - 1

Session Title: **Image Processing**

Chair:. Dr.V.Kalaivani, Associate Professor, National Engineering College, Kovilpatti &
Dr. Shajin Nargunam, Director Academics, NICHE.
Faculty in charge: M.S.T.K.Sreeja, Assistant Professor, NICHE
Rapporter:, Jobin Johnson, Devi

Sl. No	Paper ID	Page No	Authors	Title
1	ICCPCT-12	1474-1479	Vani B, Shyni Beaulah M and Deepalakshmi R	High accuracy Optical Character Recognition algorithms using learning array of ANN
2	ICCPCT-52	1480-1483	Therese Yamuna Mahesh	Detection of diseases based on vessel structure and colour changes as viewed on the sclera region of the eye
3	ICCPCT-67	N/A	Sithara Gopinath and Gopi V	HUMANOID ROBOT IMITATION BY IMAGE RECOGNITION
4	ICCPCT-68	1490-1495	Santhosh S	Design and Development of a Security Module with Inbuilt Neural Network Methodologies and An Advanced Technique on FingerPrint Recognition
5	ICCPCT-136	1496-1502	Mamatha H R, Sucharitha Srirangaprasad and Srikantamurthy K	An Approach Based on Feature Fusion for the Recognition of Isolated Handwritten Kannada Numerals
6	ICCPCT-137	1503-1506	Sasithra Devi and Nirmal Singh	Synergy of Adaptive Bacterial foraging algorithm and Particle Swarm Optimization Algorithm for Image Segmentation
7	ICCPCT-205	1507-1511	Arindam Ghosh, Ruma Ghosh and Debaprasad Mukherjee	A novel highly scalable clustering algorithm based on hypergraph and successive merging with randomization for complex data sets
8	ICCPCT-276	1512-1517	Escalin Tresa	COMPARATIVE ANALYSIS OF DIFFERENT WAVELETS IN DWT FOR VIDEO COMPRESSION
9	ICCPCT-492	1518-1521	Srilakshmi E K	Segmentation and Classification of Anomaly in Fundus Images'
10	ICCPCT-505	1522-1527	Manoj Chaudhary and Abhay Upadhyay	Integrating Shape and Edge Histogram Descriptor with Stationary Wavelet Transform for Effective Content Based Image Retrieval

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Day 1 - **20/3/2014 AN** Time: 1.30 p.m - 5.00 p.m   Venue 14: EEE Class Room -2

Session Title: **Computing and Security**

Chair: Dr.S.Sankar Ganesh, Associate Professor, National Engineering College, Kovilpatti &
Dr. R.S.Shaji, Professor, NICHE.
Faculty in charge: Ms.Y.Jeyasheela, Assistant Professor, NICHE
Rapporter: Richu R.S, Sreejith S, Antony Raj

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1	ICCPCT-127	1528-1535	M. Vinusha Mani	Intelligent Embedding and Decoding Scheme for Real Time Audio Processing.
2	ICCPCT-362	1536-1540	Jesudoss A and Subramaniam N P	Attack-Tolerant Security Model for WS-Security
3	ICCPCT-416	1541-1547	Vaibhav Suri and Sourabh Parimi	Cyberbullying Detection and Prevention: Data Mining and Psychological perspectives
4	ICCPCT-449	1548-1553	Vignesh H, T Vijayanandh and Shenbagavalli A	A proficient algorithm for reversible data hiding using histogram modification
5	ICCPCT-489	1554-1558	Sangeetha Yalamanchili and Satya Prasad Raavi	Finding Reliable Software using SPRT based on Inflection S-Shaped model:An Order Statistics Approach
6	ICCPCT-552	1559-1564	Ramya Rajalakshmi, Rathinraj and Braveen	Anonymizing Log Management Process for Secure Logging in the Cloud
7	ICCPCT-553	1565-1570	P.Praveen Chandar, D. Muthuraman and M.Rathinraj	Hierarchical Attribute Based Proxy Re-Encryption Access Control in Cloud Computing
8	ICCPCT-557	1571-1577	Betina Antony and G.S Mahalakshmi	Named Entity Recognition for Tamil Biomedical Documents
9	ICCPCT-599	1578-1583	Nandhitha Muthu, Emalda Roslin and Anita Daniel	Transposition Based Symmetric Encryption and Decryption Technique for Secured Image Transmission through Internet
10	ICCPCT-621	1584-1588	R Dr.Velayutham and Jasmin U	Enhancing the Security in Signature Verification for wsn with Cryptographic Algorithm

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Day 2 - **21/3/2014 FN** Time: 10.30 a.m - 1.30 p.m   Venue 12: IT Smart Class Room
Session Title: **Security**
Chair: Dr.Velayutham, Professor, Einstein Engineering College & Dr. K.Siva Sankar, Assistant Professor, NICHE.
Faculty in charge: Ms.V.Femi, Assistant Professor, NICHE.
Rapporter: Muthu Lekshmi, Sree Govind G.B

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1	ICCPCT-102	N/A	Preeti Shaw and Abhishek Tripathi	Proxy Signature Scheme for control delegation using Forward Secure ECDSA
2	ICCPCT-104	1598-1602	Ahmad Siddiqui	Biometrics to Control ATM Scams: A Study
3	ICCPCT-116	1603-1608	Dhivya Baskaran	Detecting and Investigating the Source Code Changes using Logical rules
4	ICCPCT-153	1609-1612	Siva Sangari and Martin Leo Manickam	Public Key Cryptosystem Based Security In Wireless Body Area Network
5	ICCPCT-206	1613-1618	Anto Initha E and Jackins V	Secured Data Handling System Using Ethernet
6	ICCPCT-210	1619-1623	Sodagudi Suhasini	A Behavioral Model to Identify and Analyze Anomalous Attacks on Packet Forwarding
7	ICCPCT-211	1624-1629	Jiban Dalal, Bikramjit Sarkar and Debaprasad Mukherjee	Adaptive operator switching and solution space probability structure based genetic algorithm for information retrieval through pattern recognition
8	ICCPCT-212	1630-1636	Sita Kumari	Comparative study of Pareto Type II with HLD in assessing the software reliability with order statistics approach using SPC
9	ICCPCT-213	N/A	Sita Kumari	Detecting sprt pareto type II software reliability – A comparative study
10	ICCPCT-214	1647-1651	P Kalai Vani and K.L. Shunmuganathan	An Improved K-nearest-neighbor algorithm using Genetic Algorithm for Sentiment Classification
11	ICCPCT-229	1652-1656	Sasikala T.S and J Jeya A Celin	Enhancement Of Security Using Multimodal Biometrics

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Day 2 - **21/3/2014 FN** Time: 10.30 a.m - 1.30 p.m   Venue 13: EEE Class Room -1

Session Title: **Artificial Intelligent Techniques**

Chair:. Dr.P.Yokesh, Associate Professor, Anna University, Chennai &
Dr.R.V.Siva Balan, Associate Professor, NICHE
Faculty in charge: M.S.T.K.Sreeja, Assistant Professor, NICHE
Rapporter: Jobin Johnson, Devi

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1	ICCPCT-59	1657-1661	Tapas Si, Arunava De and Anup Bhattacharjee	Grammatical Swarm for Artificial Neural Network Training
2	ICCPCT-60	1662-1667	Tapas Si, Arunava De and Anup Bhattacharjee	Particle Swarm Optimization with Generalized Opposition Based Learning in Particle's Pbest Position
3	ICCPCT-192	1668-1676	Chinchu Chandrasenan, Nafeesa T.A, Reshma Rajan and Vijayakumar K	Autonomous Mobile Robot with Manipulator Based on Multisensor Data Fusion for Target Detection
4	ICCPCT-267	1677-1681	Sivarathinabala M and Abirami S	A Real Time Approach to Track Humans in Surveillance videos
5	ICCPCT-294	1770-1773	Suriya Sundaramoorthy	Frequent Pattern Mining using Lexicographic Tree Representation
6	ICCPCT-313	1682-1686	Edwin Winston P P and Jasmine George	Fast Mobile WiMAX Handover by Optimizing Network Topology Acquisition Phase Procedure
7	ICCPCT-328	1687-1691	U Rajkanna, M Mathankumar and K Gunasekaran	Hand Gesture Based Mobile Robot Control Using PIC Microcontroller
8	ICCPCT-345	1692-1697	Santhosh S	Innovative Methodology and Designing of Intelligent Mobile Robots Computer Vision with Genetic Algorithm SLE Mechanism and Advanced Sensors in Managing Disaster
9	ICCPCT-353	1698-1703	S.K. Pillai and M.K. Jeyakumar	Extreme Learning Machine for Software Development Effort Estimation of Small Programs
10	ICCPCT-356	1704-1709	Resmi .J.Chandran , I.Jacob Raglend and M.Dev Anand	FORWARD KINEMATIC SOLUTION FOR A FIVE JOINT ROBOT USING ARTIFICIAL NEURAL NETWORK
11	ICCPCT-426	1710-1713	Nilesh Patel, Gauravkumar Raut, Pawan Kale, Pratik Choudhari, Nikesh Patel and Aasif Bherani	Smart Design of Microcontroller Based Monitoring System for Agriculture

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Day 2 - **21/3/2014 FN**   Time: 10.30 a.m - 1.30 p.m   Venue 14: EEE Class Room -2
Session Title: **Computing**
Chair:. Dr. K. L. Shunmuganathan, Professor, RMK Engineering College, Chennai &
Dr. R. Mathusoothana S. Kumar, Associate Professor, NICHE.
Faculty in charge: Ms.Y.Jeyasheela, Assistant Professor, NICHE
Rapporter: Richu R.S, Sreejith S, Antony Raj

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1	ICCPCT-26	1714-1722	Malathi S, Nishanthini S and Abinaya M	Smart Video Surveillance System and Alert with Image Capturing using Android Smart Phones
2	ICCPCT-29	1723-1727	Chandrasekar Ravi and Neelu Khare	EO-ARM: an Efficient and Optimized k-map based positive-negative Association Rule Mining technique
3	ICCPCT-134	N/A	Mohana Prasad.K. Mohanaprasad	Formation Of Clusters Through Analysing The Similarities And Strength Of The Variables In A Data Set
4	ICCPCT-232	1733-1736	Ram Prasadh N and Anju S Pillai	Measurement of Current and Power Consumption in the Order of Milli-Watt Resolution in Processor Core Level
5	ICCPCT-256	1737-1741	Kunal Mandal, Angshuman Jana and Vineet Agarwal	A New Approach of Text Stegonography Bassed on Mathemetical Model of Number System
6	ICCPCT-258	1742-1747	Chandan Kumar, Sandip Dutta and Soubhik Chakraborty	Musical Cryptography using Genetic Algorithm
7	ICCPCT-297	1748-1752	Senthilkumar V.M., Siddhan Saravanan and Chinju M Sunny	Design of Delay Buffer using Shift Registers for Asynchronous Data Sampling
8	ICCPCT-408	1753-1758	Ramya T, Lilly Christina S, Vijayalakshmi P and Nagarajan T	Analysis on MAP and MLLR based Speaker Adaptation Techniques in Speech Recognition
9	ICCPCT-439	1759-1762	Pille Kamakshi	A Survey on Privacy Issues and Privacy Preservation in Spatial Data Mining
10	ICCPCT-494	1763-1769	Chandan Gautam and Vadlamani Ravi	Evolving Clustering Based Data Imputation