

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, A.Rangampet – 517 102

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The Department of Electrical and Electronics Engineering, SVEC, organized a National conference on “**Enhancements in Power Electronics and power Systems**”- (NCEPEPS-2013) under Technical Education Quality Improvement Program-II.

The aim of the conference is to bring together both researchers and PG students to meet new colleagues, collect new ideas and establish new cooperation between research groups. This conference provides a platform for researchers from academia and students to present their work and exchange ideas, information, techniques and applications in the field of Power electronics and power systems.

Authors presented papers in various fields of electrical engineering like multilevel inverters, smart grid, renewable energy, custom power devices and FACTS controllers etc., About 52 papers are received.35 papers are presented during the conference.

Prof. T, Gopala Rao garu, Special officer inaugurated the program and gave his valuable suggestions. **Dr. Bishnu.P.Muni**, General Manager, BHEL (R&D) is the Chief guest, Dr Muni enlightened the recent advances in the field of power electronics in his keynote address. **Dr.P.C.Krishnamachary, Principal, Dr.D.V.S.Bhagavanulu, Director, Dr.P. Ramana Reddy** (Dean, PG courses) and **Dr.T.Devaraju**, Convener of the conference welcomed the participants.

Dr.V C Veera Reddy and **Dr.D.Damodar Reddy** are the external Judges. Prof.P.Umapathi Reddy and Prof.M.S.Sujatha are the internal judges for the conference.

Mr. P.Ramesh, Asst Professor, presented the vote of thanks.







SCHEDULE OF NCEPEPS-2013

VENUE: Dasari Auditorium

Inauguration

(9:00-10:00 AM)

Keynote Address-I

Dr.B.P.Muni,GM,BHEL (R&D)

(10:30AM-12:00PM)

Keynote Address-II

Dr.B.P.Muni,GM,BHEL (R&D)

(12:15PM-1:45PM)

DATE: 26.03.2012

SESSION- I: (2:00 - 3:45PM)

TITLE: POWER SYSTEMS

VENUE: E-CLASS ROOM

S.No	Title of the Paper	Authors
1.	TRANSMISSION NETWORK COST ALLOCATION BY USING IMPEDANCE METHOD	Y.N VIJAY KUMAR
2.	VOLTAGE-CONTROL BASED PMBLDCM BY USING CUK CONVERTER WITH PFC	K.SANTOSH KUMAR REDDY & K.SUDARSHAN REDDY
3.	A NOVEL DIRECT POWERCONTROL METHOD OF UPFC BY USING MATRIX CONVERTER	GOWTHAM CHENDRA & T.VARA PRASAD
4.	MODIFIED MULTILEVEL INVERTER WITH REDUCED NUMBER OF SWITCHES	A. CHANDRAKALA
5.	LOSS MINIMIZATION OF A POWER SYSTEM BY OPTIMAL PLACEMENT OF THYRISTOR CONTROLLED SERIES CAPACITOR	GALAM RAVI
6.	A GENERALIZED CASCADED MULTILEVEL INVERTER USING SERIES CONNECTION OF SUBMULTILEVEL INVERTERS	A.REDDI PRASANNA & P.CHANDRA SEKHAR

7.	CAPACITOR VOLTAGE BALANCING OF FLYING CAPACITOR MULTILEVEL CONVERTERS BY SPACE VECTOR PWM	K VIJAYA LAKSHMI & G.JAYAKRISHNA
8.	ENHANCEMENT OF MICRO TURBINE-GENERATOR OUTPUT VOLTAGE QUALITY THROUGH APPLICATION OF MATRIX CONVERTER INTERFACE	L.SURESH
9.	DUAL AXIS SOLAR TRACKING USING LIGHT SENSORS	B. MEGHANATH REDDY
SESSION- II: (4:00 - 5:45PM)		
10.	AN INTEGRATED NINE SWITCH POWER CONDITIONER FOR POWER QUALITY ENHANCEMENT AND VOLTAGE SAG MITIGATION	PUSHPA N & G.JAYAKRISHNA
11.	CONTROL OF VOLTAGE SOURCE INVERTER USING SPACE VECTOR PULSE WIDTH MODULATION METHOD	N.SANDEEP REDDY
12.	POWER QUALITY IMPROVEMENT IN DISTRIBUTION SIDE HAVING BALANCED & UNBALANCED LOADS	Y.ANUSHA
13.	COMBINED ECONOMIC LOAD AND EMISSION DISPATCH EVALUTION USING BAT ALGORITHM	RAKESH.V
14.	MAXIMUM LOSS REDUCTION THROUGH OPTIMAL PLACEMENT OF UNIFIED POWER-FLOW CONTROLLER USING FIREFLY ALGORITHM	M.RAMANAIAH
15.	WIND FARM TO WEAK-GRID CONNECTION BY USING UPQC CUSTOM POWER DEVICE	S. LOPAMUDRA
16.	MITIGATION OF VOLTAGE SAG AND SWELL USING DISTRIBUTED POWER FLOW CONTROLLER	B.RUPENDRA NAIK
17.	POSITIONING OF SVC AND STATCOM IN A SERIES COMPENSATED LONG TRANSMISSION LINE	HEMANTH KUMAR.T

SCHEDULE OF NCEPEPS-2013

SREE VIDYANIKETHAN ENGINEERING COLLEGE
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
NCEPEPS -2013
SESSION WISE DETAILS

DATE: 27.03.2012

SESSION - I: (9AM-10:30AM)

TITLE: POWER ELECTRONICS

VENUE: E-CLASS ROOM

S.No	Title of the Paper	Authors
1.	DESIGN AND SIMULATION OF BUCK PFC	KARTHEEK VANKADARA & R.RAMA PRASAD
2.	INVESTIGATION OF WAVELET BASED DG FOR POWER QUALITY IMPROVEMENT	D.SREENADH REDDY
3.	POWER QUALITY ANALYSIS IN REAL-TIME ENVIRONMENT USING DSP TECHNIQUES	SRIVIDYA T
4.	OPTIMAL ALLOCATION OF DISTRIBUTED GENERATION IN DISTRIBUTION SYSTEM FOR LOSS REDUCTION	R. MAHESWAR REDDY
5.	WAVELET AND ANN BASED DETECTION OF INRUSH AND INTERNAL FAULTS IN POWER TRANSFORMERS	K. VIKRAMYADAV
6.	A STATCOM-CONTROL SCHEME FOR GRID CONNECTED WIND ENERGY SYSTEM FOR POWER QUALITY IMPROVEMENT	P.CHANDRA SEKHARA, P.RAJA SEKHAR & G.KRISHNA DEEKSHIT
7.	WIDE SPEED RANGE ESTIMATION USING FUZZY CONTROLLER FOR SENSOR LESS INDUCTION MOTOR DRIVES	MR.SK.GHOUSE MODIN, MR.Y.NAGA RAJA, MR.S.NARESH SIVA KANTH & MR.D.PRASANTH
8.	STUDIES ON ENHANCEMENT OF TWO AREA POWER SYSTEM DYNAMICS THROUGH SERIES CONNECTED FACTS DEVICES	N.M.G KUMAR
9.	COMPARATIVE STUDY OF MAXIMUM POWER POINT TRACKING ALGORITHMS FOR PHOTOVOLTAIC SYSTEMS	MR.Y.NAGA RAJA, MR.SK.GHOUSE MODIN, MR. N.KAUSHIK & MR. T. RAJA KULLAYAPPA

SESSION - II: (10:30AM-12:30 PM)		
10.	A NEW FIVE LEVEL H-BRIDGE INVERTER TOPOLOGY	K.MURALIKUMAR, M.LOKANADHAM & P.PAVANKUMAR
11.	OVER CURRENT AND OVER VOLTAGE PROTECTION OF POWER TRANSFORMER BY USING MICROCONTROLLER – BASED RELAY	M.DRUGA KUMAR & A.SHARAN KUMAR
12.	POWER MANAGEMENT AND POWER FLOW CONTROL IN UTILITY CONNECTED MICROGRID BY USING IGBT SWITCH	C.UMAMAHESWARA REDDY & G.VIJAYAKUMAR
13.	IMPLEMENTATION OF DYNAMIC VOLTAGE RESTORER FOR EMERGENCY CONTROL IN DISTRIBUTION SYSTEMS	K.VINOD KUMAR
14.	ENHANCEMENT OF POWER TRANSFER CAPABILITY AND POWER QUALITY IMPROVEMENT USING SSSC	B.MALLIKARJUNA REDDY & B.SUBBA REDDY
15.	QUASI-TWO-LEVEL AND THREE-LEVEL OPERATION OF A DIODE-CLAMPED MULTILEVEL INVERTER USING SPACE VECTOR MODULATION	K.RAJESH & K.VIJAYA BHASKAR
16.	THE ISLANDING DETECTION IN A DISTRIBUTION SYSTEM INTERFACED WITH DISTRIBUTED GENERATION USING FUZZY RULE-BASE	M. ABHINAY KRISHNA & T. MADHURANTHAKA
17.	MITIGATION OF HARMONICS AND POWER QUALITY IMPROVEMENT FOR A GRID CONNECTED WIND ENERGY SYSTEM USING UPFC	SK.FARIZKHAN & S.MUNI SEKHAR
18.	FAILURE ANALYSIS OF SHUNT CONVERTER IN DISTRIBUTED POWER FLOW CONTROLLER	P. RAMESH

Best papers in the conference-NCEPEPS-2013		
1	COMPARATIVE STUDY OF MAXIMUM POWER POINT TRACKING ALGORITHMS FOR PHOTOVOLTAIC SYSTEMS	MR.Y.NAGA RAJA, MR.SK.GHOUSE MODIN, MR. N.KAUSHIK & MR. T. RAJA KULLAYAPPA
2	DUAL AXIS SOLAR TRACKING USING LIGHT SENSORS	B. MEGHANATH REDDY
3	THE ISLANDING DETECTION IN A DISTRIBUTION SYSTEM INTERFACED WITH DISTRIBUTED GENERATION USING FUZZY RULE-BASE	M. ABHINAY KRISHNA & T. MADHURANTHAKA

DR.T.DEVARAJU
COVENER-NCEPEPS-2013