

**K.L.N COLLEGE OF INFORMATION TECHNOLOGY  
POTTAPALAYAM**

**Department of Electrical & Electronics Engineering**

Dr.J. BASTIN SOLAI NAZARAN

**Research Work**

S.No	Title	Period	Details
1	'Security enhanced OPF with transmission cost solution under bilateral and multilateral transactions'	June 2014	Applied Mechanics and Materials Vol. 573 (2014) pp 734-740 (Annexure-II-1434) June 2014.

**Paper Publication (International)**

S.No	Title	Period	Details
1	Maintaining constant DC-link voltage of adjustable Speed Drive using Cuk Converter	July 2016	Asian Journal of Research in Social Sciences and Humanities, Year 2016, Volume-6, Issue-7 (July) pp 608-617.
2	Investigation of Multi objective Security Enhanced OPF with Transmission Pricing	July 2016	Asian Journal of Research in Social Sciences and Humanities, Year 2016, Volume-6, Issue-7 (July) pp 560-573.
3	'Optimal power flow with transmission cost solution under bilateral and multilateral transactions '	June 2014	Archives of Electrical Engineering Journal, vol. 63, no. 2, pp. 227-245, Wydawnictwo Naukowe PWN SA, June 2014
4	'Security enhanced optimal power flow with transmission cost solution'	August 2012	IREE, vol. 7, no. 4, pp 4963-4970
5	A covariance matrix adapted evolution strategy based solution to optimal power flow plus transmission charging	2011	CCIS 250, pp. 765-769, Springer Verlag

**Paper Publication (National)**

S.No	Title	Period	Details
1	' Reactive Power Loss Allocation Using Optimal Tracing Method'	2010	ICCCN2010 International Conference, Chettinad College of Engg. & Tech., Karur.

<b>S.No</b>	<b>Title</b>	<b>Period</b>	<b>Details</b>
2	'PSO based Fuzzy controller design for SVC to enhance power system damping'	2004	NPSC-2004 National conference, IITM, Chennai, India

Dr.K.R.RAMELA

### **International Journal**

<b>S.No</b>	<b>Title of the paper</b>	<b>Name of the Journal &amp; DOI</b>	<b>Month &amp;Year of Publication</b>
1	Maintaining Constant DC-link Voltage of Adjustable Speed Drive using CUK Converter	Asian Journal of Research in Social Sciences & Humanities	July-2016
2	Ride-through Capability of Low Power Adjustable Speed Drives for Various Categories of Voltage Sag and Swell	International Journal of Applied Engineering Research	September-2014
3	A Cuk Converter to Improve the Ride-Through Capability of Low Power Adjustable Speed Drives for Voltage Sag and Swell	International Review of Electrical Engineering	August 2013

### **International Conference**

<b>S.No</b>	<b>Title of the Paper</b>	<b>Name of the Conference</b>	<b>Venue</b>
1.	Simulation of ASD during Type A & B Voltage Sag with and without Buck-Boost Converter	ICDASDC'16	PSS Lab
2.	Design of Hybrid Power System using HOMER for Residential Load	ICDASDC'16	PSS Lab
3.	The Impact of Voltage Sag on Induction Motor Drive	ICDASDC'16	PSS Lab
4.	Nine Level Asymmetrical Cascaded Multi Level Inverter with Reduced Switch Count Employing Inverted Sine PWM Technique	ICDASDC'16	PSS Lab
5.	Smart Interconnection of Renewable Energy Sources to the Distributed Grid	ICDASDC'16	PSS Lab
6.	Ride Through of Adjustable Speed Drive	ICDASDC'16	PSS Lab

### National Conference

S.No	Tile of the Paper	Name of the Conference	Venue
1	Performance Improvement of Induction Motor Drive under Type A Voltage Sag and Instantaneous Swell Condition	NCEPEER'16	PSS Lab
2	Design and Simulation of SEPIC Converter for Solar Panels using Adaptive Techniques Aalgorithm for GMPPT	NCEPEER'16	PSS Lab

### G.UMADEVI

### International Conference

S.No	Tile of the Paper	Name of the Conference	Venue
1	Analysis of Aircraft Landing system using Low visibility conditions	IEEE Sponsored International conference on information, embedded and communication systems	Karpagam college of Engineering Coimbatore

### National Conference

S.No	Tile of the Paper	Name of the Conference	Venue
1	Reducing Electricity cost of Appliance based on Time of Utilisation	National Conference on recent trends in Engineering & Information Technology	KLNCIT
2	A Module integrated Isolated solar Microconverter	National Conference on recent trends in Engineering and Information Technology	KLNCIT
3	Analysis and Simulation of Electric Power System using MATLAB/ Simulink	National conference on Innovations in Engineering and Technology	Karpagam college of Engineering Coimbatore
4	Network Hazard detection and Stampede Avoidance system	National conference on Emerging Perceptions in Electrical, Electronics and Robotics	KLNCIT
5	Zigbee-based data acquisition system for online monitoring of grid-connected photovoltaic system	National conference on Emerging Perceptions in Electrical, Electronics and Robotics	KLNCIT
6	Fault current limitation using combined SFCL for the smart grid application	CSIR sponsored fifth national conference on Advanced Technologies in Electrical Engineering	Kamaraj college of Engineering and Technology

**N.NAGARANI**

**International Journal**

<b>S.No</b>	<b>Title of the paper</b>	<b>Name of the Journal &amp; DOI</b>	<b>Month &amp;Year of Publication</b>
1	Analysis and Design of Soft Switching Isolated SEPIC Converter for DC Distribution Systems	International Journal of Technology and Engineering Science [IJTES] TM Vol 1 (4), pp 245 – 252	July 2013

**International Conference**

<b>S.No</b>	<b>Title of the Paper</b>	<b>Name of the Conference</b>	<b>Venue</b>
<b>Academic Year(2016-2017)</b>			
1	A Paper titled “Analysis of Aircraft Landing System in Low Visibility Conditions”	International conference (IEEE Conference)	17 <sup>th</sup> & 18 <sup>th</sup> March 2016 at Karpagam College of Engg., Coimbatore

**National Conference**

<b>S.No</b>	<b>Title of the Paper</b>	<b>Name of the Conference</b>	<b>Venue</b>
1	Water harvesting from atmospheric air	“Recent Trends in Engineering and Information Technology” RTEIT’17 2 <sup>nd</sup> MARCH 2017	KLNCIT
2	“Analysis and Simulation of Electrical Power System using MATLAB/Simulink	ISTE Sponsored National conference on 30.1.2016	Karpagam college of Engineering, Coimbatore
3	“Gateway model for Environment pollution monitoring using wireless sensor network”	National conference on 23.3.16	KLNCIT

**C.ANBALAGAN****Conference**

<b>S.No</b>	<b>Title</b>	<b>Details</b>
1	Hybrid –wind Driven PMSG -PV System for Grid Connected using MPPT with single DC-DC converter and Inverter.	Presented a paper in National Conference on Emerging Perceptions in Electrical, Electronics and Robotics (NCEPEER- 2016)
2	The control and Analysis of self Healing Urban Power Grid	Presented a paper in National Conference on Emerging Perceptions in Electrical, Electronics and Robotics (NCEPEER- 2016)
3	Design of New Bridgeless convertor based power factor corrections.	Presented a paper in National Conference on Emerging Perceptions in Electrical, Electronics and Robotics (NCEPEER- 2016)
4	Detection and Diagnosis of Single stuck –at faults in Exclusive –OR sum of Products Reed – Muller canonical circuits	Presented a paper in National Conference on Emerging Perceptions in Electrical, Electronics and Robotics (NCEPEER- 2016)
5	A Robust adaptive control strategy of active power filters for power factor correction, Harmonic compensation & Balancing of Non-linear loads	Presented a paper in National Conference on Emerging Perceptions in Electrical, Electronics and Robotics (NCEPEER- 2016)
6	Power Quality Improvement for Grid Connected Wind Energy System Using STATCOM	Presented a paper in National Conference on Emerging Perceptions in Electrical, Electronics and Robotics (NCEPEER- 2016)
7	Flexible On-Board Stream Processing For Automotive Sensor Data with Adaptive Cruise Control	National conference on Emerging Trends in power Electronics & Power Syatem-2011

**M.SARAVANAKUMAR****Conference**

<b>S.No</b>	<b>Title</b>	<b>Details</b>
1	Hybrid –wind Driven PMSG -PV System for Grid Connected using MPPT with single DC-DC converter and Inverter.	Presented a paper in National Conference on Emerging Perceptions in Electrical, Electronics and Robotics (NCEPEER- 2016)
2	The control and Analysis of self Healing Urban Power Grid	Presented a paper in National Conference on Emerging Perceptions in Electrical, Electronics and Robotics (NCEPEER- 2016)
3	Design of New Bridgeless convertor based power factor corrections.	Presented a paper in National Conference on Emerging Perceptions in Electrical, Electronics and Robotics (NCEPEER- 2016)
4	Detection and Diagnosis of Single stuck –at faults in Exclusive –OR sum of Products Reed –Muller canonical circuits	Presented a paper in National Conference on Emerging Perceptions in Electrical, Electronics and Robotics (NCEPEER- 2016)
5	A Robust adaptive control strategy of active power filters for power factor correction, Harmonic compensation & Balancing of Non-linear loads	Presented a paper in National Conference on Emerging Perceptions in Electrical, Electronics and Robotics (NCEPEER- 2016)
6	Power Quality Improvement for Grid Connected Wind Energy System Using STATCOM	Presented a paper in National Conference on Emerging Perceptions in Electrical, Electronics and Robotics (NCEPEER- 2016)

**T.KARTHICK**

**Paper Publication (International)**

<b>S.No</b>	<b>Title</b>	<b>Period</b>	<b>Details</b>
1	Implementation of Swarm Robotics concept in the field of defense for Land Mine detection tasks	16-12-16 to 17-12-16	Fifth International Conference On Design And Applications Of Structures, Drives, Communicational and Computing Systems (ICDASDC 2016)
2	MITIGATION OF VOLTAGE SAG AND SWELL IN AN INDUCTION MOTOR FED FROM DFIG INTERCONNECTED WITH GRID	16-12-16 to 17-12-16	Fifth International Conference On Design And Applications Of Structures, Drives, Communicational And Computing Systems (ICDASDC 2016)
3	Mitigation Of Voltage Sag And Swell In An Induction Motor Fed From Dfig Interconnected With Grid	28-03-17 to 29-03-17	International Conference on Newer Engineering Concepts & Technology” (ICONNECT2K17)
4	MAXIMUM POWER POINT TRACKING USING ARTIFICIAL NEURAL NETWORK FOR DC LOADS	28-03-17 to 29-03-17	International Conference on Newer Engineering Concepts & Technology” (ICONNECT2K17)
5	Mitigation of Voltage Disturbances using Fuzzy Logic Controller in a Grid connected DFIG for Different Types of Fault	21-04-17 to 22-04-17	Two days IEEE Sponsored International Conference on Innovations in Power and Advanced Computing Technologies (i-PACT 2017)
6	Ride through of adjustable speed drives during voltage dips	27-11-15 to 28-11-15	4 <sup>th</sup> International Conference on Design and Application of Structures, Drives, Communicational and Computing Systems (ICDASDC)
7	SMART ELECTRICITY MONITORING METER WITH SECURE TRANSMISSION TO EB BY GSM/GPRS	27-11-15 to 28-11-20	4th International Conference on Design and Application of Structures, Drives, Communicational and Computing Systems (ICDASDC)
8	OPTIMAL PLACEMENT AND SIZING OF DISTRIBUTED GENERATOR IN RADIAL DISTRIBUTION SYSTEM	27-11-20 to 28-11-20	4th International Conference on Design and Application of Structures, Drives, Communicational and Computing Systems (ICDASDC)

<b>S.No</b>	<b>Title</b>	<b>Period</b>	<b>Details</b>
9	Optimal Capacitor Allocation in Distribution Systems	27-11-20 to 28-11-20	4th International Conference on Design and Application of Structures, Drives, Communicational and Computing Systems (ICDASDC)
10	Nine level Asymmetrical Cascaded Multilevel Inverter with Reduced Switch Count Employing Inverted Sine PWM Technique	27-11-20 to 28-11-20	4th International Conference on Design and Application of Structures, Drives, Communicational and Computing Systems (ICDASDC)
11	Design & Simulation of Cuk Converter for Solar Panels Using Incremental Conductance Algorithm for MPPT	27-11-20 to 28-11-20	4th International Conference on Design and Application of Structures, Drives, Communicational and Computing Systems (ICDASDC)

#### **Paper Publication (National)**

<b>S.No</b>	<b>Title</b>	<b>Period</b>	<b>Details</b>
1	A Smart Interconnection of Renewable Energy Sources to the Distribution Grid	29-12-15 to 31-12-15	National Conference on Recent Trends in Power Engineering
2	DESIGN AND IMPLEMENTATION OF MPPT CONTROLLED GRID CONNECTED PV SYSTEM WITH MULTI FUNCTIONAL SOLAR TRACING SYSTEM	08-04-15	National Conference on Recent Trends and Developments in Electrical Systems-2k15 (NCRTEs-2k15)
3	Implementation of SMES to Protect a Sensitive Load on a Polluted Distribution Network	14-03-15	National Power Engineering Conference -2k15

#### **Paper Presentation**

<b>S.No</b>	<b>Title</b>	<b>Period</b>	<b>Details</b>
1	MITIGATION OF VOLTAGE DISTURBANCES FOR RADIAL DISTRIBUTION SYSTEMS BY IMPLEMENTING UNIFIED POWER QUALITY CONDITIONING SYSTEM	27-02-15	National Conference on Power Initiatives -2k15 (NCPI-2k15)



<b>S.No</b>	<b>Title</b>	<b>Period</b>	<b>Details</b>
2	Grid Integration of Renewable Generation and using Electrical Energy Storage Devices	16-04-14	National Conference on "Power Electronics Applications to Power System
3	COMPENSATION OF PQ DISTURBANCES IN A DISTRIBUTION LINE USING UPQC WITH DG	12-12-13 to 14-12-13	THREE DAYS INTERNATIONAL CONFERENCE
4	ENERGY LOSS MINIMIZATION IN RDF USING PSO-MAPSO METHODS CONSIDERING HARMONICS	29-11-13 to 30-11-13	Two days International Conference ICDASDC-2013
5	Compensation of Power Quality Disturbances in a Distribution Line using UPQC with Distributed Generation	04-09-13	One day National Conference
6	Mitigation of Power Quality Problems during Interconnection of Renewable Energy Sources on Distribution Grid	22-03-12 to 23-03-12	National Conference
7	A Smart Interconnection of Renewable Energy Sources to the Distribution Grid	14-03-2012	National Conference

**N.M. VIJAYAKUMAR**

**National / International Conference**

<b>S.No</b>	<b>Date</b>	<b>Title of the paper</b>	<b>Name of the Conference</b>	<b>Venue</b>
1	27-02-2015	Multi Machine Transient Stability Analysis using Energy function by connecting SVC	2 <sup>nd</sup> International Conference (NCPI-2K15)	K.Ramakrishnan College of Engineering, Trichy
2	23-03-2016	A power quality improvement using PV active power filter with phase locked loop control technique	National Conference (NCEPEER'16)	K.L.N. College of Information Technology
3	27-11-2015 & 28-11-2015	Optimal Capacitor allocation in Distribution System	4 <sup>th</sup> International Conference (ICDASDC-2015)	K.L.N. College of Information Technology
4	27-11-2015 & 28-11-2015	Smart Electricity Monitoring Meter with Secure Transmission to EB by GSM/GPRS	4 <sup>th</sup> International Conference (ICDASDC-2015)	K.L.N. College of Information Technology
5	27-11-2015 & 28-11-2015	Optimal placement and sizing of Distributed Generator in Radial Distribution System	4 <sup>th</sup> International Conference (ICDASDC-2015)	K.L.N. College of Information Technology
6	29-11-2013 to 30-11-2013	ENERGY LOSS MINIMIZATION IN RDF USING PSO-MAPSO METHODS CONSIDERING HARMONICS	2 <sup>nd</sup> International Conference (ICDASDC-2013)	K.L.N. College of Information Technology