

## SSN COLLEGE OF ENGINEERING

### DEPARTMENT OF EEE

#### LIST OF INTERNATIONAL CONFERENCE PUBLICATIONS – 2018

1. M.Karthik, A.Pommannagiri (IV Year EEE student), Dr.M.Balaji ASSP/EEE, Dr.V.Kamaraj Prof/EEE, "Design of Automation in Irrigation Systems", 4th International Conference of Electrical Energy Systems, Department of EEE,SSN College of Engineering on 7.2.2018.
2. B.V.Arjun,D.Nijandhan,B.Mirudhulla, R.S.Pavethra(IV EEE Students), Dr.M.Balaji ASSP/EEE presented a paper titled "Method to Mitigate Accidents by Sensing Heart Beat Rate of a Person" 4th International Conference of Electrical Energy Systems, Department of EEE,SSN College of Engineering on 7.2.2018.
3. G. Ramya and R. Ramaprabha (ASSP/EEE), "Analysis and Determination of Switching Angles Based on Half-Height Method For Hybrid Modular Multilevel Converter For Reduced Total Harmonic Distortion", 4th International Conference of Electrical Energy Systems, Department of EEE,SSN College of Engineering on 7.2.2018.
4. Thiyagarajan V. and Somasundaram P., "Simulation of New Symmetric and Asymmetric Multilevel Inverter Topology with Reduced Number of Switches" in the 4th International Conference on Electrical Energy Systems (ICEES -2018) organized by SSN College of Engineering, Chennai. (07.02.2018 - 09.02.2018).
5. Dhivakar K. and Thiyagarajan V., "Simulation Analysis of New Multilevel Inverter with Reduced Number of Switches" in the 4th International Conference on Electrical Energy Systems (ICEES -2018) organized by SSN College of Engineering, Chennai. (07.02.2018 - 09.02.2018).
6. T. Kripalakshmi (PG II Year Student), R. Ramaprabha (ASSP/EEE), "Effect of Coupled Inductor on Wireless Power Transmission for Electric Vehicle Charging", 4th International Conference of Electrical Energy Systems, Department of EEE,SSN College of Engineering on 7.2.2018.
7. U. Kavitha (PG II Year Student), R. Ramaprabha (ASSP./EEE), S. Malathy (Asso. Prof./EEE), "Switched Capacitor Based Power Conversion for Photovoltaic System", 4th International Conference of Electrical Energy Systems, Department of EEE,SSN College of Engineering on 7.2.2018.
8. M. Suvetha (PG II Year Student) and R. Ramaprabha (ASSP/EEE), "Transformerless Inverter using Charge Pump Circuit for Photovoltaic Application", 4th International Conference of Electrical Energy Systems, Department of EEE,SSN College of Engineering on 7.2.2018.
9. Thiyagarajan V. and Somasundaram P., "Simulation Analysis of New Seven Level Symmetrical Inverter with Reduced Switch Count" in the International Conference for Phoenixes on Emerging Current Trends in Engineering And Management (PECTEAM 2K18) organized Panimalar Engineering College, Poonamallee, Chennai. (10.02.2018) BEST PAPER AWARD.

10. A. N. Arvindan and S. P. Vela, "Investigation for Improved Power Quality in Hysteresis Current Controlled Three-Phase Four-Wire Vienna Rectifier Topologies" in Proc. of the 4th International Conference on Electrical Energy Systems, organized by EEE Department, SSN College of Engineering, Anna University, IEEE-ICEES'2018, pp. 485-493, held in February, 7 - 9, 2018, at Chennai, India.
11. A. N. Arvindan, Ashwin. R and KuberaMurthi. M, "Multipulse Diode Rectifiers: Power Quality Perspective Based On Experimental Data" presented at the 8th IEEE India International Conference on Power Electronics, IEEE-IICPE-2018, organized under the aegis of the Delhi Chapters of IEEE PES-IAS and IEEE PELS-IES at Malaviya National Institute of Technology (MNIT), Jaipur, held in December 13-15, 2018
12. I.Keerthana(II M.E PED Student), S.Gowtham(Research Scholar), Dr.M.Balaji ASSP/EEE, " Performance Analysis and Fault Diagnosis of BLDC Motor Drive with Defective Hall Sensors", International Conference on Contemporary topics in Electrical and Electronics Engineering organised by Karpagam College of Engineering,Coimbatore on 27.2.2018.
13. Thiyagarajan V. and Somasundaram P., "New inverter topology with reduced switch count" in the International Conference On Electrical, Electronics, Computers, Communication, Mechanical And Computing (EECCMC 2018) organized by Priyadarshini Engineering College, Vellore. (28.01.2018 & 29.01.2018).
14. Thiyagarajan V. and Somasundaram P., "Simulation and Analysis of Novel Extendable Multilevel Inverter Topology" in the International Conference on Contemporary Topics in Electrical and Electronics Engineering (ICCTEEE' 2018) organized by Karpagam College of Engineering, Coimbatore. (27.02.2018 & 28.02.2018).
15. L. Deepak, R. R. HariPrasath, M. Jagadeeshvar (III Year B.E. Students), "Automated Closed Loop Insulin Infusion Pump", National level student technical symposium (Spangles) at SRM Esawari Engineering College, Chennai under the guidance of Dr. R. Ramaprabha& Dr. M. Balaji (ASSPs/EEE). They won the First prize (Cash award of Rs. 1000/- & Intern offer in trios tech) on 22.02.2018
16. L. Deepak, R. R. HariPrasath and M. Jagadeeshvar (III Year B.E. Students), "Automated Closed Loop Insulin Infusion Pump", National level student technical symposium (Elentrus 2K18) at Panimalar Engineering College, Chennai under the guidance of Dr. R. Ramaprabha& Dr. M. Balaji (ASSPs/EEE). They won the First prize (Cash award of Rs. 2000/-) on 28.02.2018.
17. S. Dhilip, M. Bharath Reddy and G. Guru Naresh (III Year B.E. Students), "Y-Source Inverter", National level student technical symposium (Elentrus 2K18) at Panimalar Engineering College, Chennai under the guidance of Dr. R. Ramaprabha (ASSP/EEE). They won the Third prize (Cash award of Rs. 500/-) on 28.02.2018.
18. Dr.R.Seyezhai, ASSP/EEE, Ms.A.InbaRexy (part-time research scholar), " Interleaved boost AC-DC Converter for PFC", International conference on computing communication and drastic innovations in energy thrive- university college of engineering, Panruti, 1st, March 2018.

19. Ms. AlaguDheeraj AP\EEE, Dr. V Rajini Prof/ EEE, “Evaluation of Energy Factor Parameters for Isolated Active Clamp Forward Converter”The International Conference on Advances in Science Engineering and Technology (ICCET 2018), Prince ShriVenkateshwaraPadmavathy Engineering College, Chennai,India on 10.3.2018.
20. Dr.R.Seyezhai, ASSP/EEE &Ms.Kavitha, Ms.Aishwarya&Kaviya( IV YR EEE, A) presented a paper titled, “Hardware Impleemntation and Comparison of performance parameters for Bridged and Bridgeelss Interleaved Boost Converter” in the Second International Conference on Power Electronics & Renewable Energy Systems (ICPERES – 2018) to be held on APRIL 4-5, 2018 organised by Department of Electrical and Electronics Engineering, Rajalakshmi Engineering College, Chennai 602 105, India.
21. Dr.R.Seyezhai, ASSP/EEE presented a paper titled, “Design and Development ofhigh voltage power converter for X-ray power generators” in the Second International Conference on Power Electronics & Renewable Energy Systems (ICPERES – 2018) to be held on APRIL 4-5, 2018 organised by Department of Electrical and Electronics Engineering, Rajalakshmi Engineering College, Chennai 602 105, India.
22. Dr.R.Seyezhai, ASSP/EEE &Ms.Felshiya ( II Yr.M.E., PED) presented a paper titled, “Analysis and assessment of DC-DC converter topologies for PV Applications” in the Second International Conference on Power Electronics & Renewable Energy Systems (ICPERES – 2018) to be held on APRIL 4-5, 2018 organised by Department of Electrical and Electronics Engineering, Rajalakshmi Engineering College, Chennai 602 105, India.
23. Dr.R.Seyezhai, ASSP/EEE &Ms.S.Harika ( passed out PG Student) presented a paper titled, “Simulation and Impleemntation of High Gain DC-DC Converter for PV Applications” in the Second International Conference on Power Electronics & Renewable Energy Systems (ICPERES – 2018) to be held on APRIL 4-5, 2018 organised by Department of Electrical and Electronics Engineering, Rajalakshmi Engineering College, Chennai 602 105, India.
24. Dr.R.Seyezhai, ASSP/EEE &Ms.Devi ( II Yr.M.E., PED) presented a paper titled, “Simulation and Analysis of Modulation Strategies for PV based T-type Inverter” in the Second International Conference on Power Electronics & Renewable Energy Systems (ICPERES – 2018) to be held on APRIL 4-5, 2018 organised by Department of Electrical and Electronics Engineering, Rajalakshmi Engineering College, Chennai 602 105, India.
25. Dr.R.Seyezhai, ASSP/EEE &Ms.MinuAishwarya ( II Yr.M.E., PED) presented a paper titled, “Theoretical and Experimental Investigation of Modulation strategies for cascaded Multilevel Inverter” in the Second International Conference on Power Electronics & Renewable Energy Systems (ICPERES – 2018) to be held on APRIL 4-5, 2018 organised by Department of Electrical and Electronics Engineering, Rajalakshmi Engineering College, Chennai 602 105, India.
26. Thiyagarajan V., “A New Symmetric Multilevel Inverter Topology with Reduced Number of Switches” in the International Conference on Innovations & Discoveries in Science, Engineering and Technology (ICIDSET-2018) organized by KCG College of Technology, Chennai. (17.04.2018 & 18.04.2018)

27. R. Ramaprabha (Asso.Prof./EEE), M. Bharath Reddy, G. Guru Naresh and M. Jagadeeshvar (III Year UG Students/EEE), "Modelling and Simulation of Y-Source Inverter for Photovoltaic Interface", presented paper in an International Conference on Power Electronics and Renewable Energy Systems (ICPERES 2018) held during April 4-5, 2018 at Rajalakshmi Engineering College, Chennai.
28. R. Ramaprabha (Asso.Prof./EEE), L. Deepak, R. R. HariPrasath and S. Dhilip ((III Year UG Students/EEE), "Online Photovoltaic Curve Tracer using SEPIC DC-DC Converter", presented paper in an International Conference on Power Electronics and Renewable Energy Systems (ICPERES 2018) held during April 4-5, 2018 at Rajalakshmi Engineering College, Chennai.
29. Dr.R.Seyezhai, ASSP/EEE & Ms.D.Umarani, AP/EEE presented a paper titled, "Rectified Inverted Sine carrier Hybrid Pulse Width Modulation for Quasi Z-Source Inverter" in the International Conference on Recent Advancements in Electrical, Electronics and Control Engineering IConRAEeCE'18 held at MEPCO Engineering College, Sivakasi on 4.5.2018.
30. Dr.R.Seyezhai, ASSP/EEE, Dr.A.Jawahar, Prof/ECE & Ms.S.Harika (Full-time research scholar) presented a paper titled, "Review of Unidirectional AC-DC Converter Topologies For Level-1 Charging of Electric Vehicles" in the International Conference on Recent Advancements in Electrical, Electronics and Control Engineering IConRAEeCE'18 held at MEPCO Engineering College, Sivakasi on 4.5.2018.
31. Dr.R.Seyezhai, ASSP/EEE, & Mr.A.BharathiSankar presented a paper titled, "Comparative Analysis of Maximum Power Point Tracking Algorithms for Photovoltaic Application" in the International Conference on Recent Advancements in Electrical, Electronics and control Engineering IConRAEeCE'18 held at MEPCO Engineering College, Sivakasi on 4.5.2018.
32. Dr.R.Seyezhai, ASSP/EEE and Saradha Devi R, Mrudhulaa P V, Priyadharshini K, MrudulaVempati( IV Year EEE Students) presented a paper titled, "Development of solar DC home system using modified Luo converter", in the International Conference on Waste, Energy and Environment (ICWEE-2018) organized by Centre for Waste Management and Centre of Excellence for Energy Research, Sathyabama Institute of Science and Technology, Chennai during 5.9.18 to 7.9.18.
33. J AnithaRoseline ASSP/EEE Presented paper titled 'Error Procreation Algorithm applied for Multilevel inverters' in the IEEE Region 10 (Asia – Pacific) Conference, TENCON 2018, at Ramada Plaza Hotel, Jeju, Korea on 28-31 October 2018.
34. J AnithaRoseline ASSP/EEE Presented paper titled 'Generalized Modulation Techniques for current source converters' in the IEEE Region 10 (Asia – Pacific) Conference, TENCON 2018, at Ramada Plaza Hotel, Jeju, Korea on 28-31 October 2018.
35. Dr.R.Seyezhai/ASSP/EEE, Ms.D.Umarani/AP/EEE and A.D.Minuashwarya have presented a paper entitled "Simulation and analysis of a novel hybrid multilevel inverter for PV applications" in the International conference on Advances and challenges for sustainable ecosystem (ICACSE-2018) at NIT, Trichy during 6/12/18 to 8/12/18
36. Ms. K. Thendral /PG student, Ms.D.Umarani/AP/EEE and Dr.R.Seyezhai/ASSP/EEE have presented a paper entitled "Investigation of Modified Boost Converter with Improved Voltage Gain for Automotive Audio Amplifiers" in the International conference on Mathematical

Methods, Modeling and Simulation in Chemical Sciences (ICMMSC 2018) at SSNCE, Chennai. 6/12/18-8/12/18.

37. T. Divya, Full-time Research scholar/EEE and Dr. R. Ramaprabha, ASSP/EEE, presented a paper titled "Mathematical Modelling of Embedded Switched Inductor Z-Source Inverter for Photovoltaic Energy Conversion", presented paper in an International Conference on Mathematical Methods, Modeling and Simulation in Chemical Sciences (ICMMSC 2018) held during Dec 06-08, 2018 at Department of Chemical Engineering, SSN College of Engineering, Chennai.
38. Anjana Ethirajan, PG student/EEE and Dr. R. Ramaprabha, ASSP/EEE, "Mathematical Modelling of Buck Converter with Relay Feedback", presented paper in an International Conference on Mathematical Methods, Modeling and Simulation in Chemical Sciences (ICMMSC 2018) held during Dec 06-08, 2018 at Department of Chemical Engineering, SSN College of Engineering, Chennai.
39. Dr. R. Seyezhai/ASSP/EEE and Ms. D. Umarani/AP/EEE presented a paper entitled "Investigation of reliability aspects of photovoltaic quasi z-source inverter" in the International conference on Power Electronic Drives and Energy Systems (PEDES 2018) at IITM, Chennai during 18/12/2018 - 21/12/18.
40. S. Devividhya (Full Time Research Scholar) and M. Balaji ASSP/EEE presented a paper titled "Fuzzy Controlled Dual-Input DC/DC Converter for Electric Vehicle Applications " in Conclave on "Materials & Technologies in Energy Conversion & Storage" at IIITDM, Kancheepuram on 28.12.18.
41. S. Saranya (Full Time Research Scholar) and M. Balaji ASSP/EEE presented a paper titled "Performance Analysis of Permanent Magnet Assisted Switched Reluctance Motor " in Conclave on "Materials & Technologies in Energy Conversion & Storage" at IIITDM, Kancheepuram on 28.12.18.
42. Dr. Nagarajan V S, Dr. Kamaraj V, "Quality Assurance in Engineering Education, Research through best Practices", in National Conference of 47th ISTE Annual Convention, Saintgits College of Engineering, Kottayam, January, 2018.
43. V. S. Nagarajan, V. Kamaraj, M. Balaji, R. Arumugam, N. Ganesh, R. Rashmi, S. Sivaramakrishnan, R. Rahul, "Synchronous Reluctance Motor Development, Modeling, Optimization, and Analysis – A Review", 4th International conference on Electrical Energy Systems, SSN college of Engineering, Chennai, February, 2018.
44. V. S. Nagarajan, V. Kamaraj, .Srinath, K. Subash, S. Sanjay, S. Prithivirajan and R. Raghu, "optimal design and multiphysics analysis of synrel and ferrite assisted Synrel motor for traction applications", in Materials & Technologies in Energy Conversion & Storage (MTECS 2018) e – Vehicle conclave during 28,29 December 2018 at Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram.