Dr. R. Sridhar

Associate Professor - Electrical and Electronics Engineering,

SRM Institute of Science and Technology, Kattankulathur–603203.

Areas of Specialisation: Power Electronics, Renewable Energy Resources

Ph No:9841752907

Mail id: sridhar.r@ktr.srmuniv.ac.in

 A review on control of ac microgrid, KS Rajesh, SS Dash, Ragam Rajagopal, R Sridhar, 2017, Renewable and sustainable energy reviews, Volume 71, Pages 814-819, Publisher Pergamon.

- 2. A new maximum power tracking in PV system during partially shaded conditions based on shuffled frog leap algorithm, R Sridhar, S Jeevananthan, Subhransu Sekhar Dash, Pradeep Vishnuram, 2017, Journal of Experimental & Theoretical Artificial Intelligence, Volume 29, Issue 3, Pages 481-493, Publisher Taylor & Francis.
- 3. Nature-inspired MPPT algorithms for partially shaded PV systems: A comparative study, Somashree Pathy, C Subramani, R Sridhar, Thamizh Thentral, Sanjeevikumar Padmanaban, 2019, Energies, Volume 12, Issue 8, Pages 1451, Publisher Multidisciplinary Digital Publishing Institute
- 4. Performance analysis of a stand alone PV system with reduced switch cascaded multilevel inverter, R Sridhar, Snehamoy Dhar, Subhranshu Sekhar Dash, 2015, International Journal of Power and Energy Conversion, Volume 6, Issue 2, Pages 107-127, Inderscience Publishers (IEL)
- 5. A modified module integrated—Interleaved boost converter for standalone photovoltaic (PV) application, Somashree Pathy, R Sridhar, Nikita Hari, Subhranshu Sekhar Dash, C Subramani, 2016, IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Pages 989-994, Publisher IEEE.
- 6. Implementation of an adaptive control strategy for solar photo voltaic generators in microgrlds with MPPT and energy storage, KS Rajesh, SS Dash, R Sridhar, Ragam Rajagopal, 2016, IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Pages 766-771, Publisher IEEE.
- 7. Topology maps and distance-free localization from partial virtual coordinates for IoT networks, Anura P Jayasumana, Randy Paffenroth, Sridhar Ramasamy, 2016, IEEE International Conference on Communications 2016 (ICC), Pages 1-6, Publisher IEEE.
- 8. Fuzzy logic as a tool for evaluation of performance appraisal of faculty in higher education institutions, Mamatha Guruprasad, R Sridhar, S Balasubramanian, 2016, SHS web of conferences, Volume 26, Pages 01121, Publisher EDP Sciences.
- 9. Investigation on a modified 11-level cascaded inverter fed by photovoltaic array for standalone applications, R Sridhar, S Jeevananthan, SS Dash, Kiran Vemula, 2015, Journal of Solar Energy Engineering, Volume 137, Issue 2, Publisher American Society of Mechanical Engineers Digital Collection.
- 10. Network topology mapping from partial virtual coordinates and graph geodesics, Anura P Jayasumana, Randy Paffenroth, Gunjan Mahindre, Sridhar Ramasamy, Kelum Gajamannage, 2019, IEEE/ACM Transactions on Networking, Volume 27, Issue 6, Pages 2405-2417, Publisher IEEE.
- 11. A dodging algorithm to reconfigure photovoltaic array to negate partial shading effect, Sridhar Ramasamy, Jeevananthan Seenithangam, Subhransu Sekhar Dash, Krishna Chaitanya, 2016, Progress in Photovoltaics: Research and Applications, Volume 24, Issue 2, Pages 200-210.

- 12. Fuzzy logic-based pulse density modulation scheme for mitigating uncertainties in AC–AC resonant converter aided induction heating system, Pradeep Vishnuram, Sridhar Ramasamy, 2019, Journal of Circuits, Systems and Computers, Volume 8, Issue 02, Pages 1950030, Publisher World Scientific Publishing Company
- 13. A proportional resonant controller for suppressing resonance in grid tied multilevel inverter, Hemakesavulu Oruganti, Subranshu Sekhar Dash, Chellammal Nallaperumal, Sridhar Ramasamy, 2018, Energies, Volume 11, Issue 5, Pages 1024, Publisher Multidisciplinary Digital Publishing Institute.
- 14. Photo Voltaic (PV) fed Three Phase Induction Motor Drive for Rural Pumping Applications based on Single Stage Power Conversion, R Sridhar, KC Jayasankar, DVS Aditya, G Vinod Kumar, 2015, International Journal of Control and Automation, Volume 8, Issue 5, Pages 135-142.
- 15. Investigation on modular flyback converters using PI and fuzzy logic controllers, V Jaikrishna, Subranhsu Sekhar Dash, Linss T Alex, R Sridhar, 2019, International Journal of Ambient Energy, Volume 40, Issue 1, Pages 12-20, Publisher Taylor & Francis.
- 16. A simple digital control for mitigating voltage stress on single switch resonant inverter for induction cooking applications, Pradeep Vishnuram, Sridhar Ramasamy, P Suresh, A Sureshkumar, 2020, International Journal of Electronics Letters, Volume 8, Issue 2, Pages 162-169, Publisher Taylor & Francis.
- 17. A novel power control technique for series resonant inverter-fed induction heating system with fuzzy-aided digital pulse density modulation scheme, Pradeep Vishnuram, Gunabalan Ramachandiran, Sridhar Ramasamy, 2018, International Journal of Fuzzy Systems, Volume 20, Issue 4, Pages 1115-1129, Springer Berlin Heidelberg.
- 18. A novel high-gain DC–DC converter with non-linear carrier controller for photovoltaic applications, L Pattathurani, Shubhransu Sekhar Dash, Pradeep Vishnuram, R Sridhar, 2019, The International Journal of Electrical Engineering & Education, Pages 0020720919825809, Publisher SAGE Publications.
- 19. Fuzzy controller-aided input series output series (ISOS) modular converters for photovoltaic applications, Linss T Alex, Subranshu Sekhar Dash, R Sridhar, 2018, International Journal of Fuzzy Systems, Volume 20, Issue 8, Pages 2566-2576, Publisher Springer Berlin Heidelberg.
- 20. Design and analysis of Push-pull-Flyback interleaved converters for photovoltaic system, Linss T Alex, V Jaikrishna, Subranhsu Sekhar Dash, R Sridhar, 2017, IEEE 6th International Conference on Renewable Energy Research and Applications 2017 (ICRERA), Pages 757-761, Publisher IEEE.
- 21. Particle swarm optimisation maximum power-tracking approach based on irradiation and temperature measurements for a partially shaded photovoltaic system, R Sridhar, S Jeevananthan, Pradeep Vishnuram, 2017, International Journal of Ambient Energy, Volume 38, Issue 7, Pages 685-693, Publisher Taylor & Francis.
- 22. Investigations on Multidimensional Maximum Power Point Tracking in Partially Shaded Photovoltaic Arrays with PSO and DE Algorithms, R Sridhar, S Jeevananthan, B Sai Pranahita, 2016, Book-Artificial Intelligence and Evolutionary Computations in Engineering Systems, Pages 1113-1125, Publisher Springer, New Delhi.
- 23. Phase-Locked Loop-Based Asymmetric Voltage Cancellation for the Power Control in Dual Half-Bridge Series Resonant Inverter Sharing Common Capacitor for Induction Heating, Pradeep Vishnuram, Sridhar Ramasamy, P Suresh, A Sureshkumar, 2019, Journal of Control, Automation and Electrical Systems, Volume 30, Issue 6, Pages 1094-1106, Publisher Springer US.

- 24. Measuring Students' Scientific Attitude, Aptitude And Knowledge At The Secondary School Level: What Intended To Study And Why, P Pandiavadivu, R Sridhar, 2016, Volume 4, Issue 2, Pages 13-12, Publisher CONFLUX.
- 25. Construction and Standardization of Scientific Aptitude Test (SAT) for Secondary School Students-A Pilot Study, P PandiaVadivu, R Sridhar, B Mohan Kumar, 2016, International Journal of Social Sciences and Management, Volume 3, Issue 1, Pages 17-21.
- 26. Analytical and Simulation Analysis of Stator Tooth on Cogging Torque of Brushless DC Motor Using Finite Element Analysis, M Arun Noyal Doss, V Ganapathy, R Sridhar, SS Dash, D Mahesh, 2015, Book-Power Electronics and Renewable Energy Systems, Pages 1-8, Publisher Springer, New Delhi.
- 27. A comprehensive overview of power converter topologies for induction heating applications, Pradeep Vishnuram, Gunabalan Ramachandiran, Sridhar Ramasamy, Suchitra Dayalan, 2020, International Transactions on Electrical Energy Systems, Volume 30, Issue 10, Pages e12554.
- 28. Fuzzy Logic based AC-AC Matrix Converter for Induction Heating Applications, Pradeep Vishnuram, Aparajit Vasudevan, Anirudh Dev, Vishwanath Raj, Sridhar Ramasamy, 2020, Solid State Technology, Volume 63, Issue 3, Pages 1047-1056.
- 29. Coupled-Inductor L-Source Inverter, PU Poornima, R Sridhar, R Brindha, 2020, Journal Solid State Technology, Volume 63, Issue 3, Pages 1153-1161.
- 30. A Simple and Portable Electronic Load Aided Photovoltaic Characteristic Curves Plotter (PVCCP), Sridhar Ramasamy, S George Fernandez, A Viswesh Iyer, Shantanu Pandey, Anirudh Nair, 2020, Journal Solid State Technology, Volume 63, Issue 3, Pages 1564-1571.
- 31. A New Battery Backup System for Household Tube Lights, R Sridhar, D Sattianadan, Amritash Shekhar, Swagata Dutta, Abhijeet Sharma, 2020, Journal Solid State Technology, Volume 63, Issue 3, Pages 737-743.
- 32. IoT Based Induction Heation for Medical Application, Pradeep Vishnuram, M Arun Noyal Doss, A Sureshkumar, P Suresh, Sridhar Ramasamy, 2020/3/31, Journal Solid State Technology, Volume 63, Issue 3, Pages 1355-1362.
- 33. Field Oriented Control of Brushless DC (BLDC) Motor for Electric Vehicle (EV) Applications, Sridhar Ramasamy, Pradeep Vishnuram, Dheeraj Tiwari, Preeti Kumari Pandey, Raja Chetri, 2020/3/31, Journal Solid State Technology, Volume 63, Issue 3, Pages 1572-1582.
- 34. Compact and Economic Gesture Based Mouse Control For Human Computer Interface, Sridhar Ramasamy, Mahesh Padmanabh, 2020, Journal Mechatron. Syst. Control, Volume 48, Issue 1.
- 35. Efficient Single Stage Photovoltaic Pumping System Using BLDC Motor With Grid Power Export, R Sridhar, Pradeep Vishnuram, D Sattianadan, 2019, Journal of Solar Energy Engineering, Volume 141, Issue 5, Publisher American Society of Mechanical Engineers Digital Collection.
- 36. An ingenious invasive weed optimization (IWO) aided maximum power tracking for partially shaded photovoltaic array, R Sridhar, CS Boopathi, Sakshi Agrawal Deepanjali Das, 2019, Indonesian Journal of Electrical Engineering and Computer Science, Volume 15, Issue 2, Pages 543-553.
- 37. An ingenious invasive weed optimization (IWO) aided maximum power tracking for partially shaded photovoltaic array, R Sridhar, CS Boopathi, Sakshi Agrawal Deepanjali Das, 2019, Indonesian Journal of Electrical Engineering and Computer Science, Volume 15, Issue 2, Pages 543-553.

- 38. Performance Analysis of Modular Forward Converter in Input Parallel Output Series (IPOS) Architecture Using PI and Fuzzy Logic Controller, Linss T Alex, Subranshu Sekhar Dash, R Sridhar, 2019, International Journal of Fuzzy Systems, Volume 21, Issue 5, Pages 1524-1532, Publisher Springer Berlin Heidelberg.
- 39. Control schemes for micro-grid application—A simulation and experimental approach for Electrical Engineering Project, Somashree Pathy, C Subramani, R Sridhar, 2019, The International Journal of Electrical Engineering & Education, Pages 0020720918825240, Publisher SAGE Publications.
- 40. Ingenious vehicular system to evade collisions, R Sridhar, Aditya Nema, Ankur Rai Anshul Nalin, 2018, International Journal of Engineering & Technology, Volume 7, Issue 1.2, Pages 53-57.
- 41. Single Stage Voltage Regulation and Power Factor Correction with Boost Pre Regulator, A Sureshkumar, Pradeep Vishnuram, Sridhar Ramasamy, P Suresh, 2018, International Journal of Pure and Applied Mathematics, Volume 118, Issue 19, Pages 2727-2742.
- 42. Capture and reconstruction of the topology of undirected graphs from partial coordinates: a matrix completion based approach, Sridhar Ramasamy, 2017, Journal 2000-2019-CSU Theses and Dissertations, Publisher Colorado State University. Libraries
- 43. Computer Aided Modelling and Static Analysis of an Inspection Robot, G Shanmugasundar, R Sivaramakrishnan, R Sridhar, M Rajmohan, 2015, Applied Mechanics and Materials, Volume 766, Pages 1055-1060, Publisher Trans Tech Publications Ltd.