Members from other University/Institutions
Member - 6

Name with Address	**Area of Specialization**
Name : Dr.K.Chandrasekaran Designation : Assistant Professor Department : Electrical and Electronics Engineering Organization/Institution : National Institute of Technology Office Address : National Institute of Technology Puducherry, Karaikal-609 605 Pin code &Country : 609 605& India Mobile & E-Mail : 9980861389 & chandrasekaran@nitpy.ac.in	Power Systems reliability and Planning. Alternative Energy resources in smart grid environment. No.of Publications : 20

List of Publications

1. Sankar Selvakumar, Mohanty Madhusmita, Chandrasekaran Koodalsamy , Sishaj Pulikottil Simon, and Yog Raj Sood, "High-Speed Maximum Power Point Tracking Module for PV Systems", IEEE Transaction on Industrial Electronics, Vol. 66 , No. 2, 2019, pp. 1119-1129.
2. K. Chandrasekaran, Sankar Selvakumar, K. Banumalar, "Partial Shading Detection for PV Arrays in a Maximum Power Tracking System using the Sine-Cosine Algorithm", Energy for Sustainable Development, Elsevier, Vol. 55, 2020, pp. 105-121.
3. Mohanty Madhusmita, Sankar Selvakumar, Chandrasekaran Koodalsamy , Sishaj Pulikottil Simon, "Global Maximum Operating Point Tracking for PV System using Fast Convergence Firefly Algorithm", Turkish Journal of Electrical Engineering & Computer Sciences, Vol. 27, 2019, pp. 4640-4658.
4. K. Chandrasekaran, "Improved Sine Cosine Algorithm For Solving Dynamic Economic Dispatch Problem", International Journal of Engineering and Advanced Technology, Volume-8 Issue-3, February 2019, pp. 314-321.
5. S. Sankar and K. Chandrasekaran, “Master Slave Topology for Parallel Operation of Renewable Energy Based Distributed Generator”, International Journal of Recent Technology and Engineering (IJRTE), Volume-9 Issue-1, May 2020.
6. K. Chandrasekaran and Sishaj P Simon, "Wind-Thermal Integrated Power System Scheduling Problem Using Cuckoo Search Algorithm", International Journal of Operations Research and Information Systems, IGI Publishing, USA, Vol. 5 No. 3, pp-81-109, 2014.

7. K. Chandrasekaran, Sishaj P Simon and N.P. Padhy, "SCUC problem for solar/thermal power system addressing smart grid issues using FF algorithm", Electrical Power and Energy Systems, Elsevier publications, Vol. 62, pp. 450-460, 2014.
8. K. Chandrasekaran, Sishaj P Simon and N.P. Padhy, "Multi-objective REED problem based on minimum deviation index using Cuckoo search algorithm", International Journal of Engineering, Science and Technology, Vol. 6, No. 2, pp. 89-100, 2014.
9. Aruljeyaraj K, Rajasekaran V, Nandha kumar K, Chandrasekaran K, "A Multi-objective PMU Placement Method Considering Observability and Measurement Redundancy using ABC Algorithm", Advances in Electrical and Computer Engineering Vol. 14, No. 2, pp.117-128, 2014.
10. K. Chandrasekaran, Sishaj P Simon and N.P. Padhy, "Cuckoo Search Algorithm for Emission Reliable Economic Multi Objective Dispatch Problem", IETE journal of Review, Taylor and Francis Publication, Vol. 60, no. 2, pp. 128-138, 2014.
11. Aruljeyaraj K, Rajasekaran V, Nandha kumar K, Chandrasekaran K, "A Multi-objective Placement of Phasor Measurement Units Considering Observability and Measurement Redundancy using Firefly Algorithm", Journal of Electrical Engineering & Technology, Vol. 10, no. 2, pp. 474-486, 2015.
12. Aruljeyaraj K, Rajasekaran V, Nandha kumar K, Chandrasekaran K, "A multi-objective placement of phasor measurement units using fuzzified artificial bee colony algorithm, considering system observability and voltage stability", Journal of Experimental & Theoretical Artificial Intelligence, Taylor and Francis, Vol. 28 ,no. 1-2, 113-136, 2016.
13. K. Banumalar, B.V. Manikandan, Pranjal Pragya Verma, K. Chandrasekaran, "Novel Optimal Dispatch Method to Hybrid Power System Suitable for Competitive Power Market", Australian Journal of Basic and Applied Sciences, 9(16), Pages: 28-35, 2015.
14. K. Banumalar, B.V. Manikandan, K. Chandrasekaran and S.P. Simon, "Firefly Algorithm with Multiple Workers Environment for Power System Unit Commitment Problem", Turkish Journal of Electrical Engineering & Computer Sciences, Published by The Scientific and Technological Research Council of Turke, Vol. 24, 4773 - 4789, 2016.
15. Sreejith. S, V. Indragandhi, K. Chandrasekaran, A. Venkadesan and C.S. Boopathi, "Analysis of PV Based Energy Generation System Using Cascaded Multi-level Z-Source Inverter", International Journal of Control Theory and Applications, Vol. 9, no. 37, pp. 837-843, 2016.

16. A. Venkadesan, K. Sedhu Raman, K. Chandrasekaran and C. S. Boopathi, "Artificial Neural Network based Harmonics Estimator for a Power Electronics Converter", Indian Journal of Science and Technology, Vol 9, no. 42, pp. 1-5, 2016.
17. C. Jeyanthi, HH Sait, K. Chandrasekaran and CC. Columbus, "Optimal Placement of Cellular Transceiver for Transmission Line Monitoring Using Genetic Algorithm", Asian Journal of Research in Social Sciences and Humanities, Vol. 7, no. 1, pp. 653-672, 2016.
18. K.Banumalar, B.V.Manikandan, Chandrasekaran K, "Reliability And Security Constrained Unit Commitment Problem For Hybrid Power System Using Bi-Level Optimization Technique", Pakistan Journal of Biotechnology, Vol. 13, pp. 58-64, 2016.
19. K.Banumalar, B.V.Manikandan, Chandrasekaran K, "Security Constrained Unit Commitment Problem Employing Artificial Computational Intelligence for Wind-Thermal Power System", Advances in Intelligent Systems and Computing, vol. 412, pp. 261-275, 2015.
20. K. Chandrasekaran, Mohanty Madhusmita, Mallikarjuna Golla, A. Venkadesan, Sishaj Pulikottil SimonMohanty, "Dynamic MPPT Controller using Cascade Neural Network for a Wind Power Conversion System with Energy Management" IETE Journal of Research, Taylor and Francis,(Accepted for publication).