



Dr K.Suneeta

Designation: Associate Professor **Qualification:** Ph.D

Specialization: Power Systems

Date of Birth: 06-03-1974

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Contact No: 9704370603

- Teaching: 12 Years
- Research: 10 Years
- Industry: Nil
- Others: Nil

Research Interests: Deregulation, Smart-Grids and Micro-Grids.

Research Publications:

1. Dr. K.Suneeta," Analysis and Design of Permanent Magnet Synchronous Motor (PMSM) Control with Advance Vector Control Technique" International Journal of Scientific Engineering and Technology Research, Volume No. 7, Special Issue No. 2, February 2018.
2. Dr. K.Suneeta," MAMDANI Rule Based FLC for PQ problem with eight switch power conditioner for current harmonic compensation and voltage sag mitigation" International Journal Engineering Science and Computing, Volume 6 Issue No. 11, November 2016.
3. Dr. K.Suneeta," A UPQC with MLI topology at a reduced DC-link voltage rating" International Journal of scientific Engineering and Technology Research, December 2015.
4. Dr. K.Suneeta," Enhancement of power transmission capability of HVDC system by replacing series connection of UPFC with TCSC" International Journal of Scientific Engineering and Technology Research, December 2015.
5. Dr. K.Suneeta," Design and implementation of 7-Level single stack half bridge inverter using MMC topology" International Journal of Scientific Engineering and Technology Research, December 2015.
6. Dr. K.Suneeta, "Comparison of Different Control Strategies of STATCOM for Power Quality Improvement of Grid Connected Wind Energy System" International Journal Engineering Research Technology, and ISSN: 2319- 885, vol.04, issue.07, pages: 1341-1345, March 2015.
7. Dr. K.Suneeta, "Simulation of the hysteresis voltage control technique in the PV Based dynamic voltage restorer for power quality improvement with induction motor drive" International Journal of Electrical and Electronics Engineering Research, ISSN (P): 2250-155X, ISSN (E): 2278-943X, vol.05, issue.01, pages 95-106, February 2015.
8. Dr. K. Sunitha," Superconducting Fault Current Limiters for Micro Grid Application", International Journal of Power System Operation and Energy Management, ISSN (p):2231-4407, vol.04, issue.03, December 2014.
9. Dr. K. Sunitha," Superconducting Fault Current Limiters for Micro Grid Application", National conference at Kondaghattu JNTU, August 2014.
10. K. Suneeta," Evaluating Market Power in Congested Power System in Real Time System of Andhra Pradesh State Power Grid", International Journal of Electronics and Electrical Engineering, vol.03, no.1, pages: 27-36, ISSN 0976-7363, June 2012.
11. K. Suneeta," Random Zero Vector Distribution PWM Algorithm For Direct Torque Control Of Induction Motor Drive", International Journal Of Electronics And Electrical Engineering, VOL.05, NO.03, Special Issue 2012.
12. K. Suneeta," Enhancement Of Available Transfer Capability In Deregulated Power Systems Using Facts Devices In Real Time System Of Andhra Pradesh State Power Grid", *International Journal Of Electronics And Electrical Engineering*, Vol.03, No.1, Pages 53-60, ISSN 09762-7363, June 2012.
13. K. Suneeta," Evaluating Market Power In Congested Power Systems In Real Time System Of Andhra Pradesh State Power Grid", International Conference On Advances In Power Conversion And Energy Technologies (ICAPCET), August 2012.
14. K. Suneeta," Enhancement Of Available Transfer Capability In Deregulated Power Systems Using FACTS Devices In Real Time System Of Andhra Pradesh State Power Grid", International Journal Of Electronics And Electrical Engineering, Special Issue 2012.

15. K. Suneeta," Market Power Evaluation in Real Time Congested Power Systems Of Andhra Pradesh State Power Grid", International Journal Of Electronics And Electrical Engineering, Vol. 5, No. 9 Special Issue 2012.
16. K. Suneeta," Enhancement Of Available Transfer Capability In Deregulated Power Systems Using FACTS Devices", International Journal Of Applied Engineering Research, November 2012.
17. K. Suneeta," Direct Torque Controlled Induction Motor Drive with Space Vector Modulation Fed with A Three Level Inverter", IEEE International Conference on Power Electronics, Drives and Energy, December 2012.
18. K. Suneeta," Market Power Evaluation in Real Time Congested Power Systems of Andhra Pradesh State Power Grid", International Conference on Power Electronics, Drives and Energy, December 2012.
19. K. Suneeta," Evaluating Marketing Power In Congested Power Systems", International Conference On Power Electronics, Drives And Energy, December 2012.
20. K. Suneeta," Transfer Capability Computations Using Radial Basis Function Neural Network Under Deregulated Power System", International Journal of Emerging Trends in Engineering and Applied Sciences, ISSN: 2141-7016, June 2011.
21. K. Suneeta," Random Zero Vector Distribution PWM Algorithm for Direct Torque Control of Induction Motor Drive", International Journal of Electronics and Electrical Engineering, special issue 2012,vol.05,no.03,December 2012.
22. K. Suman,K. Suneeta," Direct Torque Controlled Induction Motor Drive With Space Vector Modulation Fed With A Three Level Inverter", International Conference On Advances In Power Conversion And Energy Technologies (ICAPCET), December 2012
23. K. Suneeta," Transfer Capability Computations in Deregulated Power System Using Radial Basis Function Neural Network Approach", International Symposium on High Voltage Engineering, Germany, August 2011.
24. K. Suneeta," Enhancement of Available Transfer Capability in Deregulated Power Systems Using FACTS Devices in Real Time System of Andhra Pradesh State Power Grid", International Journal of Current Research and Review,VOL.04,ISSUE.10,E-ISSN:0975-5241(online),P-ISSN: 2231-2196(Print), May 2012.
25. K. Suneeta," An Approach for Transfer Capability computations in Deregulated power system using Radial Basis Function Neural Network", Proceedings of National Conference on power system planning and operation, September 2011.
26. K. Suman,K. Suneeta," Sensor-less control of induction motor Drive using SVPWM-MRAS SPEED observer", AICTE Sponsored national Conference, August 2011.
27. K. Suman,K. Suneeta," Simulation and comparison of DTC-SPWM and DTC-SVM control of induction motor drive", NESTAEE-11, November 2011.

Workshops Attended

1. Two Week ISTE Workshop on CONTROL SYSTEMS Conducted By IIT KHARAGPUR at AGI 2ND December to 12TH December 2014.
2. Two Week Short Term Training Program PEDAGOGI Conducted By IIT BOMBAY at AGI 5TH January to 21ST January 2015.
3. Two Week ISTE Workshop on POWER SYSTEMS Conducted By IIT KHARAGPUR at AGI 10th July to 15th July 2017.

Achievements:

1. Ratified by JNTUH as Associate Professor.

Projects Guided:

UG: 30

PG: 20