

## **Department of Electrical and Electronics Engineering: Journal Publications**

1. **J. Sridevi**, J. Amarnath, G. Govinda Rao, (2012), "Optimal position of FACTS devices for zonal congestion management under contingency", International journal of applied engineering research, Vol. 7, No. 6, pp 599-611 ISSN: 0973-4562.
2. **J. Sridevi**, J. Amarnath, G. Govinda Rao, (2012), "Role of FACTS devices on zonal congestion management ensuring voltage stability under contingency", International journal of advances in engineering and technology; Volume 3, Issue 2, pp 635-641, ISSN: 2231-1963.
3. **J. Sridevi**, J. Amarnath, G. Govinda Rao, (2012), "Zonal power quality improvement using static bar compensator for an Indian utility system", International journal of engineering research and applications; Vol. 2, Issue 3, pp 1320-1325, ISSN: 2248-9622.
4. **Swati Devabhaktuni**, S. V. Jayaram Kumar, (2012) "Power flow analysis of self-excited induction generator driven at variable wind speeds", International Journal of advance engineering research and studies; Vol. 1, No. 2, pp 21-25, ISSN: 2249-8974.
5. **Swati Devabhaktuni**, S. V. Jayaram Kumar, (2012), "Stator Flux oriented vector controlled wind driven self-excited induction generator using dula pulse AC-DC converter employing pulse doubling technique", International Journal of computer application; Vol. 3, Issue 2, ISSN: 2250-1797.
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8. **Swati Devabhaktuni**, S. V. Jayaram Kumar, (2012), "Different self-excitation techniques for slip ring self-excited induction generator", International Journal Computer applications; Vol. 38, No. 2, pp 19-26, ISSN: 0975-8881.

9. **Swati Devabhaktuni**, S. V. Jayaram Kumar, (2012) “Modeling analysis of wind turbine driven self-excited induction generator connected to grid interface with multi-level H-Bridge inverter”, IACSIT International Journal of Computer and Electrical Engineering; Vol. 4, No. 1, pp 19-24, ISSN: 1793-8163.
10. **Swati Devabhaktuni**, S. V. Jayaram Kumar, (2011), “Transient analysis of Wind Driven self-excited induction generator under different fault conditions”, International Journal of Engineering Research and Applications; Vol. 1, Issue 3, pp 1471-1478, ISSN: 2248-9622.
11. **Swati Devabhaktuni**, S. V. Jayaram Kumar, (2011), “Analysis of wind driven self-excited induction generator connected to grid interface with multi-level inverter,” International Journal of Science and Technology; Vol. 1, Issue 2, pp 19-25, ISSN: 2250-1412.
12. **Swati Devabhaktuni**, S. V. Jayaram Kumar, (2011) “Performance analysis of self-excited induction generator, driven at variable wind speeds”, International Journal of Engineering and Advanced Technology; Vol. 1, Issue 2, pp 81-86, ISSN: 2249-8958.
13. **Swati Devabhaktuni**, S. V. Jayaram Kumar, (2011), “Performance analysis of wind turbine driven self-excited induction generator with external router capacitance”, International Journal of Advanced Engineering Science and Technology; Vol. 10, Issue 1, pp 1-6, ISSN: 3330-7818.
14. **Swati Devabhaktuni**, S. V. Jayaram Kumar, (2011), “Design and control of voltage regulators for wind driven self-excited induction generator”, International Journal of Advances and Engineering Technology; Vol. 1, No. 5, pp 204-217, ISSN: 2231-1963.
15. **Swati Devabhaktuni**, S. V. Jayaram Kumar, (2011), “Impact of power factor control loop at rectifier unit on wind turbine driven self-excited induction generator connected to grid”, IACSIT, International Journal of Engineering and Technology; Vol. 3, No. 6, pp 651-657, ISSN: 1793-8244.
16. **Swati Devabhaktuni**, S. V. Jayaram Kumar, (2011), “Stator flux oriented vector control of wind driven self-excited induction generator using eighteen pulse AC-DC converter employing pulse doubling technique”, International Journal of Advances in Science and Technology; Vol. 3., No. 5, pp 114-121, ISSN: 2229-5216.
17. **P. Sri Vidyadevi**, G.N. Sreenivas, (2010), A Paper Titled 'A Novel Implementation Of Pspice Modeling For Reliability Analysis Of Distribution Systems', CPRI Journal Sept, Vol. 6. No 2 pp 167-176.

18. **B.Chitti Babu, B.Vasantha Reddy, K.B.Mohanty**, (2010), "A Novel Delta Modulator and Modified Ramp Type Current Controller-Two Viable Scheme for Current Controlled Voltage Source Inverter" international journal of computer applications; Vol. 1, issue: 3, pp 48-54 ISSN- 09758887.

**Department of Electrical and Electronics Engineering : Conference Proceedings**

1. **V. Vijaya Rama Raju, M. Chakravarthy, P.M. Sarma, S.N. Saxena**, 16-17 February, 2010, "Reactive Power Compensation of Grid using DFIG", Proc. of National Conference on Special Electrical Machines & Systems, , BHEL Corporate R&D Division, Hyderabad, A.P., India. pp.18-23.
2. **M.Chakravarthy, V.Vijaya Rama Raju, P.M.Sarma, S.N.Saxena**,16-17 February, 2010 "Automation of Testing Procedure for Electrical Machines Using PLC", Proc. of National Conference on Special Electrical Machines & Systems, BHEL Corporate R&D Division, Hyderabad, A.P., India. pp.15-20.
3. **S.S. Nawaz, R.Anil Kumar, V.Vijaya Rama Raju, P.M.Sarma**, 26-27 November 2009, "Reactive Power Compensation of Grid using DFIG," Proc. of National Conference on Advanced Controls, Gokaraju Rangaraju Inst. of Engg. and Tech., Hyderabad, India. pp110-115.
4. **V.Vijaya Rama Raju, M.Chakravarthy, P.M.Sarma, S.N.Saxena**, 26-27 November 2009, "Automation of Electrical machine testing using PLC," Proc. of National Conference on Advanced Controls, Gokaraju Rangaraju Inst. of Engg. and Tech., Hyderabad, India. pp 104-109.
5. **V.Vijaya Rama Raju, M.Chakravarthy, P.M.Sarma, S.N.Saxena**, 26-27 November 2009, "Automatic Power Factor Correction using PLC," Proc. of National Conference on Advanced Controls, , Gokaraju Rangaraju Inst. of Engg. and Tech.,Hyderabad, India. pp 104-109.
6. **Sarma P M, Vijayaramaraju V, Chakravarthy M, Saxena S N**, 2009,"Closed Loop Speed Control of a DC Motor Using Lab view", Design, Operation & Control of Distribution Systems, Sreenidhi Institute of Science & Technology, pp32-38.
7. **Sarma P M, VijayaramarajuV, Chakravarthy M, Saxena S N**, 2009,"Microprocessor Based Industrial Timer", Design, Operation & Control of Distribution Systems, Sreenidhi Institute of Science & Technology, pp39-42.

8. **D.V. Pushpalatha**, K.R. Sudha and A.Satya Devi, 27-28 Oct. 2009, "Design of Adaptive Fuzzy Controller for a Robot gripper" proceedings of International Conference "ARTCom '09- IEEE Advances in Recent Technologies in Communication and Computing", pp 254 – 256.
9. **Sarma P M, Prasad P P C, Chakravarthy M**, 2007,"Control of Bioreactor Using PLC", National Conference on Power Engineering & Process Controls, G.Narayanamma Institute of Technology & Science, pp189-194.

### **Department of Mechanical Engineering: Journal Publications**

1. **PAPN Varma**, K.Rakesh Varma, **K.G.K. Muti**, A.V.S. Raju, **Swadesh Kumar Singh**, "Mathematical Modelling and Microstructural Studies of Excessive Ironing of Extra Deep Drawn Quality Steel in Deep Drawing Setup in Warm Conditions" International Journal of Advanced Materials Manufacturing & Characterization, Volume 1 Issue 1, March 2012 ISSN 2277-3886, pp 165-172.
2. C.V. Kalyan, **M.V. Aditya Nag**, "Recent Trends in Development of Methanol as Future Energy Source" International Journal of Advanced Materials Manufacturing & Characterization, Volume 1 Issue 1, ISSN 2277-3886, pp 8-10.
3. Amit Kumar Gupta, Hansoge Nitin Krishnamurthy, Yashjeet Singh, Kaushik Manga Prasad, **Swadesh Kumar Singh**, "Development of Constitutive Models for Dynamic Strain Aging Regime in Austenitic Stainless Steel 304" Materials & Design, In Press, Accepted Manuscript, Available online 1 October 2012.
4. **Swadesh Kumar Singh**, PV Sasidhar, P Prudvi Redd1, Vinay Kumar, MS Hallika and **AK Gupta**, " Study of Formability and Friction in Warm Forming of Aluminum IS 737 Alloy" accepted for publication in International Journal of Advanced Materials Manufacturing and Characterization for Vol 1, Issue 2.
5. Amit Kumar Gupta, V.K. Anirudh, **Swadesh Kumar Singh**, "Constitutive models to predict flow stress in Austenitic Stainless Steel 316 at elevated temperatures" Materials and Design 43 (2013) 410-418.

6. K. Rakesh Varma, **PAPN Varma**, KGK Murti, AVS Raju, **Swadesh Kumar Singh**, "Mathematical modelling and experimental validation of excessive ironing of EDD steel in deep drawing setup in Warm conditions" International Journal of Advanced Material Manufacturing and Characterization, Vol. 1, No 1, 2012, pp 165-172.
7. Amit Kumar Gupta, **Swadesh Kumar Singh**, M. Swathi, H. Gokul, "Prediction of Flow Stress in Dynamic Strain Ageing Regime of Austenitic Stainless Steel 316 using Artificial Neural Network" Materials and Design 35 (2012) 589–595.
8. Amit Kumar Gupta, Hansoge Nitin Krishnamurthy, Yashjeet Singh, Kaushik Manga Prasad, **Swadesh Kumar Singh**, "Development of Constitutive Models for Dynamic Strain Aging Regime in Austenitic Stainless Steel 304" Materials & Design, In Press, Accepted Manuscript, Available online 1 October 2012.
9. Amit Kumar Gupta, V.K. Anirudh, **Swadesh Kumar Singh**, "Constitutive models to predict flow stress in Austenitic Stainless Steel 316 at elevated temperatures" Materials and Design 43 (2013) 410-418.
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11. **Dareddy Ramana Reddy**, Banoth Balunaik, "Development of a composite material from agro waste for wear resistance application", Journal of Chemistry and Chemical Engineering, ISSN: 1934-7375, USA(Under Review), JCHE:E2012101001.
12. **Dareddy Ramana Reddy, Swadesh Kumar Singh**, B.Balunaik (June2012), "Ingredients Composition formulations and development of a new metal matrix composite for friction lining applications using MINITAB16" International Journal of Engineering and Technology, Publishers GSTF, Singapore, Volume 1, Number 1, pp: 99-104, ISSN: 2251-3701.
13. C.Bhaskar Reddy, C.Eswara Reddy, **Dareddy Ramana Reddy** (June2012), "Experimental Investigation of Surface Finish and Material Removal Rate of P20 Die-Tool Steel in Wire-EDM using Multiple Regression Analysis" International Journal of Engineering and Technology, Publishers GSTF, Singapore, Volume 1, Number 1, pp: 113-118, ISSN: 2251-3701.

14. **Dareddy Ramana Reddy**, Banoth Balunaik (June2012), “Effect of grit size and abrasive type on surface finish of a machined Al-SiC<sub>p</sub> MMC”, International Journal of Manufacturing Engineering, SME Publications, Volume 7, Issue 2, pp 67-71, ISSN: 0973-6867.
15. **M.V.Aditya Nag, Dareddy Ramana Reddy** (July2012), “Performance Improvement of an Oil Fired Furnace through Oscillating Combustion Technology” International Journal of Scientific Essays and Research (IJSER), USA, Volume3, issue 7, ISSN: 2229-5518.
16. **D.Govardhan, K.G.K. Murti**, A.C.S. Kumar, G.Madhusudhan Reddy, “Characterization of Austenitic Stainless Steel Friction Surfaced Deposit Over Low Carbon Steel” Materials and Design (2012) 206-214.
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18. **Jandhyala N Murthy**, “Assessment Practices in Engineering- A Review”, EEF’s The Journal of Engineering Education, XIII-Special Issue, Technological Universities of India, January 2012, Vol 25, No.3;19-25
19. **PAPN Varma, KGK Murti, AVS Raju**, “Forming of Cylindrical Components in Warm Condition Under Deep Drawing Setup Using Flow Forming Principle” International Journal of Mechanical Engineering, Vol.4 No.1 2011, Serials Publications ISSN: 0974-5823, Pages: 27-33.
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22. **Swadesh Kumar Singh**, Amit Kumar Gupta and K. Mahesh (2010), “A study on the extent of ironing of EDD steel at elevated temperature” CIRP Journal of manufacturing Science and Technology Vol. 3, Issue 1, pp 73–79.
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33. **Swadesh Kumar Singh**, “A Comparison of Hill and Barlat’s Yield Criteria for Deep Drawing at 200°C Temperature”, Journal of Nature Science and Sustainable Technology, 2009 , Issue 2.
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36. **Swadesh Kumar Singh**, Ravi Kumar D, “Effect of Process Parameters on Product Surface Finish and Thickness Variation in Hydro-Mechanical Deep Drawing”, Journal of Materials Processing Technology, 2008, 204, 169-178.
37. **Swadesh Kumar Singh**, Amrit Dixit, Ravi Kumar D, “Optimization of the Design Parameters of Modified Die in Hydro-Mechanical Deep Drawing using LS – DYNA”, International Journal of Advanced Manufacturing Technology, 2008, 38, 32-37.

#### **Department of Mechanical Engineering: Conference Proceedings**

1. **Dr. KGK Murti**, (2012), “Selection of processes for Dissimilar Material Joining”, International Welding Symposium 2012 conducted by Indian Welding Society 30 Oct to 01 Nov., 2012, pp.16 (paper code: IPA 002).
2. **Dr. KGK Murti**, M.S.N.Gupta, B Balunaik,(2012), “Thermo-mechanical Model of Friction Stir Welding Applied to Al/Cu Bimetallic Lap Joints”, International Welding Symposium 2012 conducted by Indian Welding Society between 30 Oct to 01Nov 2012, pp.66 (paper code: ICA 042).



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4. **L Jayahari**, N Naga Satya Lakshmi, M Aparna Chowdary Naik. P G P P Aparna, P Anusha Chowdary, B Balu Naik, (2012), "Experimental investigation of punch load of ASS304 at various temperatures", Proceedings of International Conference on Material Processing & Characterization (ICMPC 2012), 8-10 March, pp 89-93
5. G Sai Phanindra, B Srinivas, P Balakameshwar, **J N Murthy**, (2012), "Microhardness studies Of austenitic stainless steel-316 in deep drawing set up", Proceedings of International Conference on Material Processing & Characterization (ICMPC 2012), 8-10 March, pp 113-17
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7. **D Eswaraiah**, S Naga Sarada, (2012), "Numerical investigations on augmentation Of heat transfer in oil coolers", Proceedings of International Conference on Material Processing & Characterization (ICMPC 2012), 8-10 March, pp 625-633.
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9. **Swadesh Kumar Singh**, M L Kranthi Raj, B Bandhavi, AK Gupta, (2012) "Characterization and formability of commercially pure titanium at elevated temperature using finite element method" (Accepted for publication and presentation) at 4<sup>th</sup> International and 25<sup>th</sup> AIMTDR, Jadavpur Univesity, Kolkata India.
10. **Jaya Hari**, Balu Naik and **Swadesh Kumar Singh**, (2012) "Study of Formability and Thickness Distribution in Warm Forming of ASS 304" (Accepted for publication and presentation) at 4<sup>th</sup> International and 25<sup>th</sup> AIMTDR, Jadavpur, University, Kolkata India.
11. Yashjeet Singh, Nitin Krishnamurthy, Amit Kumar Gupta, **Swadesh Kumar Singh**, (2012), "A Comparative Study of Constitutive Models to Predict Flow Stress Behaviour in Dynamic Strain Aging Regime of Austenitic Stainless Steel 316" (presentation) at 2<sup>nd</sup> International Conference on Materials Science, Metal & Manufacturing (M3 2011), Singapore, Nov 19-20.

12. **Swadesh Kumar Singh**, Venkata Sasidhar, Vinay Kumar, Prudvi Reddy, Amit Kumar Gupta, (2012), " Comparison of warm and hydromechanical deep drawing when low Carbon steel is subjected to ironing" at 15th International Conference on Advances in Materials & Processing Technologies, 23-26 Sept, Wollongong, NSW Australia.
13. **Lade Jayahari**, B.BaluNaik, A. K. Gupta, **Swadesh Kumar Singh**, (2012), "Study of microhardness of Deep Drawn cups for Austenitic stainless steel-304 under warm conditions" 11<sup>th</sup> International conference on high Nitrogen Steels and Interstitial alloys, September 27-29, Chennai, India.
14. Sharat Chandra G, Raghuram K, Amit Kumar Gupta, **Swadesh Kumar Singh**, (2012), "Predicting of flow stress in Dynamic Strain Aging Regime of ASS 304 using support vector regression"11<sup>th</sup> International conference on high Nitrogen Steels and Interstitial alloys, September 27-29, Chennai, India.
15. P.Venkata Sasidhar, K Limbadri, P Prudvi Reddy, Vinay Kumar, **Swadesh Kumar Singh**, (2012), "Study of friction in warm forming of aluminum is 737 alloy using LS-DYNA" International Conference on Materials Processing and Characterization, March 8-10, 2012, Hyderabad, India, pp31-36.
16. L. Swetha, D. Keerthi, K., Sai Rajeshwari, **Swadesh Kumar Singh**, (2012), " Thickness Distribution in Austenitic Stainless Steel 316 & 304 Drawn Cups" International Conference on Materials Processing and Characterization, March 8-10, Hyderabad, India pp 43-47.
17. A.V. Siddhartha Gautham, A. Srikanth, Md. Aqheel, **J.N. Murthy, Swadesh Kumar Singh**, (2012), "Load displacement studies of stainless steel 316 cups drawn at various temperatures" International Conference on Materials Processing and Characterization, March 8-10, Hyderabad, India, pp 106-112.
18. P.M.S. Hallika, Kameshwari N, M. Pavani, **Swadesh Kumar Singh**, (2012), " Study of thickness and stress distribution in warm forming of Aluminum IS 737 alloy using LS-DYNA" International Conference on Materials Processing and Characterization, March 8-10, Hyderabad, India, pp118-123.
19. P.Venkata Sasidhar, K Limbadri, P Prudvi Reddy, Vinay Kumar, **Swadesh Kumar Singh**, (2012), "Study of friction in warm forming of Aluminum IS 737 alloy using LS-DYNA" International Conference on Materials Processing and Characterization, March 8-10, Hyderabad, India, pp31-36.

20. **Dareddy Ramana Reddy**, Banoth Balunaik, (2012), “Optimization of process parameters for machining of Al-SiC<sub>p</sub> MMC using Taguchi design”, National Conference on Advances in Mechanical Engineering(AIM2012), October 11-12, VCE, Hyderabad, INDIA, pp: 228-232.
21. **Dareddy Ramana Reddy**, Banoth Balunaik, **Swadesh Kumar Singh**, (2012), “Development of a composite material from agro waste for wear resistance application” 15th International Conference on Advances in Materials & Processing Technologies(AMPT2012), September 22-26, University of Wollongong, Australia. (Paper ID: PNAM-12007).
22. **Dareddy Ramana Reddy**, Banoth Balunaik, **Swadesh Kumar Singh**, (2011), “Ingredients Composition Formulations and development of a new metal matrix composite for friction lining applications using MINITAB16”, Annual International Conference on Materials Science, Metal & Manufacturing (M3 2011), Michigan Technological University, December 12-13, Singapore, pp:13-18, ISSN: 2251-1857.
23. **Swadesh Kumar Singh**, **Dareddy Ramana Reddy**, Amit Kumar Gupta, (2011), “Comparison on load and Formability of low carbon steel in warm and Hydro mechanical deep drawing”, Annual International Conference on Materials Science, Metal & Manufacturing (M3 2011), Michigan Technological University, December 12-13, Singapore, pp:111-114, ISSN: 2251-1857.
24. **Dareddy Ramana Reddy**, Banoth Balunaik, **Swadesh Kumar Singh**, (2011), “Comparative evaluation of surface finish (Ra) for Al-SiC<sub>p</sub> Metal Matrix Composite machining with diamond grinding wheel using multiple regression analysis and ANN (MATLAB)”, 5<sup>th</sup> International Conference on Advances in Mechanical Engineering (ICAME-2011), June 06-08, S.V. National Institute of Technology, Surat, India, pp: 586-591.
25. **M V Aditya Nag**, **Dareddy Ramana Reddy**, (2011), “Performance improvement of an oil fired furnace through Oscillating Combustion Technology”, 3<sup>rd</sup> International Conference on Advances in Energy Research (ICAER2011), December 9-11, IIT Bombay, India.
26. **Dareddy Ramana Reddy**, Banoth Balunaik, (2011), “ Performance of different grinding wheels on machining of Al-SiC<sub>p</sub> metal matrix composites”, International Conference on Futuristic Trends in Materials & Energy systems FTME 2011, 29 – 30 December, V.R Siddhartha Engineering College, Vijayawada, Andhra Pradesh, India, pp:93-98

27. **R.Ramana Goud, L. Jayahari, AK Gupta, Swadesh Kumar Singh**, (2011), "Experimental and Design consideration of Stretching of EDD steel sheet at elevated temperatures" International Conference on Advances in Materials and Materials Processing, IIT Kharagpur India, Dec 9-11, pp 202.
28. **Dareddy Ramana Reddy, Banoth Balunaik, Swadesh Kumar Singh**, (2011), "Ingredients Composition Formulations and development of a new metal matrix composite for friction lining applications using MINITAB16", Annual International Conference on Materials Science, Metal & Manufacturing (M3 2011), December 12-13,2011, Singapore.
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31. **Swadesh Kumar Singh, V K Anirudh, G Amrutha and AK Gupta** (2011), "Flow stress prediction in Austenitic Stainless Steel 316 at elevated temperatures" International Conference on Advances in Materials and Materials Processing, Dec 9-11, IIT Kharagpur India, pp 123.
32. **M.V.Aditya Nag, V. Ratna Kiran**, (2012), "Design optimization of Engine Mount Bracket for V6 engine", ( ICAMB – 2012 ) V.I.T. University, Vellore, 9-11 January, pp 814-818.
33. **Swadesh Kumar Singh, Ramana Reddy, Amit Kumar Gupta**, (2011), " Comparison on Load and Formability of Low Carbon Steel in Warm and Hydromechanical Deep Drawing" International Conference on Materials Science, Metal & Manufacturing (M3 2011), Dec 12-13, Singapore.
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56. **Swadesh Kumar Singh, Amit Kumar Gupta, M Swathi,Ramjee**, (2010), "Experimental Investigation and Thermal Analysis of Formability of EDD Steels in Warm Forming (up to 450 °C)", 3rd International & 24th AIMTDR, December 13-15, College of Engineering , AU, Vishakapatnam, India.
57. **Swadesh Kumar Singh, M L Kranthi Raj, S M Hussaini, Amit Kumar Gupta**, (2010), "Characterization & formability of Aluminium IS 737 40800 grade material at elevated Temperature ", International Conference on Production & Industrial Engineering CPIE, 3-5, December, NIT -Jalandar, India,
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