

List of Publications from M.S.R.S.A.S.

Year 2005 – 06

1. Adoor, Rakesh & Sridhara, S. N. (2006) Influence of Aerodynamic Loads on Rotordynamic Stability of Gas turbine. *National Conference on Emerging Trends in Mechanical Engineering*, 10 & 11 February 2006, BMS College of Engineering, Bangalore.
2. Ananthapadmanabha, T. V. (2005). *National Symposium on Acoustics*, 15 December 2005, N.A.L, Bangalore.
3. Ananthapadmanabha, T. V. (2005) Invited paper on Voice and Speech Research – An Overview. *The first Kannada Vijnana Sammelana*, 15 to 17 September 2005, N.A.L, Bangalore.
4. Ananthapadmanabha, T. V. (2005) Acoustics 2005. *National Symposium*, 15 December 2005, N.A.L, Bangalore.
5. Anil, K. B. (2006) Digital Display of Engine Speed and RPM for Two Wheeler. *National Conference*, 8 to 12 February 2006, Thapar Institute of Engineering and Technology, Patiala.
6. Babu, Mahendra N. C., Jagadish, T., Ramachandra, K. & Sridhara, S. N. (2006) 3-D Finite Element Simulation of Cold Expansion of a Circular Hole: A New Approach. *International Conference on Total Engineering, Analysis and Manufacturing Technologies - TEAM TECH-2006*, 28 February to 3 March 2006, J.N. Tata Auditorium, Bangalore.
7. Balachandran, Pradeep. & Anathapadmanabha, T. V. (2005) Spectral Envelope and Formant Frequency Estimation of Voiced Speech using Wavelet Transform. *SASTECH Journal, MSRSAS 4*, 27-36.
8. Balasubramanya, B., Mishra, Manas Ranjan. & Sunder, Shyam B. K. (2005) Design of a Cosmetic Container. *SASTECH Journal, MSRSAS 4*, 53-55.
9. Chitibabu (2005) New Architecture for High Speed Dadda Multipliers. *International conference*.
10. Cyril, Prasanna Raj P. (2005) Analysis, Design and FPGA Implementation of Image Compression Algorithms based on Neural Networks Architecture. *VLSI Society of India*.
11. Cyril, Prasanna Raj P. & Kumar, Veena Sanath. (2005) High Speed Architectures for 1024 x 1024/2048 x 2048 Image Compression For Launch Vehicle Applications on Reconfigurable Hardwares. *SASTECH Journal, MSRSAS 4*, 1-14.
12. Deshpande, M. D. (2005) Invited paper, Computational and Bio-fluid Mechanics, *The First Kannada Vijnana Sammelana*, 15 to 17 September 2005, N.A.L, Bangalore.
13. Deshpande, M. D. & Srinidhi, B. G. (2005) Mixed Convection in a Lid-driven Cavity: Appearance of Bifurcation, Periodicity and Hysteresis. *Current Science 89*, 1720-1728.

14. Deshpande, M. D. (2005) Answer for a Science Question on Surface Tension, Question Corner in *The Hindu. Science Section*, 22 December 2005.
15. Devulapalli, Saikumar (2006) Real Time Software Modelling of Railway Ticket Vending Machine for Reservation using Modelling Language. *National Conference on Communication Technologies*, 10 & 11 March 2006, MEPCO SCHLENK Engineering College, Sivakasi.
16. Divyadarshan, Singh, Sumer & Paul, Joseph (2006) Design and Development of an Automatic X-Ray Film Dryer. *SASTECH Journal, MSRSAS 4*, 53-57.
17. Gupta, Ashish R., Pinjare, S. L., Vijaya, M. S., Saha, Ivan. & Giridhar, M. S. (2006) RF-MEMS Shunt Switch for Satellite Communication. *SASTECH Journal, MSRSAS 4*, 43-47.
18. Hiremath, Indudhar S., Anil, K. B. & Hareeshnarayana, S. (2006) Flexible Closed Loop Engine Simulation (FLEX-SIM). *SASTECH Journal, MSRSAS 4*, 70-74.
19. Jadaw, Raghavendra N., Sridhara, S. N. & Mokashi, Rajeev (2006) Thermal Mapping of Twin Tube Hydraulic Shock Absorber. *National Conference on Emerging Trends in Mechanical Engineering*, 10 & 11 February 2006, BMS College of Engineering, Bangalore.
20. Jagadeesh, K. & Shankapal, S. R. (2005) Design, CFD Investigation & Rapid Prototyping of Micro-Gas Turbine. *SASTECH Journal, MSRSAS 4*, 15-20.
21. Kara, Naveen Kumar & Narayanaswamy, K. V. (2006) MPEG Transmission in HSDPA.
22. Krishna, J., Shankapal, S. R. & Sridhara, S. N. (2006) Numerical Investigation on Conjugate Heat Transfer of High Pressure Compressor Disc Cavities of an Aircraft Gas Turbine. *National Conference on Emerging Trends in Mechanical Engineering*, 10 & 11 February 2006, BMS College of Engineering, Bangalore.
23. Kumar, Abhilash S. & Yathish (2005) Design of Embedded System for Controlling the Laparoscopic Surgical-Robot. *SASTECH Journal, MSRSAS 4*, 50-52.
24. Kumar, Anand V. K., Mishra, Manas Ranjan, & Anand, C. G. (2006) New Concept for Seats in BMTB Bus to Provide Comfort to Standees. *SASTECH Journal, MSRSAS 4*, 48-52.
25. Kumar, N. D., Shankapal S. R. & Ramamurthy, S. (2005) Theoretical Analysis of Flow through Centrifugal Compressor for Micro-Gas Turbine. *SASTECH Journal, MSRSAS 4*, 56-61.
26. Lakshmi, Kiran (2005) New Schemes for Testing of DWT Core. *International conference*.
27. Lakshminarayana, R., Loud, Richard L., Umamaheshwari, & Lakshminarayana, H. V. (2006) *SASTECH Journal, MSRSAS 4*, 67-69.
28. Lohit, H. S., Singh, Sumer & Paul, Joseph. (2006) Design Intervention in Living Room for the Modern Elite Class. *SASTECH Journal, MSRSAS 4*, 58-61.
29. Mohan, M. N. & Shankapal, S. R. (2006) Study of Handling Characteristics of a Passenger Car through Multibody Simulation. *SASTECH Journal, MSRSAS 4*, 34-37.

30. Nagpurwala, Q. H. & Guruprasad, S. A. (2006) Post-Stall Behaviour of an Axial Flow Compressor Stage. *SASTECH Journal, MSRSAS 4*, 1-5.
31. Nair, R., R., Meti, A.C. & Natrajan, K. (2005) Design & Analysis of Quartz Tuning Fork Gyroscope. *SASTECH Journal, MSRSAS 4*, 41-43.
32. Narayanaswamy, K. V. (2005) RF Base 2005. *National Conference*, 12 & 13 December 2006, Thiagarajar College of Engineering, Madurai.
33. Narayanaswamy, K. V. (2006) WDM Optical Networks. *Third IEEE and IFIP International Conference on Wireless and Optical Communication Networks*, 11 to 13 April 2006, Bangalore.
34. Pinjare, S. L. (2006) Scanning Probe of Nanolithography. *SASTECH Journal, MSRSAS 4*, 6-12.
35. Poovanna, C. T. & Sridhara, S. N. (2006) Numerical Investigation on Droplet Distribution from a Prefilming Airblast Atomizer. *National Conference on Emerging Trends in Mechanical Engineering*, 10 & 11 February 2006, BMS College of Engineering, Bangalore.
36. Prakash, S. V. & Shankapal, S. R. (2005) Combustion Analysis of Biomass based Slurry Fuels in Oil Fired Furnace using CFD-Tools. *ASME Conference*.
37. Prakash, R. (2005) Invited paper on Embedded Technology. *The first Kannada Vijnana Sammelana*, 15 to 17 September 2005, N.A.L, Bangalore.
38. Rajavel, R. B., Harish, M. S. & Lathkar, Deepa (2005) Characterization of Standard Cell Based Four Bit Carry Save Array Multiplier. *SASTECH Journal, MSRSAS 4*, 62-65.
39. Reddy, K. B. (2005) Damage Tolerance Analysis of a Tubular Drive Shafts. *ANSYS User Conference*, 30 November 2005, IISc, Bangalore.
40. Sampath, Usha & Choudary, Shilpa. (2006) Automated System Testing of VoIP Softphone GUI Application. *SASTECH Journal, MSRSAS 4*, 75-79.
41. Seetharamu, K. N. & Ashwathanarayana, P. A. (2006) Application of Artificial Neural Network for Flow Through Porous Medium with Radiation and Free Convection. *18th National and 7th ISHMT-ASME Heat and Mass Transfer Conference*, 4 to 6 January 2006, IIT, Guwahati.
42. Seetharamu, K. N. & Ashwathanarayana, P. A. (2006) Optimum Predictions of Thermal Energy Storage Heat-Sink Quality Factors Through Artificial Neural Networks. *18th National and 7th ISHMT-ASME Heat and Mass Transfer Conference*, 4 to 6 January 2006, IIT, Guwahati.
43. Seetharamu, K. N. & Ashwathanarayana, P. A. (2006) Finite Element Analysis for Counter Flow Three-Fluid Heat Exchanger. *18th National and 7th ISHMT-ASME Heat and Mass Transfer Conference*, 4 to 6 January 2006, IIT, Guwahati.
44. Seetharamu, K. N. & Ashwathanarayana, P. A. (2006) Finite Element Simulation of Multi-Stack Micro-Channel Heat Sinks with Parallel and Counter Two Phase Flow. *18th National and 7th ISHMT-ASME Heat and Mass Transfer Conference*, 4 to 6 January 2006, IIT, Guwahati.

45. Seetharamu, K. N. & Ashwathanarayana, P. A. (2006) Analysis of Brick Drying using Finite Element Method. *18th National and 7th ISHMT-ASME Heat and Mass Transfer Conference*, 4 to 6 January 2006, IIT, Guwahati.
46. Seetharamu, K. N. & Ashwathanarayana, P. A. (2006) Fluid Flow in Flip Chip Electronic Packages. *18th National and 7th ISHMT-ASME Heat and Mass Transfer Conference*, 4 to 6 January 2006, IIT, Guwahati.
47. Seetharamu, K. N. & Ashwathanarayana, P. A. (2006) Three Dimensional Conjugate Heat Transfer Analysis of Single Chip Mounted on PCB. *18th National and 7th ISHMT-ASME Heat and Mass Transfer Conference*, 4 to 6 January 2006, IIT, Guwahati.
48. Seetharamu, K. N. & Ashwathanarayana, P. A. (2006) Development of a Heat Transfer Model to Determine the Size of the Zones of a Downdraft Biomass Gasifier. *18th National and 7th ISHMT-ASME Heat and Mass Transfer Conference*, 4 to 6 January 2006, IIT, Guwahati.
49. Seetharamu, K. N. & Ashwathanarayana, P. A. (2006) Multi-Stack Micro-Channel Heat Sinks with Counter Flow Arrangement for Efficient Electronics Cooling. *18th National and 7th ISHMT-ASME Heat and Mass Transfer Conference*, 4 to 6 January 2006, IIT, Guwahati.
50. Siddarth, A., Shankapal, S. R. & Ramamurthy, S. (2005) Structural Analysis and Optimization of a Radial Turbine Rotor for Micro Gas Turbine. *SASTECH Journal, MSRSAS 4*, 44-49.
51. Sivapragasam, M. (2006) Technologies for Small Gas Turbine Engines. *National Conference on Emerging Trends in Mechanical Engineering*, 10 & 11 February 2006, BMS College of Engineering, Bangalore.
52. Sivapragasam, M. & Kannan, R. (2006) Calculation of Aerodynamic Drag Forces in an Engine Test Cell. *SASTECH Journal, MSRSAS 4*, 30-33.
53. Sola, Vijay Krishna (2005) ASIC Implementation of DWT IP Core. *National Conference*, SNS college of Engineering, Coimbatore.
54. Sola, Vijayakrishna (2006) Design and Implementation of Parallel and Pipelined Distributive Arithmetic Based Discrete Wavelet Transform IP core. *SASTECH Journal, MSRSAS 4*, 85-88.
55. Sreenivas, K. S., Jagadeesh, K., Pinjare, S. L. & Shankapal, S. R. (2005) Design Optimization of Micro-Needle for Biomedical Applications using ANSYS. *ANSYS User Conference*, 30 November 2005, IISc, Bangalore.
56. Sreenivas, K. S. (2005) Shape Memory Alloys in Mechatronics Systems. *Key Note Address: Mechatronics-Emerging Trends and its Applications*, Sambhram Institute of Technology, April 2005, Bangalore.
57. Sreenivas, K. S. (2005) Overview of MEMS and Applications. Guest Lecture, *Third International Conference on Intelligent Sensing and Information Processing*, December 2005. Bangalore.
58. Sreenivas, K. S. (2005) Scaling and Miniaturization Laws. *Key Note Address: Workshop on Nanoscience and Engineering*, September 2005, VTU, Bangalore.

59. Sreenivasa, T. N., Sridhara, S. N. & Pundarika, G. (2005) Working Fluid Inventory for Miniature Heat Pipe. *International Conference of Mechanical Engineering*, 28 to 30 December 2005, BUET, Dhaka.
60. Sridhara, S. N., Shankapal, S. R. & UmeshBabu, V. (2005) CFD Analysis of Fluid Flow and Heat Transfer in a Single Tube Fin Arrangement of an Automotive Radiator. *International Conference of Mechanical Engineering*, 28 to 30 December 2005, BUET, Dhaka.
61. Sunil, Raveendran, Sridhara, S. N. & Mokashi, Rajeev (2006) Computation of Noise Due to Oil Flow in a Shock Absorber. *International Conference on Total Engineering, Analysis and Manufacturing Technologies - TEAM TECH-2006*, 28 February to 3 March 2006, J.N. Tata Auditorium, Bangalore.
62. Tantry, Harikrishna P., Rao, Achutha. & Ritesh, G. (2005) Redesign of Overhead Luggage Compartment of Luxury A. C. Bus. *SASTECH Journal, MSRSAS 4*, 37-40.
63. Vijaya, M S. (2006) Coupled Field Finite Element Modelling and Analysis of Piezoelectric Devices. *SASTECH Journal, MSRSAS 4*, 18-23.