

# AET AME

## Accepted Full Paper

<b>Paper id</b>	<b>Title</b>	<b>Author</b>
AET_AME_10	Design & Structural Analysis of an Automobile leaf Spring of TATA Truck	V. Y Gajjar
AET_AME_12	A Numerical Study of heating effect of magnetic nanoparticles Hyperthermia with alternating magnetic field	Mostafa Zakariapoor, Bahram Ghorbani, Majid Amidpoor and Hesam Salarian
AET_AME_25	Design and Analysis of Parallel Parking System Device By using finite element Analysis.	Vandana Y. Gajjar
AET_AME_26	Motion Control and Dynamic Load Carrying Capacity of Mobile Robot via Nonlinear Optimal Feedback	M.H. Korayem, M. Irani and S. Rafee Nekoo
AET_AME_28	Detection Of Faults In Rail Using C-Type Transformer	K. Raj Bharath, S. Raj Kumar
AET_AME_32	Closed Loop Force Control Of A Monolithic MEMS Based Nano-Micro Gripper With A Two Dimensional Piezoresistive Force Sensor For Manipulation Of Biological Cells	Ali A. Abbasi, H. sayyaadi
AET_AME_33	Application of adaptive neural fuzzy inference technique for Prediction of flexural normalized hydrodynamic force of a microcantilever sensor immersed in viscous fluid	Ali A. Abbasi, M. pourmohammadi, and Davood Moradi
AET_AME_34	Application of Adaptive Neural Fuzzy Inference Technique for Prediction of Torsional Normalized Hydrodynamic Force of a Microcantiliver Beams Immersed in Viscous Fluid	Ali A. Abbasi <sup>1</sup> , M. pourmohammadi Davood Moradi
AET_AME_36	Design of Air Compressor Bracket for Light Commercial Vehicle	Pratap Bhosale, Harishchandra Jagtap , V. S Aher
AET_AME_40	The Modeling and Simulation of a Half-Vehicle Model with Driver	Aziz Sezgin, Tümer Ulus Nurkan Yagiz
AET_AME_41	A comparative study on direct and pulsed current gas tungsten arc welding of Inconel 617	E. Farahani, M. Shamanian, F. Ashrafizadeh
AET_AME_42	Reducing Vibration Effects on the Two Storey Building Model Using Dynamic Absorber	Hasan Omur Ozer Nurkan Yagiz
AET_AME_43	Thermoelastic damping of vibrations in a transversely isotropic hollow cylinder	H Singh J N Sharma

AET_AME_44	Reflection and Transmission of Thermo-Viscoelastic Plane Waves at Liquid-Solid Interface	R Kaur J N Sharma
AET_AME_45	Circular Waves in Thermoelastic Plates Bordered with Viscous Liquid	S. Pathania P.K. Sharma
AET_AME_51	Control-Integrated Design by Theoretical Simulation for a Torque-Actuated 6-SBU Stewart Platform	Biswajit Halder, Rana Saha, and Dipankar Sanyal
AET_AME_58	Design and Parametric Studies of an Indirect Evaporative Air Cooler	V. Sudheer Reddy, Jaywant H. Arakeri
AET_AME_504	Evaluation of Producing Plasma Sprayed NiAlY-SiC Composite Coatings	S.M. Hashemi, M.H. Enayati, M.H. Fathi
AET_AME_506	Use of Controlled Random Search for the Vibroacoustic Optimization of a Plate	M. Ranjbar , St. Marburg , H.-J. Hardtke
AET_AME_508	Theoretical Formulation and Finite Elemental Analysis of Conformal Cylindrical Contact	Nandish R.V , Sadananda Megeri , Gopinath M , S. Paul Vizhian , Rajeev Jain
AET_AME_510	Fabrication, Mechanical Characterization and Wear Response of Hybrid Composites Filled with Red Mud: an Alumina Plant Waste	Hemalata Jena , Alok Ku. Satapathy
AET_AME_511	Study of Shock Responses on a Subsystem of Spacecraft	Sanjay Gupta, Shashi Maruti Ghadi Dr.B.N.Ravikumar , Priyanka Yadav
AET_AME_516	Analysis Of Design Parameters Of The Isopipe On The Quality Of Glass Produced From The Overflow Fusion Process	Ankit Tiwari Piyush Kumar

### **Accepted Short Paper**

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AET_AME_4	Design and Analysis of Vertical Axis Wind Turbine	Sabitha Jannet R.Raja
AET_AME_9	Simulation of compression process in a hermetic reciprocating R134a compressor used in domestic refrigerators	Cibi chakravarthy N
AET_AME_21	Performance analysis of supercharging of two wheelers	Yashvir Singh, Nishant Kr. Singh Hemant Kr. Nayak
AET_AME_23	Microcontroller based capacitance meter	M.Ashok Kumar, CH.V.V.Ramana, B.Rama murthy, K.Venu Madhav,

		V.Siva kumar & Willem Clarke
AET_AME_24	Effect of Alkali Treatment on the Morphology and Performance of Cordia dichotoma fabrics/ polycarbonate Green composites	J. Jayaramudu a,c, E.R. Sadiku a, CH.V.V. Ramana b, Suprakas Sinha Ray c, A. Varada Rajulud
AET_AME_46	Ultrasonic Imaging of Impacted Flaw using Artificial Neural Network	S. Samanta, A. Mandal, T. Tagia, R. Lalchhanhima D. Datta
AET_AME_47	An Experimental Investigation into the Grindability Aspects of Newly Developed Ceramic Composite (AlSiTi)	Sanjay Kumar Soni, Vijayender Singh, Dr. S. Ghosh
AET_AME_54	Virtual Reality in Concept Design	Harish Pungotra l
AET_AME_55	Parametric studies of an automotive air conditioning system	Chunendra Kumar Sahu, G.S.V.L. Narasimham
AET_AME_59	Analysis Of Design Parameters Of The Isopipe On The Quality Of Glass Produced From The Overflow Fusion Process	Ankit Tiwari Piyush Kumar
AET_AME_60	Investigations On Wear By Slurry Abrasion Of Hardfaced Low Alloy Steel	Sanjay G Sapate Jagdeesh Raut
AET_AME_507	A Study on Convective Heat Transfer from Heat Sinks Made of Anisotropic Materials	R.Srinivasa Sugash
AET_AME_512	Vibrational Analysis of Cracked Rod having Circumferencial Crack	Priyank Shrivastava
AET_AME_514	Intelligent Automation of Decision Making in a Vertical Machining Centre Using an Open Architecture Controller	R. Ramesh, S. Jyothirmai, K. Lavanya S. Gupta

### **Accepted Poster Paper**

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AET_AME_5	Vortex vibration for clean power	M.Kamal Raj
AET_AME_11	Comparative study of thermal stress distributions in fins operatingat high temperature for different profiles and materials.	Prajesh Paul, Ram.C.Sharma Rohit Bezewada

		Mohammad Wakeei Sm Murigendrappa.
AET_AME_17	Magnetorheological fluid based Kinetic Energy Recovery System	B. Rajagopalan Vishnu Gopal
AET_AME_19	The Finite Element method: a tool to evaluate shear bond strength of recycled dental bracket	Shivakumar G Hadagali, Prof. B. R. Endigeri Dr. S. N. Kurbet
AET_AME_22	Statistical and regression analysis of Material Removal Rate for Electro Discharge Machining	Jonnala Subba Reddy
AET_AME_29	Experimental comparison and fabrication of helical coil heat exchanger	Rajesh Thamadapalle, Dr. Y.V.MohanReddy.
AET_AME_31	Performance evaluation and emission characteristics of different vegetable oils on a single cylinder Agricultural diesel engine	Mallinath C. Navindgi Dr. Maheswar Dutta
AET_AME_38	Experimental results of chlorofluoro carbon (CFC-114) in plasma coated tubes in compact tube bundles	Soma Dalbehera Pradipta Senapati
AET_AME_39	Performance Analysis of Heat Pump Assisted Solar Water heating system	Apeksha Shandilya
AET_AME_52	Study of journal bearing to find out the failure during start up	Majji santhi kumar
AET_AME_56	Web Enabled Product Planning in Quality Function Deployment.	Venu P, Dr Jeoju M Issac
AET_AME_57	Comparative investigation of mechanical properties of different base metal and reduction of welding fumes produced in GMAW/GTAW with various shielding gas compositions	B.Parthiban N.Sampathkumar K.V.Satheeshkumar
AET_AME_501	Effect of Hand Transmitted Vibration through Tractor during ploughing field	Kashif Irshad , ZakaUllah, Abid Ali Khan
AET_AME_502	Finite Element Analysis of Reformer Nozzle Model in Heat Transfer	Swapnil Kulkarni S.G.Taji
AET_AME_509	Analysis of kinematics nonlinearity and kinematic error in Stewart platform based machine tools	D. Karimi , M.J. Nategh
AET_AME_513	Advances in Internal Combustion Engine	K.Veeraputhiran, N.Muruges
AET_AME_515	Development of the fuzzy algorithms for the modeling of depth of cut in abrasive water jet machining process	Tauseef Uddin Siddiqui Rajat Srivastava