



# Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

(University u/s 3 of UGC Act 1956) (Accredited with "A" by NAAC)  
Enathur, Kanchipuram - 631561, Tamilnadu, India



## Third International Conference on Materials and Manufacturing Engineering

**ICMME - 2018**

March 8-9, 2018

### Technical Session I

Venue	: Seminar Hall, Mechanical Block
Date and Time	: 08/03/2018, 2.00 to 5.00 PM
Session Chair	: Dr. Kittichai Sojiphan, King Mongkut's University of Technology, North Bangkok
Session Manager	: Dr. S. Arumugam, Associate Prof, SCSVMV

S.No	Paper ID	Title of the paper	Author
1	ICMME001	Investigation of structural, optical and electronic properties of (Co, Ni) codoped CeO <sub>2</sub> nanoparticles	Saurabh Tiwari, IIT Indore
2	ICMME002	A Neural network based vibration prediction system in a servo pump	Goberu Manohara sai, VIT Chennai
3	ICMME003	Friction and Wear Behaviour of Tungsten Carbide and E Glass Fibre reinforced Al7075 based Hybrid composites	Santhosh Kumar.B.M, JSS Academy, Bangalore
4	ICMME005	Influence of grinding parameters on grinding force and temperature in grinding of AA6061-TiB <sub>2</sub> /ZrB <sub>2</sub> in-situ composite	Dr.A.Mahamani, SVCET, Chittoor
5	ICMME007	Job Shop Scheduling Problems Solving by Using FireflyAlgorithm	Muthiah.A, PSR Engg Coll, Sivakasi
6	ICMME008	Machining of Ti-6Al-4V ELI Alloy: A brief review	R kumar, KIIT, Odisha
7	ICMME013	A Comprehensive Review on Machinability Aspects in Hard Turning of AISI 4340 Steel	RAMANUJ KUMAR, KIIT, Odisha
8	ICMME017	Effect on Microstructures, Hardness and SDAS of Primary Mg <sub>2</sub> Si/Al-Si Eutectic phases of Centrifugally Cast Functionally Graded Al-(Mg <sub>2</sub> Si) <sub>p</sub> in-Situ Composites	SubashChandra Ram, IIT BHU
9	ICMME020	Factors affecting Supplier Relationship Management: An AHP Approach	Aishwarya Dash, IIT Kharagpur
10	ICMME023	Development of 3D Printed Brain Tumor for Surgical Biopsy	Y Sandeep Kumar, Aditya Engg Coll, AP
11	ICMME024	Analysis of Chip Reduction Coefficient in Turning of Ti-6Al-4V ELI	Ramanuj Kumar, KIIT, Odisha
12	ICMME025	Strength analysis of single lap dissimilar materials bolted joint	GAJENDRA S, Vidyavardhak CE, Mysuru
13	ICMME027	Practically Feasible Optimal Assembly Sequence Planning with Tool Accessibility	Gulivindala Anil Kumar, GMR IT, AP
14	ICMME046	Developing Empirical Relationship to Predict Maximum Tensile Strength on AA 7075 CMT Welded Al Alloy	M.Vigneshwar Veltech DU, TN
15	ICMME084	Mono and multi response optimization of 3D printer parameters to attain improved hardness and surface roughness	A Mahamani, SVCET, Chittoor



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Session Chair	: Prof. R. Lakshmi Narayanan
Session Manager	: Dr. A. Arunpremnath, Associate Professor, SCSVMV

S.No	Paper ID	Title of the paper	Author
1	ICMME014	Modeling the Performance of Vortex Tube using Response Surface Methodology and Artificial Neural Networks	Dr. G Suresh Kumar, GPR Engg Coll, Karnool
2	ICMME015	A Novel cooling system for Buildings using Phase Change Material	RANJEET M, PSR Engg Coll, TN
3	ICMME033	Free vibration analysis of stiffened laminated composite plate in a thermal environment	Sudhansu Sekhar Patro, KIIT, Odisha
4	ICMME034	Eigenfrequency analysis of spherical shell laminated composite plates with and without central cutouts using finite elements	Ranjan Kumar Behera, KIIT, Odisha
5	ICMME036	Design and Development of Peristaltic Soft Robot Using Shape Memory Alloy Actuators with different control strategies	Patil Rohit Manohar, VIT DU, TN
6	ICMME042	Formability studies on Ni-Ti shape memory alloy using laser forming technology	Abhinav Sharma, IIT Indore
7	ICMME047	Review on Natural Fiber Composites	R.ARVIND, Sairam Engg Coll, TN
8	ICMME081	Optimization of Drilling parameters by using Entropy-VIKOR approach of A356-TiB <sub>2</sub> /TiC in-situ composites	Ismail.Kakaravada, JNTU A, AP
9	ICMME056	Hardness and impact behaviour of aluminium metal matrix composites	C. Parswajinan, Sairam Engg Coll, TN
10	ICMME030	Mechanical and Micro structural Characterization of Diffusion Bonded Super Martensitic Stainless Steel	SESHADRI S, SASTRA, TN
11	ICMME045	Correlation between Micro hardness and Microstructure of CMT Welded AA 7075 Al Alloy	S.T.Selvamani, Veltech DU, TN
12	ICMME 006	Temperature Distribution and Stress Analysis of Aluminium Oxide Work-Piece during Laser Micro Machining Operation	Salila Ranjan Dixit, VSSUT, Odisha
13	ICMME009	To study the effect of inventory dependent consumption	Pankaj S. Ardak, PRPCEM, Maharashtra
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### Third International Conference on Materials and Manufacturing Engineering

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#### Technical Session II

Venue	: Seminar Hall, Mechanical Block
Date and Time	: 09/03/2018, 10.00 AM to 1.00 PM
Session Chair	:Dr. S. Ranganathan, Professor, Saveetha Deemed University, TN
Session Manager	:Dr. R. Vinayagamorthy, Asst. Professor (S-III), SCSVMV

S.No	Paper ID	Title of the paper	Author
1	ICMME004	Investigation on thermal properties of Styrene Acrylonitrile (SAN) matrix with Polytetrafluoroethylene(PTFE) particle reinforced composites	R.Mahesh Kumar, Kalasalingam DU, TN
2	ICMME016	Evaluating Tensile Properties of Animal and Hybrid Fiber Reinforced Polyester Composites	Dr. Gunti Rajesh, DVR CT, AP
3	ICMME018	Performance Evaluation of Indian Education Sector using Interpretive Structural Modelling	Samrat Majumdar, KIIT Odisha
4	ICMME021	Effect of alkali treatment on tensile properties of short madar fibre reinforced polyester composites	Dr. Gunti Rajesh, DVR CT, AP
5	ICMME026	A Critical Evaluation of Impact of Human Error: In Rail System Failure with a View to Enhance Safety	Sudarson Nayak, KIIT Odisha
6	ICMME031	Effect of circular web openings on dynamic behaviour of thin-walled steel cantilever tapered I - beams	K S Vivek, VVIT, AP
7	ICMME037	Comparative study on Cu, Al and Cu-Al alloy nanoparticlessynthesized through underwater laser ablation technique	Nandini Patra, IIT Indore
8	ICMME040	Modeling of Plasma Arc Welding of Inconel 617 Super Alloy Plates using RSM	Kadivendi Srinivas, DVR CT, AP
9	ICMME043	Optimization of Wear Phenomenon of Al6061/Gr MMCs using Non-Traditional Optimization Methods	P. Gangadhara Rao, KL DU, AP
10	ICMME052	Optimization of process parameters in Electro Discharge Machining of AISI 304 stainless steel	ASIT BEHERA, KIIT, Odisha
11	ICMME063	over stretching surface with chemical reactionand radiation using Cattaneo-Christov heat flux	K.LOGANATHAN, EASC, TN
12	ICMME068	Effect of second order slip and non-linear thermal radiation on mixed convection flow of MHD Jeffrey nanofluid with double stratification under convective boundary condition	K. JAGAN, NEC, Erode TN
13	ICMME069	Cross diffusion effects on combined bioconvection	S Pgeetha, VCW, Erode TN
14	ICMME087	OEE data Logger system for Machine	G.Jagadessh Kumar, SCSVMV, TN
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Session Chair	: <b>Dr. C. Thiyagarajan</b> , Professor, Saveetha Deemed University, TN
Session Manager	: <b>Dr. A. Arunpremnath</b> , Associate Professor, SCSVMV

S.No	Paper ID	Title of the paper	Author
1	ICMME022	Mechanical and Wear Behavior Of Aluminium-Zircon Sand-Flyash Metal Matrix Composite	Dr.B.Vijaya Ramnath, Sairam, TN
2	ICMME029	Investigation of Mechanical properties of Aluminium reinforced Fly ash with CNT	C. Parswajinan, Sairam, TN
3	ICMME048	Natural Fiber Composites-A Review	V. ARAVINTHAN, Sairam, TN
4	ICMME050	Sandwich and Natural fiber composites - A review	Dr.B.Vijaya Ramnath, Sairam, TN
5	ICMME051	Review on Sandwich and Natural Fiber Composites	Dr.B.Vijaya Ramnath, Sairam, TN
6	ICMME053	LIMITATIONS OF PROBABLE VEHICLE HEADLIGHT TECHNOLOGIES – A CRITICAL REVIEW	ChitradeepSarma, KIIT Odisha
7	ICMME067	A Review on Friction Stir Welding of Aluminium Metal Matrix Composites	Abhishek Subramanian, Sairam, TN
8	ICMME070	Free convection of nanoliquids in an enclosure wit	T. Aasaithambi, SSCET, TN
9	ICMME071	Cross diffusion, radiation and chemical reaction effects on MHD combined convective flow towards a stagnation-point upon vertical plate with heat generation	S Karthikeyan, EASC, TN
10	ICMME072	Investigation on Nano Particulate Aerosol at Idling Conditions of Vehicles	Rahul Sunny, EASC, TN
11	ICMME074	Free Convection of Water near its Density Maximum in a Heat Generating Porous Cavity with Sinusoidal Heating	K. JANAGI, SSCET, TN
12	ICMME077	Effects of Multiple slip on MHD combined convective flow of viscoelastic nanofluid over a stretchy sheet with heat absorption	S. ESWARAMOORTHY, Dr.NGP ASC, TN
13	ICMME080	Joint two-echelon inventory model for optimality of cycle time and inventory decisions with finite production rate under credit period	SEELAM KRUGON, BEC, AP
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### Technical Session III

Venue	: Seminar Hall, Mechanical Block
Date and Time	: 09/03/2018, 2.00 to 5.00 PM
Session Chair	: Prof. Dr. G. Sriram, Dean, Engg & Tech, SCSVMV
Session Manager	: Dr. S. Arumugam, Associate Prof, SCSVMV

S.No	Paper ID	Title of the paper	Author
1	ICMME028	Selection of Optimum Fuel Blend in an IC Engine using FAHP-PROMETHEE	WARKE VIVEK RAMESH, VIT DU, TN
2	ICMME032	Important factors of self-efficacy and its relationship with life satisfaction and self-esteem – with reference to gen y and gen z individuals	M Kishore Kumar, Amrita, TN
3	ICMME035	Engineering careers to enhance organizational commitment among employees in the IT industry	Arjun Ananthanarayanan, Amrita
4	ICMME038	Glass ceiling factors affecting women career advancement in IT industry in India	Nilufer, Amrita, TN
5	ICMME039	A study on the effect of workplace negativity factors on employee engagement mediated by emotional exhaustion	Archana, Amrita, TN
6	ICMME041	Suitability and adaptability of Lean manufacturing in Indian pharmaceutical sector	Priya Harikumar, Amrita, TN
7	ICMME044	Enhancing recruitment effectiveness in IT industry	R G Priyadarshini, Amrita, TN
8	ICMME073	Basic Problems faced by the Small Scale Industry Sector	Aditya Bharadwaj, KIIT Odisha
9	ICMME079	A Review on Aluminium CNT.	Caleb Stevenson S, Sairam TN
10	ICMME082	Investigations of Tensile Behaviour of Basalt Fiber Composite	Gowtham.S, Sairam TN
11	ICMME083	Studies on mechanical behaviour of basalt fiber composite	Arun Kumar A, Sairam TN
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### Technical Session III

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Date and Time : **09/03/2018, 2.00 to 5.00 PM**

Session Chair : **Dr.M.Vertivel.**, Associate Prof, SCSVMV

Session Manager : **Dr. K.Venkatesh**, Associate Professor, SCSVMV

S.No	Paper ID	Title of the paper	Author
1	ICMME054	Gamification Elements used in Employee Retention and Enhancing Employee Productivity	S Shyam Nivedhan, Amrita, TN
2	ICMME055	Study to measure the impact of social media usage on work-life balance	K P AravindaKumar, Amrita, TN
3	ICMME058	The Intention towards Social Entrepreneurship among Students and its link with Big 5 Model	Preethi CM, Amrita, TN
4	ICMME060	The impact of workplace friendships on organizational commitment and intention to leave	A Akila, Amrita, TN
5	ICMME061	Power sector reality and a way to improve service quality with community involvement	K V James, Amrita, TN
6	ICMME062	A study on factors affecting succession planning in small and medium scale Indian family business	Akash S Bathija, Amrita, TN
7	ICMME085	A review on friction stir welding of aluminium metal matrix composites	Dr. B Vijaya Ramnath, Sairam, TN
8	ICMME086	Automated line integration from through hole technology to integrated circuit testing	Roshan Joseph, VIT Chennai
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