

Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page nos.	Conference Theme	Venue	Year
Sumesh S, AR. Veerappan, and S Shanmugam	Shape deformation induced stress variation in through wall critical cracked pipe bends loaded by internal pressure	Proceedings of the World Congress on Engineering	1097-1101	Focus on frontier topics in theoretical, applied engg. and computer science subjects	London	2015
Sumesh. S, AR. Veerappan, and S. Shanmugam	A Study on effect of shape irregularities on collapse loads of pipe bends with critical circumferential through wall crack under in-plane closing bending	Int. Mechanical Engineering Congress	ISBN-13, 978-3-03835-163-4	Advancement of Mechanical Engineering to meet global challenges.	NIT Tiruchirappalli	2014
Buckshumiyan A, AR. Veerappan, and S. Shanmugam	Effect of shape imperfections on thin-walled pipe bends under out-of-plane moment and internal pressure	Int. Mechanical Engineering Congress	ISBN-13, 978-3-03835-163-4	Advancement of Mechanical Engineering to meet global challenges	NIT Tiruchirappalli	2014
G. Muthu, S. Shanmugam , and AR. Veerappan	Energy and exergy analysis of solar parabolic dish thermoelectric generator	Int. Mechanical Engineering Congress	ISBN-13, 978-3-03835-163-4	Advancement of Mechanical Engineering to meet global challenges	NIT Tiruchirappalli	2014
G. Muthu, S. Shanmugam , and AR. Veerappan	Numerical energy analysis of solar parabolic dish thermoelectric generator	Nat. Conf. on Advances in Mechanical Engineering		Provide common platform for practicing engineers	John Institute of Technology, Bangalore	2014
G. Muthu, S. Shanmugam , and AR.	Mathematical modeling of thermoelectric generator with solar parabolic dish	3rd Int. Conf. & Exhibition on Sustainable Energy &		Energy Efficient and Advanced Material for	Melaka Malaysia	2013

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Veerappan,		Advanced Material. (ICE-SEAM 2013),		Sustainable Development		
G. Muthu, S. Shanmugam, and AR. Veerappan	Solar parabolic dish thermoelectric generator with acrylic cover	4th Int. Conf. on Advances in Energy Research	10-12		IIT Bombay, Maharashtra	2013
Buckshumiyan A, AR. Veerappan, and S. Shanmugam	Finite element limit analysis in pipe bends subjected to in-plane opening bending moment and internal pressure	Proc. of Int. Conf. on Computer Aided Engineering	133-136	to bring together the global community to a unique high level forum	IIT Madras	2013
Eswaramoorthy M and Shanmugam, S	Thermoelectric power generation: a review	Int. conf. on Advances in Energy Conversion Technologies	55-58	Advancement in renewable energy technology	MIT Manipal	2010
Eswaramoorthy M, Shanmugam, S, and Veerappan AR	An analytical equation to estimate heat loss for solar parabolic dish thermoelectric generator	Proc. of Int. conf. on Frontiers in Mechanical Engineering	CD	to discuss developments in the field of Mechanical Engineering to review the challenges being faced by the engineers	NIT Karnataka, Surathkal	2010
S. Sakthivel, and S. Shanmugam	Efficient utilization of small capacity boilers	Proc. of Int. Conf. on Boilers	CD	To discuss issues in thermal power plants	Chennai Trade Centre	2010
R. Chandramouli, S. Shanmugam, and K. S. Pandey	Effect of imposed constraints on the densification behaviour of iron, Fe-0.35%C and Fe-0.65%C sintered P/M steel preforms during	Int. Conf. and Exhibition on Powder Metallurgy in Processing	CD		Chennai	2010

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	cold deformation					
G. Jyothi Rao, K. S. Pandey, S. Shanmugam , and S. K. Pandey	Influence of lubricant, composition and initial preform height to diameter ratio on cold deformation behaviour of sintered systems aluminium and aluminium – 2% alumina	Int. Conf. and Exhibition on Powder Metallurgy in Processing of Particulate Materials and Products	CD		Jaipur	2010
Sathish M. Kanhed, S. Shanmugam , and K. S. Pandey	Behaviour of sintered low alloy porous P/M steel preforms of different initial aspect ratios during hot upset forging	Int. Conf. and Exhibition on Powder Metallurgy in Processing of Particulate Materials and Products	CD		Jaipur	2010
Christo Michael T, AR. Veerappan, and S. Shanmugam	Effect of bend angle on induced stresses in pipe bends – numerical investigation	Int. Conf. on Frontiers in Mechanical Engineering	DA-152,58		NIT,Karnataka 1	2010
Eswaramoorthy M, and Shanmugam, S	A feasibility study on solar thermoelectric hybrid power generation	Proc. of Int. conf. on Energy and Environment,	431-435		Chandigarh	2009
Rajeshkannan, A., Pandey, K.S., and Shanmugam S	Evaluation of deformation and densification behaviour in sintered Fe-0.8%C-1.0%Mo steel preforms	Int. Conf. on Emerging Research and Advances in Mechanical Engineering	CD		Chennai	2009
Eswaramoorthy M, and Shanmugam, S	Energy and exergy analysis of solar thermoelectric hybrid power generation	Global conf. on Global warming	Paper no.256		Istanbul, Turkey	2009
S.Shanmugam , K.S. Pandey, and Syed Ummer M.Thangal	Fracture strength of rings made from sintered hot-forged Fe-0.8%C-1.0%Si-0.8%Cu P/M steels	12 th Int. Conf. on Fracture (ICF12),				2009
A. Rajeshkannan,	Deformation behaviour of sintered	IC-ICAME	CD		IISc Bangalore	2008

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K.S. Pandey, and S. Shanmugam	Copper based powder metallurgy alloy in powder preform forging					
S. Sakthivel, and S. Shanmugam	Stress on unification of various pressure vessel codes in practice	Proc. Int. Conf. and Exhibition on Pressure Vessels and Piping	CD		Chennai	2006
R. Prathap Raj, AR. Veerappan, and S. Shanmugam	Transient thermo mechanical analysis of boiler pipes	Proc. of Int. Conf. on Global Manufacturing and Innovation,	CD		CIT Coimbatore	2006
R. Gurumani, S. Shanmugam	Optimal engineering design of Spur gear sets against fatigue using genetic algorithms,	Proc. of the Int. Conf. on Global Manufacturing and Innovation	CD		Chennai	2006
A. Rajeshkannan, K.S. Pandey, and S. Shanmugam	Influence of frictional constraints between the combined stresses and the continued deformation and Densification of sintered high carbon P/M steel during cold deformation	Proc. of Green Engineering Materials processing, Int. Conf. in Materials Science and Technology	CD		Ohio, Cincinnati, USA	2006
A. Rajeshkannan, K.S. Pandey, and S. Shanmugam	Densification behaviour of cold forged Fe-C-Si-Cu sintered powder metallurgy steel	Int. Conf. on Advances in Mechanical Engineering	CD		SRM Institute of Science and Technology, Chennai	2006
Sakthivel, S, Shanmugam, S, and Thambidurai, K	Stress on unification of pressure vessel codes in practice	Proc. of Int. Conf. on Pressure Vessel and Piping	CD		Chennai	2005
Sakthivel, S, and Shanmugam, S	Analyses of small capacity boilers	Proc. of Nat. Conf. on Boilers	CD		Chennai	2005
Shanmugam, S, and Hyacinth	Developing software predicting incident and transmitted radiation	Proc. of Fourth Nat. Conf. on Thermal	21-25		Institute of Technology,	2003

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Diana A	for a tilted surface of solar flat plate collector	Systems			Bhanarus Hindu University, Varanasi	
Shanmugam, S and Hyacinth Diana, A	Experimental study on dual purpose roof integral low temperature solar flat plate thermal collector as agricultural dryer	Proc. of Int. Conf. on New Millennium-Alternate Energy Solution for Sustainable Development	98-102		PSG College of Technology, Coimbatore	2003
S.Shanmugam, and A. Hyacinth Diana	Experimental study on induced draft agricultural solar dryer	Proc. of Int. Conf. on Energy and Environmental Technologies for Sustainable Development	333-336		Malvya National Institute of Technology, Jaipur	2003
Shanmugam, S, and Christraj, W	Computer aided design of intermittent tracking solar paraboloidal dish concentrator as low cast water heater	Proc. of Int. Conf. on Energy and Environmental Technologies for Sustainable Development	337-342		Malvya National Institute of Technology, Jaipur	2003
S. Shanmugam, and Christraj, W	Experimental analysis of periodical position solar paraboloidal dish concentrator,	Proc. of Int. Conf. on Energy and Environmental Technologies for Sustainable Development	328-332		Malvya National Institute of Technology, Jaipur	2003
Hyacinth Diana, A and Shanmugam, S	Statistical forecast of ambient temperature using metrological data for solar thermal appliances	Proc. of Nat. Conf. on Advances in solar Energy Technologies	247-250		M.B.M. Engineering college, Jodhpur	2002
Hyacinth Diana, A, and	Development of computer software for optical analysis of cover	Proc. of Nat. Conf. on Advances in Solar	235-240		M.B.M. Engineering	2002

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Shanmugam, S	systems for multipurpose solar flat plate applications	Energy Technologies			college, Jodhpur,	
Hyacinth Diana, A, and Shanmugam, S	Computer aided optical analysis of solar air heaters	Proc. of Int. Workshop on Environment and Energy	Compact Disc		Periar Maniammai College of Technology for Women, Thanjavur	2001
Shanmugam, S. , Hyacinth Diana, A., Saravanan, P. T., and Karthikeyan, J	Mathematical modelling of an efficient solar conservatory roof	Proc. of Nat. Conf. on Energy Conservation and Management	115-120		Rajaramnagar, Sangli	2001
Shanmugam, S. , Hyacinth Diana, A., Saravanan, P. T., and Karthikeyan, J	Mathematical modelling of monthly average daily ambient temperature for use in solar applications	Proc. of Nat. Conf. on Energy Conservation and Management	121-125		Rajaramnagar, Sangli	2001
Sakthivel, S, and Shanmugam, S	Potential Biomass Fuels for Production of Gas Fired Commercial Boilers	Proc. of Nat. Conf. on Energy Conservation and Management	138-142		Rajaramnagar, Sangli	2001
Sakthivel, S, and Shanmugam, S,	Design of biomass gasifier for one tonne per hour commercial boilers	Proc. of Nat. Conf. on Energy Conservation and Management	143-147		Rajaramnagar, Sangli	2001
Shanmugam, S	Computer aided design of 50kN crane hooks using finite element technique	Nat. Conf. on Emerging Techniques in Engineering Design and Automation	131-142		MNM Jain Engineering College, Chennai	2001
Sakthivel, S, and Shanmugam, S	Energy conservation through introduction of design modification	Proc. of Nat. Conf. on Thermal Power	32-35		Maulana Azad College of	2001

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	in PRDS spray line in thermal power stations	Operation and Maintenance Strategies			Technology, Bhopal	
Sakthivel, S, and Shanmugam, S	On the improvement of life of coal nozzles in thermal power plants	Proc. of Nat. Conf. on Thermal Power Operation and Maintenance Strategies	104-108		Maulana Azad College of Technology, Bhopal	2001
Shanmugam, S. , Senthil Vasan, A and Ravi Shankar,J	Computer aided finite element transient analysis of power generating boiler tube bends subjected to internal pressure	Proc. of Nat. Seminar on Current Applications of Computers in Design Engineering	103-109		MNIT, Allahabad	2001
Veerappan, AR, and Shanmugam, S	Computer aided stress analysis of 210 MW boiler downcomer nozzle using finite element technique	Sixteenth National Convention of Mechanical Engineers and National All India Seminar on Future Trends in Mechanical Engineering	293-297		University of Roorke	2000
Shanmugam, S and Veerappan, AR	Failure analysis of waste heat recovery boiler tube bundle using finite element technique,	Sixteenth National Convention of Mechanical Engineers and National All India Seminar on Future Trends in Mechanical Engineering	288-292		University of Roorke	2000
Shanmugam,S	An analysis for precision positioning of XR-3 robot using finite element technique	Proc. of Nat. Conf. on Manufacturing Challenges in 21 st Century	SI12.1-II2.6		MNIT, Varanasi,	2000
Veerappan, AR, and	Computer aided design and drafting of centrifugal blowers	Proc. of Nat. Conf. on Intelligent Manufacturing	D2.1-D2.7		CIT, Coimbatore	1998

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Shanmugam, S		Systems				
Shanmugam, S, and Nandakumar M	On the development of an expert system for process planning for rotational cylindrical type jobs	Proc. of All India Seminar on Advances in Industrial Engineering and Productivity Improvement Techniques	C1-C5		MNIT, Allahabad	1995
Shanmugam, S, and Ramachandran, V,	Computer assisted hybrid group technology coding system for engineering manufacturing	Proc. of All India Seminar on Advances in Industrial Engineering and Productivity Improvement Techniques	A1-A6		MNIT, Allahabad	1995
Shanmugam, S and Krishnamurthy, R	Fatigue characteristics of spheroidal cast iron hollow rolling elements	Proc. of IX national Conf. on Industrial Tribology	M25-M31		ISRO Tiruvanathapuram	1991