

PROGRAMME SCHEDULE – PDME 2018

International Conference on Progressive Developments in Mechanical Engineering

Day 1: 18.1.2018

Track level Invited Lecture - 1

1.30 -2.30 pm	Invited Lecture -1
Venue: Mech. Engg. Seminar Hall	Engineering the Sport: A “Mechanical” Perspective Dr. Ganesh Natarajan, Associate professor, IIT Guwahati

TECHNICAL SESSION:

Day 1: 18.1.2018		Time: 2.30 -3.45 pm		Session 1	
Theme: Industrial Engineering				Venue: Mech. Engg. Seminar Hall	
Sl No	Paper ID	Name of Author(s)	Paper title		
1	74	Jithumon James& M S Jayamohan	Study on impact of Emotional Intelligence among faculties of engineering colleges of Kottayam district in Kerala		
2	78	R Rajesh, D R Gowri, &N Suhana	A Study on Usability of Road Traffic Sign Boards in Kottayam		
3	82	K. V. Arathi& M.P. Sajan	Importance of stakeholder management in construction quality		
4	83	V Jayakumar& Rajesh Vanchipura	Development and analysis of robust neighbourhood search for flow-shop scheduling problems with sequence dependent setup times		

TECHNICAL SESSION

Day 1: 18.1.2018		Time: 4.00 -5.15 pm		Session 2	
Theme: Industrial Engineering				Venue: Mech. Engg. Seminar Hall	
Sl No	Paper ID	Name of Author(s)	Paper title		
5	99	ReshmaChandran& S. Ramesh Krishnan	A real time analysis on the impact of knowledge management on 'cost of quality' in construction projects		
6	95	C. Sanjeevy& Jacob Elias	Identification of Energy Intensified Equipment for Reliability Analysis		
7	100	A ASambrekar, C R Vishnu& R Sridharan	Maintenance strategies for realizing Industry 4.0: An overview		
8	106	S. Ravikumar, R.S. Srijith, M.Bimalkumar, S. Kanagasabapathy& V Muralidharan	Fault diagnosis of self-aligning troughing rollers in belt conveyor system by Artificial Neural Network and Naive Bayes Algorithm		

Day 2: 19.1.2018

TECHNICAL SESSION:

Day 2: 19.1.2018		Time: 10.00 -11.15	Session 3
Theme: Manufacturing Technology & Material Science			Venue: Mech. Engg. Seminar Hall
Sl No	Paper ID	Name of Author(s)	Paper title
9	59	C Anand& S V Shallen.	Comparative study between conventional and sandwich plate system
10	61	A.MadhanKumar,V.Kathiresan, K.Ajithkumar,A.HukkimRaja, D.Balamanikandan	Investigation of Compressive strength of Impact damaged hybrid composite laminate
11	80	JibinBoban, Arun Lawrence, K.K Manesh&Leeba Varghese	Effect of polarity in micro-elecrical discharge machining
12	81	Abdul KhayoomFawas, S.S.Banwait& Rajesh Vanchipura	Development and Analysis of Gap optimization based Algorithms for Flow shop scheduling with Sequence Dependent Setup Time
13	119	P.V. Shaheer, Anwar Sadique& K.K. Ramachandran	Characterization and Taguchi based modeling& analysis of dissimilar TIG welded AISI 316L austenitic stainless steel-HSLA steel joints
14	29	K.S. Athira, K.W. Ng	Characterisation of nanoliposomes and its modifications for drug delivery

TECHNICAL SESSION:

Day 2: 19.1.2018		Time: 11.30 -12.45 pm	Session 4
Theme: Mech. Engg. Design & Analysis			Venue: Mech. Engg. Seminar Hall
Sl No	Paper ID	Name of Author(s)	Paper title
15	42	Sirosh Prakash &Smitha K K	Structural analysis of midship section using finite element method
16	72	P A Roy & Sebastian George	Applied biomechanics involved in the workouts for paraplegic persons
17	122	M. B. Kumaraswamy& J. SharanaBasavaraja	Behaviour of stress intensity factor of semi-elliptical crack at different orientations subjected to thermal load

Track level Invited Lecture - 2

1.30 -2.30 pm	Invited Lecture -2
Venue: Mech. Engg. Seminar Hall	Challenges and Opportunities of Mechanical Engineering Dr. Ajit Prabhu V., Chief Scientist, KSCSTE

TECHNICAL SESSION:

Day 2: 19.1.2018		Time: 2.30 -3.45 pm	Session 5
Theme: Computational Fluid Dynamics			Venue: Mech. Engg. Seminar Hall
SI No	Paper ID	Name of Author(s)	Paper title
18	38	G P Deepak & K. Shaji	CFD simulation of gas-liquid-solid three phase fluidized bed
19	76	S S, Bindu; SulavKafle; Godwin J Philip; K E Reby Roy;	Computational Study on Two Phase Flow of Liquid Nitrogen with different internal coatings
20	104	V T Gopinathan; Dr.J.BruceRalphin Rose; R.Veeramanikandan; V.Gokul;	On the Role of Leading-Edge Tubercles in the Pre-stall and Post-stall Characteristics of Airfoils
21	105	R.Saravanan, V.Vignesh, V.Venkatramasubramanian, R.Vaideeswaran&R.Naveen Rajeev	Aerodynamic Investigation of Airfoil Inspired HALE UAV
22	109	M. Ramakrishna& C. Senthil Kumar	Effect of Leading Edge Profile on the Flow Phenomenon of Delta Wing

TECHNICAL SESSION:

Day 2: 19.1.2018		Time: 4.00 -5.15 pm	Session 6
Theme: Thermal Sciences			Venue: Mech. Engg. Seminar Hall
SI No	Paper ID	Name of Author(s)	Paper title
23	97	V C Midhun, K. Shaji; & P. K. Jithesh	Effect of Concentrated Solar Radiation on Reduction of Pressure Drop in Oil Pipeline
24	115	Dharmahinder Singh Chand, D.L.VasthaduVasuKannah, S. Thanigaiarasu& S. Elangovan	Influence of Perforated Tabs on Subsonic Jet Control
25	120	S. Parvathi, V. P. Nithin, S. Nithin& N. Nived, P. A. Abdul Samad& C. P. Sunil Kumar	Effects of air jet on bluff body stabilized flame: Validation by simulation
26	79	Mohammed, Jesna; Pranav Shyam Praveen; K E Reby Roy;	An experimental investigation on cryogenic chill down time in polyurethane coated helical coil
27	77	K Sandeep &M Sekar	Experimental Analysis of Properties of

			Bio-lubricant Derived from Palm Kernel Oil
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Day 3: 20.1.2018

TECHNICAL SESSION:

Day 3: 20.1.2018		Time: 10.00 -11.15	Session 7
Theme: Renewable Energy and Alternate Fuels			Venue: Mech. Engg. Seminar Hall
Sl No	Paper ID	Name of Author(s)	Paper title
28	111	K K Janishali, C SajithBabu&SajithGopi;	Indoor Performance Evaluation of a Photovoltaic Thermal (PVT) Hybrid Collector
29	114	VaishnavVishwanathan&C.SajithBabu	Performance Analysis on a Solar dryer
30	121	P. P. Yoosaf, C. Gopu& C. P. Sunil Kumar	Properties of biodiesel and blends: An investigative and comparative study
31	69	T. P. MuhammedAshfaq& A. M. Sajeeb	Performance analysis of double slope solar still
32	71	O, Arjun; M. C. Nikhil; B. Sreejith;	Modification of parabolic trough collector and its exergy analysis
33	73	SharmasValiShaik& T P Ashok Babu	Analytical Computation of GWP, ODP, RF number and TEWI Analysis of Various R134a/R1270/R290 Blends as R22 alternatives