

List of Conference Papers (2017-18)

S.No	Title of Paper	Conference	Authors
1	Magnetorheological finishing on injection barrel type surface of moulding machine	39th International MATADOR Conference on Advanced Manufacturing, Manchester, United Kingdom, July 05-07, 2017	Talwinder Singh Bedi, Anant Kumar Singh
2	Development of new magnetorheological nano-finishing tool using permanent magnets for flat surfaces	39th International MATADOR Conference on Advanced Manufacturing, Manchester, United Kingdom, July 05-07, 2017	Harsh Kansal, Vishwas Grover, Anant Kumar Singh
3	Influence of particle size on leaching characteristics of fly ash	Proceedings of 15th International Conference on Environmental Science and Technology, CEST 2017, Rhodes, Greece, 31st August to 2 Sept 2017.	Mohapatra, S. K
4	Potential environmental hazardous due to disposal of ash from Indian thermal power plants	Proceedings of 15th International Conference on Environmental Science and Technology, CEST 2017, Rhodes, Greece, 31st August to 2 Sept 2017.	Mohapatra, S. K
5	Taguchi's approach for optimizing of tribo-resistance parameters for SS304	Materials Today: Proceedings. Jan 2018	Singh, J, Kumar, S, Mohapatra, S. K., Singh, G.

6	An investigation on leaching characteristics for Indian bottom ash	IConAMMA-2017 Materials Today Proceedings, 17-19 August 2017	Singh, G., Kumar S., and Mohapatra, S.K
7	Thermo-mechanical analysis of anti-symmetric angle-ply laminated plates using secant function based shear deformation theory	3rd Indian Conference on Applied Mechanics (INCAM), MNNIT Allahabad July 2017	Y. S. Joshan, A. Soni and Neeraj Grover
8	Transverse deformation and stress behaviour of laminated composite spherical and cylindrical shells	3rd Indian Conference on Applied Mechanics (INCAM), MNNIT Allahabad July 2017	L. K. Sharma, Y. S. Joshan and Neeraj Grover
9	Analytical solution for bending analysis of functionally graded plates using secant function based shear deformation theory.	3rd Indian Conference on Applied Mechanics (INCAM), MNNIT Allahabad July 2017	A. Soni, G. Bhardwaj and Neeraj Grover
10	Various efficiencies associated with the performance of a Proton Exchange Membrane (PEM) Fuel Cell: A review.	6th International Hydrogen and Fuel Cell Conference, 10-12 December 2017, Pune, Maharashtra, India	Navdeep Singh, Amandeep Singh Oberoi, and Baljit Singh
11	Insights on Force Trends and Geometrical Discrepancies in Single Point Incremental Bending Process	10th International Conference on Precision, Meso, Micro and Nano Engineering, IIT Madras, Chennai, 7th – 9th December, 2017	Singh, A., Agrawal, A

12	Immersed boundary simulation for continuous casting with different mould shapes.	24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC), BITS Pilani, Hyderabad, 27th – 30th December, 2017	Bhole A. S., Kumar M, Roy S, Panda, S. S.
13	Effects of Blockages and Inflow Pulsations on Flow Behaviour through S-Shaped Arteries	44th National Conference on Fluid Mechanics and Fluid Power , Amrita University, Amritapuri Campus, Kollam, Kerala, India, 14-16 December 2017	Kumar M., Roy S.
14	Tribological characteristics of aluminium metal matrix composite under particle based lubrication using MoS ₂	9th International Conference on Industrial. Tribology, Kolkata, 27-29 December, 2017	H Singh, H Bhowmick
15	Modeling, Analysis and Control of a Single Stage Linear Inverted Pendulum	IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPSCI-2017),Chennai, Tamil Nadu, India, 21-22 Sept, 2017,	Gurminder Singh, Ashish Singla
16	ANFIS Based Kinematic Analysis of a 4-DOFs SCARA Robot	International Conference on Signal Processing, Computing and Control (ISPCC 2017) at Jaypee University of Information Technology, Solan, HP, India, Sept 21-23, 2017	Jyotindra Narayan, Ashish Singla

17	Nodal Integral Method For Complex Geometries Using Higher Order Elements	24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), BITS-Pilani, Hyderabad, India, December 27-30, 2017	Rishabh P Sharma, Neeraj Kumar
18	Moisture Diffusion along the Layered Fibre Matrix Composites with Different Fibre Orientations	8th International Conference on Materials Processing and Characterization 2018, Hyderabad, India, March 2018	Vats, S., Jain, D. and Bera, T. K.
19	Micromechanical Interactions and their Relation to Stress Field for different classes of Reinforced Polymer Composites	8th International Conference on Materials Processing and Characterization 2018, Hyderabad, India, March 2018	Jain, D. Vats, S. and Bera, T. K.
20	Potential porous mediums for electrochemical hydrogen storage: state of art and comparative study	International Symposium on Functional Materials, Chandigarh, 13-15 April 2018	Himanshu Jindal, Amandeep Singh Oberoi, Inderjeet Singh Sandhu and Mansi Chitkara
21	Thermo-mechanical simulation study of HAZ in multipass submerged arc welding of HSLA steel	International Conference on Advanced Materials and Processes: Challenges and Opportunities (AMPCO-2017), IIT Roorkee, India, 30 Nov – 02 Dec, 2017	Satish Kumar Sharma, Sachin Maheshwari, Gyander Ghangas
22	Tool wear analysis while creating blind holes on float glass using conventional drilling: A multi-shaped tools study	International Conference On Engineering Materials, Metallurgy And Manufacturing (ICEMMM), February 2018	A. Sharma, V. Jain, D. Gupta

23	Surface modification of SS-316L steel using microwave processed Ni/WC based composite clads	First International Conference on Design, Materials and Manufacture (ICDEM 2018), , Karnataka, 29–31 January 2018	S Kaushal, D Singh, D Gupta, V Jain, H Bhowmick
24	Honking noise contribution to road traffic noise prediction.	2nd International Conference on Mathematical Methods & Computational Techniques in Science & Engineering (MMCTSE 2018), Murray Edwards College, University of Cambridge, UK, Feb 2018	Guarnaccia, C., Singh, D., Quartieri, J., Kumar, M., Mastorakis, N.E.
25	Traffic noise prediction modelling using multi-level ensemble method	2nd International Conference on Mathematical Methods & Computational Techniques in Science & Engineering (MMCTSE 2018), Murray Edwards College, University of Cambridge, UK, Feb 2018	Rana, P.S., Singh, D.
26	Parametric optimization for nano-finishing of the external cylindrical surfaces using rotating core magnetorheological finishing process	ASME's 13th International Manufacturing Science and Engineering Conference (MSEC2018) at Texas A&M University, College Station, TX, USA, 18-22 June, 2018	Manpreet Singh, Anant Kumar Singh
27	A numerical analysis of magnetic nanoparticle induced hyperthermia using the finite volume method	32nd Annual Meeting of European Society for Hyperthermic Oncology, Berlin, 16-19 May 2018	G Singh, N Kumar

28	3D representation and CNC machining of 2D digital images	Procedia Manufacturing, Elsevier, Vol 26, pp. 10-20, 2018, Presented in 46th SME North American Manufacturing Research Conference (NAMRC-46) at Texas A&M University, College station, Texas, USA, 18-22 June 2018	Sumit Sood, Ravinder Kumar Duvedi, Sanjeev Bedi, Stephen Mann
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