



**9th International & 30th All India Manufacturing Technology,
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(AIMTDR 2023)**



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Conference Theme- *Inclusive Manufacturing : A Paradigm Shift*
Organized by

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BEST PAPER AWARD - AIMTDR 2023

Paper code	Title of the paper (Authors with Presenter underlined) Institution
154	Analyzing the Influence of Alloying Elements on the Tribocorrosion Behavior of AZ91D Magnesium Alloy Fabricated by Stir-Ultrasonication-Squeeze Casting (<u>A. Gnanavelbabu</u> , M. Prahadeeswaran, E. Vinothkumar) Anna Univ, Chennai
204	A Novel Approach Based on Reliability Concepts to Reduce Part Errors by Considering Thermal Errors of Machine Tools (<u>Shashi Bhushan Gunjan</u> , D. S. Srinivasu and N. Ramesh Babu) IIT Madras
388	Numerical and Experimental Analysis of the Effect of Sheet Thickness Ratio on Clinching of AA6061-T6 Sheets (<u>Priyabrata Nath</u> , R. Ganesh Narayanan) IIT Guwahati
69	Influence of geometric error of a five-axis CNC milling machine on the accuracy of face gear tooth surface (<u>Prasmit Kumar Nayak</u> , Samuel GL and Shunmugam MS) IIT Madras
382	Numerical and Experimental Investigation of Freeform Fabricated Auxetic Structure-based Planar Mechanical Metamaterial (<u>Shubhangee Singhal</u> , Rakesh Kumar, Sanyukta Marandi, Anu Agrawal, Anupam Agrawal) IIT Ropar
168	Enhancing Low-Frequency Dynamic-Stiffness of Robotic Milling Machine Using Active Damping (<u>Govind Narayan Sahu</u> , Andreas Otto and Steffen Ihlenfeldt) IIT Tirupati
227	Fabrication of Titanium Nanotubes for Anti-fogging Application (<u>Ratan Ahuja</u> , Hrishikesh Jadhav, Pramod KC, Reshma Yasmin Siddiquie, Rakesh G Mote, Amit Agrawal, and Suhas S Joshi) IIT Bombay/Indore
351	High Strain Rate Electromagnetic Crimping on a Variation of Impact Target Geometry (<u>Ummad Singh</u> , Ashish Rajak) IIT Indore
415	Fabrication Process Development of a Three Dimensionally Rotated FSS Unit Cell for Wide-Angle Microwave Absorbers (<u>Jyoti Yadav</u> , Kajal Chaudhary, Kumar Vaibhav Srivastava, J. Ramkumar) IIT Kanpur
144	Unravelling the processing parameters for selective positioning of multi-materials using Laser decal Transfer based μ -3D printing (<u>Arpit Kumar Singh</u>) (<u>Arpit Kumar Singh</u> , Anshu Sahu, K.A.Vyvaswath, Kailaash Pandiyan, Palani Iyamperumal Anand) IIT Indore

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