



10th International and 31st All India Manufacturing Technology, Design & Research Conference

(AIMTDR 2025)

11-13th December, 2025



Technical Session Schedule

Day-1

Paper ID	Author	Brief Title	Theme	Session	Class Room	Time
AIMTDR_1750935230	Shatarupa Biswas	GMAW-based WAAM for SS 16L structure modelling	Additive Manufacturing	Day 1 A1	L-01	17:30-19:15
AIMTDR_1760558763	Arkajyoti Jha	Mechanical behaviour of hybrid components fabricated using WAAM				
AIMTDR_1760066910	Abhishek Kumar	Effect of Hatch and Contour Offset on Dimensional Accuracy of SS part by laser PBF				
AIMTDR_1760538370	Alok Kumar	Temperature Prediction in WAAM by ML				
AIMTDR_1760546136	Suraj Goala	Evaluation of Temperature Characteristics in Submerged Arc Additiev mfg.				
AIMTDR_1761286260	Rahul Kesharwani	Strengthening of WAAM Al alloy by friction stir processing method				
AIMTDR_1760360446	Ankit Tripathi	Macroscale Modeling of SLM Process Parameter for steel single track				
AIMTDR2025_A_1762235430	Arun K Singh	Cooling rate response of WAAM-TIG fabricated pure copper through laser heating and FE simulation				

AIMTDR_1760547192	Kailash Roy	USM Tool Pattern Wear using Reverse Engg. by ML	AI, ML	Day 1 B1	L-02	17:30-19:15
AIMTDR_1757768969	Salman Ansari	Predictive Modelling of Tensile Strength of Al-alloy composite by ML				
AIMTDR_1761416409	Chandrakant Kumar Nirala	Prediction of Flow and Thermal Parameters internally Cooled Turning Tool by GB and RR models				
AIMTDR_1755514836	Meghnath Sen	Prediction of Fracture Load of Micro-Friction Stir Welded Joints by ML & Data Analysis				
AIMTDR_1756897064	Randeep Kumar Sahu	Cyber Physical System: A review on Role of Artificial Intelligence for Android Malware				
AIMTDR_1759126591	Kavitha C	AlSi10Mg Using Additively Manufactured Cu Electrodes: ML (RF & ANN)				
AIMTDR_1759142076	Dr.S.UMAMAHESWARI	Multi-Objective Optimization of Si3N4–TiN Micro-EDM: ML (RF)				
AIMTDR_1761324511	Swati Singh	ML based Phase & Mechanical Property Prediction of Aerospace and Biocompatible Ti-alloy				
AIMTDR_1760366783	Rishikant Mishra	Micro-Slot Fabrication Using ECM	Machining	Day 1 C1	L-03	17:30-19:15
AIMTDR_1760440654	M. Nandakumar	Surface roughness under progressive tool wear: Experiment and theory				
AIMTDR_1760515561	Dr. Vipindas K	hBN nano particle Enriched Coconut Oil Cutting Fluids				
AIMTDR_1750784573	SUDHANSU RANJAN DAS	Flank wear_turning by AlTiSiN coated carbide tool				
AIMTDR_1758907341	Ram Niwas Saran	Texturing on axisymmetric thin-walled cylindrical sleeves by EDCLG grinding technique				
AIMTDR_1760543334	Rakesh P. R.	A Framework for Selection of Metalworking Fluid in Grinding				
AIMTDR_1758629614	Sivashankar N	ECM Hole in Mg alloy with new electrolyte				
AIMTDR_1754930326	Abhishek Shrivastava	Machining: Cutting-Edge Rounding and Chamfering of Micro End Mills				

AIMTDR_1760547717	SAURABH KUMAR	Development of a Numerical Model for Precision Thin-Wall Machining of Al-alloy	Design	Day 1 D1	L-04	17:30-19:15
AIMTDR_1760682747	Amrita Priyadarshini	Characterization of PMMA Bone Cement Mechanical and Thermal Loading				
AIMTDR_1761213426	GAURAV SHARMA	Effect of 3D printing parameters on the fracture characteristics of ABS components				
AIMTDR_1752509248	Dr Vaibhav S Pawar	Design: Near Ductless System for HVAC technical room, Sustainability				
AIMTDR_1753782200	Omkar Raj Aryan	Mechanical Performance of Additively Manufactured Cellular Lattice Structures				
AIMTDR_1755100828	DAYADI NAGESWARA RAO	Advancing GFRP-Epoxy with Aloe Vera and Aluminium reinforcement				
AIMTDR_1756368801	Atharva D. Joshi	Strength and flexibility of 3D-printed internal structures				
AIMTDR_1760533314	Harsh Raj Singh	Development of a Lightweight Unibody Quadcopter Using 3D Printing Technology				

AIMTDR_A_1762433566	Eshika Pawar	Ni(40)-Ti-Cu SMA-Coated Optical Fiber Sensor for Temperature Monitoring of Hydraulic Oil	Robotics	Day 1 E1	L-11	17:30-19:15
AIMTDR_1758131406	Debarghya	Kinematic Analysis and Experimental Validation image Guided Feeding Assistant Robot				
AIMTDR_1757929097	Suraj	Blind Primary and Secondary Insertion in Angular Plane by Sensor-based Robotic Gripper				
AIMTDR_1759158141	Suryakant Sahu	Trajectory Planning of a Kinova Gen3 6 DOF Robotic Manipulator				
AIMTDR_1760551859	KAUSHIK SAMANTA	Rheological Analysis of Novel Six-Axes Force/Torque Sensors for Grasp Prehension				
AIMTDR_1755249196	Dr. Yogesh Singh	Development and Control of a Linear Shape Memory Alloy Spring Actuator				
AIMTDR_1755329179	Zafar Alam	Closed-Form Inverse Kinematics Solution with Yaskawa GP12 Industrial Robot				
AIMTDR_1760812097	MANOJ SINGH YADAV	Microfabricated Copper Patterns embedded in PDMS for Soft Wearable Devices				

AIMTDR_1760546157	Snahill Agrawal	Digital Twin of a CNC Machining System with Data-driven Brownfield Plant	Industrial Engineering	Day 1 F1	L-12	17:30-19:15
AIMTDR_1760547548	Soumya Sangita Nayak	Off-line Programming of Robotic Material Handling cell with Future Digital Twin				
AIMTDR_1758807164	MANISH KUMAR	A Cyber-physical MR finishing framework for internal cylindrical components				
AIMTDR_1759299392	Prakhar Shukla	Digital twin: Failure prediction, monitoring, and visualisation of FDM parts				
AIMTDR_1760551722	Kaushal A Desai	A Simplified Approach to Building Reduced Order Model for Digital Twins: Cantilever beam				
AIMTDR_1760551539	Raviranjana Kumar	Smart Simulation-Driven Casting Defect Mitigation in industry 4.0 Framework				
AIMTDR_1761410211	SHARIB IMAM	Multi-Objective Optimization of MQL Parameters in Micro-Milling of AM Ti6Al4V				
AIMTDR_1754207725	Pulijala Pawan Kumar	Transient Structural Analysis: Savonius Hydrokinetic Turbine using FSI				

AIMTDR_1761415715	Santanu Das	AHP optimisation of TIG Weld Bead Geometry of SS	Traditional Manufacturing (Short)	Day 1 G1	L-13	17:30-19:15
AIMTDR_1752051512	ABHIMANYU	Study On Diffusion Joint of AA6061-SS316L				
AIMTDR_1755669458	Kalinga Simant Bal	Bead Surface Deviation in Submerged Arc Welding by ML				
AIMTDR_1760534815	Ganesh Singh Yadav	Review: TIG welding				
AIMTDR_1761314673	RAUSHAN KUMAR	Process-Dependent Predictive Criterion for IN82 Bead Profile using Curve-Fitting Models				
AIMTDR_1752594012	Basanta Kumar Nanda	Casting: Fabrication and Characterization of Nano-Hybrid Aluminium Alloy MMCs				
AIMTDR_1758009574	SUMAN KANT	Review on Mechanical Behaviour of Stir Cast Al-MMCs with particle reinforcements				
AIMTDR_1751307238	Sanjay Mahor	Simulation: Warpage, Shrinkage, Sink Marks, Dimensional Accuracy Plastic Injection Molds				
AIMTDR_1760552751	Keshav Sharma	Comparative Life Cycle Assessment of Al sheet production: Primary Vs Secondary				
AIMTDR_A_1761804996	Anjali Ramesh Dhiware	Mechanical Behaviour of Perforated and Non-Perforated (Plain) Aluminium 6061-T6 Sheets				
AIMTDR_1755161415	DWAIPAYAN DE	Hydroforming Efficiency: ML Models with Feature based Insight				
AIMTDR_1760548058	Evenmore Myllem	Laser-based ablation for microhole fabrication in natural leather				

AIMTDR_1760815725	MANISH KUMAR JINDAL	Microhardness and corrosive evaluation of single-wall SS WAAM structures	Additive Manufacturing (Short)	Day 1 H1	L-14	17:30-19:15
AIMTDR_1750778666	Dr. Joy Prakash Misra	Monel 400 Clad on SS 304 by CMT-WAAM				
AIMTDR_1750912923	SAPTARSHI SAHA	Wear_WC reinforced AISI 316L WAAM Cladding on Medium C steel				
AIMTDR_1759596827	Sathesh Raja	Bed geometry optimisation WADED continuous fiber reinforced composite				
AIMTDR_1760461036	Mithilesh Kumar Tiwari	3D Printing of bamboo powder-based composite by Extrusion Processes				
AIMTDR_1751256421	Manisha Nilkanth Alatkari	Optimisation: 3D Printed PLA and PETG mat. Taguchi, ANOVA, DFA				
AIMTDR_1760521331	ASWANI KUMAR SINGH	Review on Post-Processing Methods in Additive mfg				
AIMTDR_1753893186	SURAJ SHARMA	Sustainable and cost effective multi-filament fabrication FDM based 3d printing tech.				
AIMTDR_1756202936	Hema Pothur	WAAM Review: Processes, Materials, and Applications				
AIMTDR_1760354493	KAUSTUBH JAGDISH SARODE	Stepped Structure by laser Induced Forward Transfer based Micro 3D Printing				
AIMTDR_1760454035	NARAIN MOHAN	Durability and cost assessment of 3D-printed wheelchair by simulation				
AIMTDR_1760445392	Neha Choudhary	4D printing of carbon fiber-reinforced composite by FDM				

Day-2

Paper ID	Author	Brief Title	Theme	Session	Class Room	Time
AIMTDR_A_1763356487	Dr Debajyoti Bhaduri	Binder Jetting Additive Manufacturing of 316L Stainless Steel Parts	Addive Manufacturing	Day 2 A2	L-01	11:15-12:55
AIMTDR_1759597194	Umesh Melkani	Bead geometry optimisation Cu-Steel bimetallic structure by plasma arc DED				
AIMTDR_1753762690	Dinesh S	Distortion Prediction and Process Simulation: LPBF of Inconel 718				
AIMTDR_1757916771	FAIM KHAN	Microhardness and corrosion evaluation WAAM single wall AlMg5% weld beads				
AIMTDR_1754460685	Lakshmi Yadav	Microstructure and Mechanical Properties of WAAM 347 Stainless Steel				
AIMTDR_1754478531	Dr Ganesh Chouhan	Lattice Design and Manufacturaibility challenges in Additive mfg.				
AIMTDR_1760561129	R DURGA PRASAD REDDY	Performance of Additively Mfg. Polymer Molds for Injection Molding of Ti6Al4V dental				
AIMTDR_A_1762750585	Gaurav Rajput	Investigation for Stable Single Layer Deposition of Al2319 using High Current WAAM				
AIMTDR_1759849617	Harish Vishnu Gunjal	Fabrication of Porous Membranes by 3D Printing and Dip Coating oil water seperation	Surface Engineering	Day 2 B2	L-02	11:15-12:55
AIMTDR_1752054439	Himanshu Singh	Flame spray process variable Al2O3 coating on steel				
AIMTDR_1752224940	Ashok kumar	Flame spray_HA coating on Ti alloy				
AIMTDR_1752647392	Puneet Tandon	Tribological Performance of NiTi SMA in solution treatment quenching conditions				
AIMTDR_1752817576	SETU SUMAN	Flame spray_Al2O3-SiC coating				
AIMTDR_1753860193	Mainak Pal	Tribological Performance MoS2 embeded Tool in Sheet Forming				
AIMTDR_1757061932	Dr. Gourhari Ghosh	LDED laser remelting of Inconel coating: characterisation				
AIMTDR_1757820355	Vivek Singh Yadav	RF sputtered TiO2 on Mg alloy for corrosion resistance, biomineralization, protein adsorption				
AIMTDR_1760345189	Kundan Kumar Singh	Development of Micromachining Centre with Closed-Loop Contact Detection System	Machining	Day 2 C2	L-03	11:15-12:55
AIMTDR_1760461084	KAPIL KUMAR GUPTA	Machining of alumina by using abrasive water jet machining				
AIMTDR_1760466244	Jitendra Sarkar	USM of Al-MMC				
AIMTDR_1760507635	AJAY CHOUDHARY	Magnetorheological Finishing of Bronze: Experiment and Simulation				
AIMTDR_1760530955	Dr Ravi Pratap Singh	Microfeature Fabrication in Rotary Electrochemical Discharge Machining of Quartz Ceramics				
AIMTDR_1760532732	ARINDAM MAITY	Jet Electrochemical Micro Machining (Jet EMM) of Ti6Al4V: Experimental				
AIMTDR_1760548858	CHAMIND E C	Plasma electrolytic polishing of SS316L with masking for selective polishing				
AIMTDR_1760441749	VISHAL T	Prediction of MRR in ECM Gradient Boosting Regression & Support Vector Regression				
AIMTDR_1756966743	UMANG DUEBY	ML & FEM: Guided Design of rGO-Functionalized Jute/Epoxy Composite	Design	Day 2 D2	L-04	11:15-12:55
AIMTDR_1757252731	Riva Mayekar	3D Printed Finger Brace: Design, Simulation and Comparative Analysis				
AIMTDR_1757342152	SAISH PARAB	FEM model for stress analysis of FDM fabricated Mecanum Wheel				
AIMTDR_1757505161	Benedict Thomas	Mechanical and Dynamic Behaviour of Bio-Inspired Lattice Structures				
AIMTDR_1757566056	YAJUSH WALIA	Simulation Based Investigation of Tensile Strength of PLA and PLA-Carbon Fiber				
AIMTDR_1759224512	Mahesh Daud	Comparative mechanical properties: PEEK and CF-PEEK for knee implnats				
AIMTDR_1759466292	G K MISHRA	High Temperature Elastic Properties of LDED steel by Impulse Excitation technique				

AIMTDR_1759645987	Sri Bharani Ghantasala	FEA analysis material extrusion 3D printing (ME3DP) combined with sintering				
AIMTDR_1757253713	Shahid Hussain	Influence of Phase Composition on the Photocatalytic Performance of Titania Powders	Materials	Day 2 E2	L-11	11:15-12:55
AIMTDR_1759557778	ABHISHEK KUMAR GUPTA	Hygrothermal Aging of Glass Fiber-reinforced Polymer Composites				
AIMTDR_1755240104	Dr Anup Malik	Hap-EDCLT Modified Ti6Al4V for Biomedical applications				
AIMTDR_1752323367	Venkateswararao Kuna	Modeling & Simulation: Microwave-Assisted Heating of Charcoal for Cladding				
AIMTDR_1753265300	R. Seetharam	Mechanical and Corrosion Properties of Al–1 wt% Al ₄ CrFeMnTi _{0.25} HEA Composite				
AIMTDR_1753763070	Mohd Rafiq Parray	Failure analysis of Fe-Si magnetic material by directed energy deposition				
AIMTDR_1756807417	Boddepalli Durga Rao	Hardness Evolution of GFRP Composite and Drawing Quality Steel Sheets				
AIMTDR_1760515078	Neelam Venkata Sunil Kumar	Mechanical properties and Moisture Absorption Behaviour of Jute Reinforced Epoxy				
AIMTDR_1753594704	R GANESH NARAYANAN	Twin-Point Clinching: Cold-Rolled Steel and 3D Printed ABS plumer	Forming	Day 2 F2	L-12	11:15-12:55
AIMTDR_1755240558	Sarthak Verma	Role of Pre-cut Square Hole Orientations on Formability During Incremental Flanging				
AIMTDR_1755660710	Neeraj Kumar Prasad	Formability in Incremental sheet forming of Ti alloy curv parts: Characterisation				
AIMTDR_1759748842	Vijay Kumar Sahu	ML-Based Prediction of Hole Expansion Ratio				
AIMTDR_1760332420	RAKESH KUMAR MISHRA	A1100 Workpiece Formability: EMF and Conventional forming				
AIMTDR_1760435196	Ummed Singh	Magnetic Pulse Crimping of AA 1050 Tube with CFRP Rod using Archimedean spiral Coil				
AIMTDR_1760556170	Venkateshwarlu	Multi-Response Optimization of Flow Forming Process Parameters of AA6061 Using Taguchi-Gray				
AIMTDR_1752566140	Ayush Kumar Pandey	Single Point Incremental Forming of Al: Bead-Stiffened Panel and Strength analysis				
AIMTDR_1760527222	A.Gowrishankar	Wear effect of ZrSiO ₄ and TiO ₂ nano additives in glass fibre reinforced epoxy composite	Materials (Short)	Day 2 G2	L-13	11:15-12:55
AIMTDR_1760376008	Akash Patani	Review: Suitability of cladding material and methods for duplex SS				
AIMTDR_1760421363	Udit Kumar	Residual stress measurement of single bead of MIG, Plasma and Induction deposits				
AIMTDR_1760526197	Prathamesh Kawtikwar	Two-Way Shape memory effect in SMAs for bi-directional actuation				
AIMTDR_1759989461	Dr. R. Seetharam	Microstructure: Graphene Hybrid Nanocomposite by Double Ultrasonic Stir Casting				
AIMTDR_1757267615	Ramit Chugh	Review: Advancements and Applications of Nickel-Based Alloys				
AIMTDR_1758560351	SRINIVASA PERUMAL K P	Microstructure of Ceramic Additives Inclusion on Glass Fibre Reinforced Epoxy Composite				
AIMTDR_1759491879	Ambar Choubey	Micro structure and mechanical properties of LDED built bulk Stellite 21 hard facing alloy				
AIMTDR_A_1762750150	Kartikeya Parmar	Defining the Compositional and Thermal Processing Window for Ni-Rich Nitinol				
AIMTDR_1760552956	Noel Dominic	Conductive, Lightweight And Reflective coatings by laser cladding				
AIMTDR_1760511134	MOHAMMAD FAIZAN KHAN	Industrial waste Reinforcement for Copper Composite by powder metallurgy				
AIMTDR_1753704534	PAHULPREET SINGH	Solar Air Heater: Artificial Roughness Geometry Review paper				
AIMTDR_1761219530	Santanu Das	Hot Air AJM by SiC abrasive on Soda Lime Glass				
AIMTDR_1757917940	Dr Pankaj B Gavali	Graphene in EDM for Enhance Machining of Ti6Al4V				
AIMTDR_1749446828	Dr. Bikash Banerjee	Ultrasonic Micromachining on Quartz for Micro-Hole Generation				

AIMTDR_1753113172	Manikandan M	μ-EDM Process on Ni super alloy: Surface Morphology	Micro-Machining (Short)	Day 2 H2	L-14	11:15-12:55
AIMTDR_1756278085	Prince Oliver Horo	Magnetorheological Finishing of Cu Alloy				
AIMTDR_1759941317	Yogendra Kumar Dwivedi	Magneto-rheological Surface Finishing of EN-31 Alloy Steel				
AIMTDR_1757255677	Santanu Das	Machinability Study on AISI 1045 Steel with vegetable oil based SQL cutting fluid				
AIMTDR_1761407403	Dhiraj Bajpai	Specific energy based real time MRR monitoring system in EDM				
AIMTDR_1757743693	Prof. Vyom Sharma	Effects of ECM power parameters for Ti6Al4V				
AIMTDR2025_A_1762232661	Shubham Sadhya	Low-Cost Abrasive Cutting Machine: The effect of rotational speed and feed rate on surface roughness				
AIMTDR_1760894789	Sonu kumar	Review: Low-Pressure Cold Spray Coating Technologies				
AIMTDR_1754477261	Mohit Pandey	Fiber Laser Marking on Stainless steel and Ti-alloy				
AIMTDR_1760348946	Pradyumn Kumar Arya	Functionally Graded Materials by μ-Plasma Dual Powder Additive Manufacturing	Additive Manufacturing	Day 2 A3	L-01	14:00-15:40
AIMTDR_1760573453	Ch Kapil Ror	Parametric effects on bead geometry of WADED brass alloys				
AIMTDR_1752595572	Dr. Poonam Sundriyal	3D Printed MoS2-based Supercapacitors for Flexible Electronic Applications				
AIMTDR_1761281909	Gaurav Sharma	Mechanical and microstructure characteristics of WAAM part without dwell time				
AIMTDR_1760551435	Avinash Gunturu	A Dual Laser Head Strategy For LDED process				
AIMTDR_1760550970	Dharavathu Raja	Local Strength Variations in Friction Stir Additive mfg. of Al-alloy				
AIMTDR_1760552830	Priyanshu Shekhar	ML based prediction of Residual Stress in LPBFIN718 Superalloy				
AIMTDR_1761412722	CH R VIKRAM KUMAR	Mesaurement of bead area of WAAM deposited Cu-coated Mn-Si alloy by image analysis				
AIMTDR_1759852376	Basudeb Rajak	Surface and Mechanical Properties of Monel K500 in WEDM	Surface Engineering	Day 2 B3	L-02	14:00-15:40
AIMTDR_1760019968	Tejanshu Sekhar Sahu	Tribology: WC cutting tool insert by EDM with MoS2 nano particle enriched electrolyte				
AIMTDR_1760508635	DHANANJAYULU AVULA	Dynamic Chemical polishing of LPBF additively manufactured Primitive Lattice Structures				
AIMTDR_1761449637	Sachin Shishodia	Influence of Surface Pretreatment on Diamond Film Growth on p-type Si by Microwave Plasma CVD				
AIMTDR_1760544492	Dibyajeet Pradhan	Surface Polishing of SS by Electrochemcial Plasma Processing				
AIMTDR_1760543879	Mohnish Sahu	Metallization of ABS polymer by using indigenously developed cold spray				
AIMTDR_A_1762431272	Dr. Sarmistha Dhan	Effect of Chromium Interlayer on the Adhesion of DLC Coatings on Ti6Al4V Substrates				
AIMTDR_1760696025	Neelesh Pandharinath Sirdeshmukh	Controlling Wettability through Nanosecond Laser Driven Surface Texture				
AIMTDR_1750243638	Equbal Ahmed	Simultaneous Laser Cutting and Coating for Resource-Efficient Mfg.	Machining	Day 2 C3	L-03	14:00-15:40
AIMTDR_1751518079	Subham Kumar Bhoi	Drilling characteristics of multiple fiber reinforced polymer composites				
AIMTDR_1752064715	Sagathiya Naisarg	Tool insulation on machining ECM milling: 3D Numerical study				
AIMTDR_1753464874	Vinayak M Kannao	Drilling haste alloy: Chip morphology, offsetting axis, Ra				
AIMTDR_1753938651	Smita Padhan	Dry turning of Al7075/SiC/Gr MMC: Effects of machining parameters on Ra and Chip				
AIMTDR_1754071384	Prof. Debabrata Dhupal	Hot AJM: MRR enhancement cutting AlN ceramics				
AIMTDR_1758799030	Arhaan Nawab	Turning by Internally Cooled Cutting Tools				

AIMTDR_1754388084	Sudip Santra	Machining Accuracy in ECD milling of Glass: Quantitative Energy Utilization				
AIMTDR_1760540350	Dr Vikash Kumar	Microstructural and mechanical properties of additive friction stir deposited Al alloy	Materials	Day 2 D3	L-04	14:00-15:40
AIMTDR_1760522387	SREE HARSHA CHOUTAPALLI	Laser-Assisted selective area Doping of 4H-SiC For Piezoresistive Application				
AIMTDR_1760512316	PARTHA PRATIM BORAH	Sequential chemical treatment of Abaca fiber for improved hydrophilicity of produced composite				
AIMTDR_1757415143	POOJA PATIDAR	Microstructue and Mechanical properties of LAM-DED-Processed Ti-Mo alloys				
AIMTDR_1757574687	Abdul Basit Jawaid	Effect of build direction and hot isostatic pressing on DMLS Inconel 718				
AIMTDR_1760547111	Anant Chauhan	Microstructural stability in post-processed thick wall components by submerged arc aditive				
AIMTDR_1760502334	INDRANIL MANDAL	Microstructure, Mechanical and Tribological properties of LDED steels under Magnetic field				
AIMTDR_1760556063	Haroon Fayaz	Quantification Of Anisotropy in additively mfg. steel by 2D DIC analysis				
AIMTDR_1760207233	SAMADRITA CHAKRABORTY	Alignment of Beamline Components of Electron Beam Accelerator: Challenges & Solution	Smart Innovation	Day 2 E3	L-11	14:00-15:40
AIMTDR_1752040807	SUSHIL KUMAR JENA	Eco-Friendly Laser Welding: Advancing Green Technology				
AIMTDR_1757483293	Faisal Talib	An Interactive Robot With Animatronics And Computer Vision				
AIMTDR_1760524423	Abdul Hadi	ML based prediction of UTS Friction Stir Welded AA6061 alloy				
AIMTDR_1761491594	Vivekanand P	Development of Flexible Triboelectric Nanogenerator for IoT enabled Vibration Sensing				
AIMTDR_1760379237	Rashmi Pawar	Enhancing Vehicle Performance by Human–Machine Interaction for Lap Time Reduction				
AIMTDR_1758691334	Harlal Singh Mali	Sustainable Indian Marble Processing Sector: Survey based study				
AIMTDR_A_1762432633	Swati Lambodari	Performance of Rice Husk, Sugarcane Bagasse and Banana Peel Derived Hydrogels in				
AIMTDR_1761558615	Rahul Naidu	Rotary Arrangement for Ultrasonic Tool to Achieve the Continuous Joint by USSAM Technology	Non-Traditional Machining	Day 2 F3	L-12	14:00-15:40
AIMTDR_1760550452	HARPREET SINGH	Microwave-Assisted Joining of ABS–PLA Dissimilar Polymers				
AIMTDR_1760023454	C Arun	Si3N4–TiN Composites Machined by Micro-EDM: SEM-Based Parametric Correlation				
AIMTDR_1760174524	Prakash B	Multi-Criteria Decision-Making for EDM Performance of AlSi10Mg Alloy				
AIMTDR_1760510562	W M Anison James	ANN Optimization of EDM Geometric Accuracy AlSi10Mg Alloy using Cu electrode				
AIMTDR_1760354129	Mohankumar.P.N	Optimization of Palm Oil as a Sustainable DE in EDM of Inconel 718 by Deep learning				
AIMTDR_1760094666	Manikandan M	Tool Wear Prediction by FEA for dimensional accuracy in µ-EDM				
AIMTDR_1760173844	Mukesh.M	Optimization of EDM parameters for Al6082 Composites Using RSM: Tool life,				
AIMTDR_1760443499	AVINASH KUMAR MEHTA	Effect of Process Parameters on EB welded Cu-SS Joint Strength	Welding	Day 2 G3	L-13	14:00-15:40
AIMTDR_1754761213	LALITA PRASAD NAYAK	Friction Stir Welding: Coparing Metal-Nonmetal Dissimilar Joints Using Different Tool Pins				
AIMTDR_A_1762432975	Akhilesh Nag	Process Parameter Optimization: Cold Rolled 0.8 mm Sheets Joined by Resistance Spot Welding				
AIMTDR_1760547791	Rajesh Gorai	Process Characterization of QCW Laser Welding of Battery Interconnects				
AIMTDR_1760348408	Arjun V	Parameter Optimization of Riveted Patch Repair Aircraft Panels for Buckling				
AIMTDR_1761297857	Mayank Patel	Development of an LDR-Based Temperature Monitoring System for GMAW				

AIMTDR_1761416889	Mohammad Arif Khan	Layered Wire-Fed Laser welding of SS: Dry Vs. Underwater				
AIMTDR_A_1761901556	Deepali Choudhari	Correlating Process Parameters to Joint Properties in Ultrasonic Welding of Al 6061				
AIMTDR_1757501944	Sarmistha Dhan	Real-Time Monitoring and Detection of Porosity in Welding				
AIMTDR_1760526312	Nikunjibhai J. Bheda	ML Optimised Deformable Mirror Design Enhanced Low order Abberation Compensation	Design & Robotics (Short)	Day 2 H3	L-14	14:00-15:40
AIMTDR_1760551085	Siddheshwar Khillare	Review: Metamaterial Lattice Structures of Material Extrusion Additive Mfg.				
AIMTDR_1757580693	Rahul Bang	Design and Optimization of Unmanned Aerial Vehicles for FDM				
AIMTDR_1758529624	Harlal Singh Mali	Review: Advanced Hybrid Textile Composites				
AIMTDR_1751954737	BILAL AHMAD	Design and prototyping of a Novel curved sluice gate: Hydropower plant				
AIMTDR_1757665828	Debeshi Dutta	Design and Implementation of a Novel LVDT Sensor Calibration System				
AIMTDR_1761307944	Prof. G. L. Samuel	ROS2-Driven Digital Twin Framework for Autonomous Mobile Robots				
AIMTDR_A_1762433227	S Sri Vaishnavi	SMA based flexible actuators for bio-inspired soft aquatic robots				
AIMTDR_1749027146	Avadesh Yadav	Shape memory ploymer for medical stent				
AIMTDR_1755196528	Avinash Harischandra Kamblw	Micromilling of Nitinol Shape Memory Alloy: Review				
AIMTDR_1759844346	Vaishali Yeole	Chemotherapy Prediction & Treatment Response in Stomach Cancer using ML				
AIMTDR_1747320477	Rubee Singh	AI into Circular Economy & Carbon Footprint: Smart mfg. framework				
AIMTDR_1755148146	Sagar U. Sapkal	TOPSIS Method for Multi-Criteria Optimization in Dual-Nozzle FDM 3D printing	Additive Manufacturing	Day 2 A4	L-01	16:15-17:55
AIMTDR_1755277923	Ashish Sinha	Laser Rescanning on Beads Geometry using IR Laser DED				
AIMTDR_1755350532	Divyansh Patel	Micropatterning via vibration-assisted through-mask electrochemical additive manufacturing				
AIMTDR_1755500782	Rishi Parvanda	Additively manufactured plastic mold for casting EDM tool				
AIMTDR_1755835035	Abhishek Das	Microstructural and Mechanical Behaviours of WAAM Steel - Inconel sandwich				
AIMTDR_1757572108	Shaan Mohammad	Effect of Process Parameters on Dimensional accuracy 3D Printed PLA Parts Using FDM				
AIMTDR_1757774173	Atul Kumar Mishra	Microstructural and Mechanical Properties in LDED Inconel: Scanning strategy				
AIMTDR_1760567126	Senthilkumaran	Part Complexity in Additive Mfg.: Comparison Human Perception Vs Computational				
AIMTDR_1759922861	Shubham Maurya	Design Optimization and Performance Testing 3D Concrete Printing with steel reinforcement	Design & Automation	Day 2 B4	L-02	16:15-17:55
AIMTDR_1760320239	Mohit Law	Vibration Spectrum-Based SpindleHealth Monitoring System for Machine Tools				
AIMTDR_1760419744	Deepak Singh D	Design And Development Of Vibration Fixtures for airworthy Fire Extinguishers				
AIMTDR_1760505322	Arafat Batte Degea	Review: Industrial Manipulator Design				
AIMTDR_1760511628	Parthapratim Barman	Banana Fiber Reinforced Partially Degradable Thermoplastic composite				
AIMTDR_1760522007	Sandeep Kumar	Strength of SLA-printed Grey Resin at Varying Layer Thicknesses for varying liquid				
AIMTDR_1760529130	Manickavasagam M	Numerical and Analytical Investigation Rectangular Steel Tanks under Hydrostatic Loads				
AIMTDR_1757404091	ANUP KUMAR JANA	Optimisation and prediction of mechanical properties of extruded polymer by ML				

AIMTDR_1754495160	RAMEESRAJA V S	Multiple linear regression & optimisation: Turning steel by rapeseed & aloe vera oil MQL	Machining	Day 2 C4	L-03	16:15-17:55
AIMTDR_1754635352	Md Niamot Ali	ECD Micro-Grooving on Cylindrical Glass by different Tool Polarity				
AIMTDR_1760548048	Anurag Singh	Role of operating conditions in microwave machining of Al				
AIMTDR_1755178416	Pushpam Kunal	Novel Al-nanocomposite Drilling: Hole characteristics				
AIMTDR_1756707779	DEEPAK KUMAR SHARMA	Oil Base Nanoemulsions as MQL in Milling of Inconel 718				
AIMTDR_1757495326	B Karthik	Contact angle analysis of surface topographies of EDM SiC mixed tool steel				
AIMTDR_1758714426	Santanu Das	SQL effects on turning Al-15Mg2Si-4.5Si Composite				
AIMTDR_1760876359	Santanu Das	Estimation of Burr Size during Drilling with or without Exit Edge Beveling by ANN				
AIMTDR_A_1762506593	Jagannath Verma	Development of Terracotta Clay-Based Geo-polymer as a Cementitious Binder	Materials Characterisation	Day 2 D4	L-04	16:15-17:55
AIMTDR_1760492302	Partha Saha	Improvement in mech. Properties by reduced graphene oxide in LDED IN718				
AIMTDR_1759730800	Ajay Panthri	Microstudcture and hardness of Laser DED Ti-6Al-4V				
AIMTDR_1760552523	Babu Manikam	Wear characteristics of FeTiO ₃ and SiO ₂ nano particle added glass fiber reinforced epoxy compo.				
AIMTDR_1760419355	Rakesh Reghunath	Mechanical Properties of Barium Titanate Filled CR/BIIR Blends				
AIMTDR_1760515049	SANTOSH AMARAPURE	Development and Tribological Study of hBN/Molybdenum Reinforced LM6 Alloy				
AIMTDR_1755172758	AAKANKSHA BHARTI	Antifriction and Wear characteristics of SiO ₂ nano partele based SN 500 lubricant				
AIMTDR_1760515561	Dr. Vipindas K	Tribological Performance of NanoparticleEnriched Coconut Oil Cutting Fluids				
AIMTDR_1760520231	KATHARI KARUNAKAR	Laser-Induced Microstructures for enhancing Hydrophobicity in Latex Rubber	Laser Material Processing	Day 2 E4	L-11	16:15-17:55
AIMTDR_1760550413	Antash Kishore Sinha	Micrograph laser-engraved limestone for STEM education toy applications				
AIMTDR_1761391905	SUBHASHISH PARHI	Femtosecond Laser Processing for Controlled SiN _x Removal in PERC solar cells				
AIMTDR2025_A_1762235693	Anand Petare	Laser Assisted Cleaning of Titanium Alloy (Ti6AlV4)				
AIMTDR_1761397677	BHANU PRAKASH KOMPELly	Laser cutting of medium-density fibreboard (MDF) material				
AIMTDR_1755073560	Dr. Himanshu Kumar	Laser shock peening: Residual stress of AA7075 alloy				
AIMTDR_1757922168	Anubhav Banerjee	Nature-Inspired and Geometric Laser Texturing Patterns for Improving joint strength				
AIMTDR_1760534173	Manikandan M	Laser assisted surface modification for improving performance of Zinc ion battery				
AIMTDR_1754291344	Akshay Kumar Soni	Twin Roll Casting: Microstructure and Mechanical Behavior of Al-5%Si	Traditional Manufacturing	Day 2 F4	L-12	16:15-17:55
AIMTDR_1760547877	Prasun Kundu	Compressive Deformation and Fracture Behavior of Squeeze-Cast Al-Zn-Mg-Cu Alloy				
AIMTDR_1760251244	Anurag Singh	Stability Prediction in Nonlinear Turning Processes using the Muller Algorithm				
AIMTDR_1754803095	Yogesh Patil	A novel powder bed fusion additive manufacturing for rapid sand casting				
AIMTDR_1761220973	Aniket Mishra	Sustainable Toolpath Design: Bezier curves, NURBS, and B-Spline in CNC milling				
AIMTDR_1756805596	Mohit Agarwal	CoCr L605 Alloy Stent Design Parameters Affecting Radial Strength				
AIMTDR_1761543090	Manoj Kumar Kushwaha	Green Recycling of Aluminum Alloy chips: A Radial Hydraulic Compaction Study				
AIMTDR_1760338387	Vintee Sharma	SiC Clad Layer on Inconel 625 by LDED				

AIMTDR_1759896951	VISHNU S	Cutting Dynamics and Residual Stress of micro-turned nconel 718 by FEM analysis	FE Modeling & Simulation	Day 2 G4	L-13	16:15-17:55
AIMTDR_1760433597	ANKIT TIWARI	Enhancing Ballistic Protection Through Functionally Graded Armour: FEA				
AIMTDR_1760351441	Phul Babu	Bonding stregnth of Honeycomb + Re-entrant Core Sandwich structure lap shear FEA				
AIMTDR_1760504701	Prof. G. L. Samuel	Solid & Hollow Polymeric Microneedles for Biomedical applications: FEM				
AIMTDR_1760346228	Kailash Roy	Development and Verification of CAD models of USM Tools by Reverse Engineering Method				
AIMTDR_1760570539	Senthilkumaran Kumaraguru	New benchmark for Dimentional Accuracy Evaluation in Binder Jetting				
AIMTDR_1760435387	Deepanshu Srivastava	Retrofitting of existing Lathe Machine to CNC Lathe using Mach3 interface				
AIMTDR_A_1764838929	Prince Anand	Analytical Evaluation and Experimental Validation of Cutting Force in Micro Facing Operatio				
AIMTDR_1760552851	Bikram Keshari Khandai	Effect of red and green laser on mech. Properties of LPBF additively manufactured copper parts	Composites & Alloys (Short)	Day 2 H4	L-14	16:15-17:55
AIMTDR_1760518938	SANJAY NIVRUTTI MORE	Review: Hybrid Composites for Lightweight automotive structure				
AIMTDR_1759420489	Ritesh Hazra	Laser Micro Grooving on Al-15%Mg2Si-4Si and Al-20%Mg2Si-4Si MMCs				
AIMTDR_1760520267	Satish Chaurasia	Micro-Machining of Nitinol SMA for Biomedical implants: surface morphology & wettability				
AIMTDR_1760335294	VIVEK ANAND	Review: Emerging Alternatives in Flexible Pavements and Their Performance cost Ratio				
AIMTDR_1755072857	SUBHASH KUMAR	Effect of Deposition Temperature on Electroless Ni-B-Sn Coating				
AIMTDR_1754837623	Dr. Mukund Arun Patil	Energy Harvesting Performance Terfenol-D and Galfenol-D: COMSOL simulation				
AIMTDR_1760524423	Abdul Hadi	ML based prediction of UTS Friction Stir Welded AA6061 alloy				
AIMTDR_1755972282	Shubhangi Saxena	Agricultural Waste into Productive Reuse: Curb Stubble Burning				
AIMTDR_1760639441	Sudipta Halder	CFRP Embedded Healable & Thermoformable Vitrimer Laminated Composites				

Day-3

Paper ID	Author	Brief Title	Theme	Session	Class Room	Time
AIMTDR_1756210394	HARI NARAYAN SINGH	Comminuted pelvic fracture reconstruction by customized implants by Additive mfg.	Additive Manufacturing	Day 3 A5	L-01	11:15-12:55
AIMTDR_1760516505	PEERAJ MAZUMDER	Electrochemical Surface Finishing for Enhanced Surface Integrity of WAAM Inconel 82 Parts				
AIMTDR_1759900889	Arun Kumar	Review: Role of Additive Manufacturing in Humanitarian Emergencies				
AIMTDR_1760377724	DEEPAK KUMAR GUPTA	Effect of Pulse Current on Bed, microstructure, mechanical of WAAM ER70S-6 MS				
AIMTDR_1760520566	VIKASH KUMAR SRIVASTVA	Investigation of Bead Quality in Inconel 718 by LDED				
AIMTDR_1760553023	Bhukya Bhavana	Effects of Ultrasonic Vibrations & Laser Modulation on Mechanical Properties of Inconel718 LDED				
AIMTDR_1757936469	Chaitany Chandrakant Mhatre	Jetting System Iteration for Sub-Zero Additive Manufacturing (SZ-AM)				
AIMTDR_1749641925	Dr Deepak Kumar Naik	Numerical investigation process parameter for ABS-M30i bio-material by FDM				
AIMTDR_1761291489	Mukul Raj Ghunawat	Digital Shadow Development for real-time monitoring of Laser Micro 3D printing	Micro-machining	Day 3 B5	L-02	11:15-12:55
AIMTDR_1760456096	Souvik Das	Accuracy of Ti6Al4V Thin-wall produced by High Speed Micromilling				
AIMTDR_1748240792	K VISHNU KASHYAP	Nano Finishing Cu: Magneto-Rheological Polishing				
AIMTDR_1751694424	Moshahid Raza	Chemo-mechanical Magnetorheological Finishing surface Biocompatible Polymer				
AIMTDR_1755242322	Saumya Kanwal	Fabrication and Performance Evaluation Polyurethane-SiC tool for Surface Finishing				
AIMTDR_1755342121	Ved Prakash Jha	Magnetorheological Finishing of Al curved surface: ML optimisation				
AIMTDR_1761398748	Khushboo	Effect of Micro Dimple Geometry on surface integrity of Micro Milled Steel				
AIMTDR_1761568424	Vivek Singh	A Square Ring-Shaped Force Transducer for Precision Applications: Design and Numerical nalysis				
AIMTDR_1752818413	Dr. K. Ponappa	Stent Implantation: comparison between Carreau and Power-Law Models	Fluid / CFD / Thermal	Day 3 C5	L-03	11:15-12:55
AIMTDR_1761402078	Akash Shaji	Flow Behavior of Herschel-Bulkley Inks in Direct Ink Writing: CFD Analysis of Nozzle Geometries				
AIMTDR_1758171115	Abhishek Thakur	Novel Bidirectional Pump for High-Viscosity Magnetorheological Machining Processes				
AIMTDR_1759930249	Mohit Law	Exploring the damping potential of a viscous oil-filled boring bar				
AIMTDR_1760429661	Gayatri Paul	Rheological Properties of Ball Milled Graphene Oxide Dispersed Nanofluids				
AIMTDR_1760547240	Sutonu Oraon	Engineering thermal conductivity of Inconel by adding YSZ via Laser DED				
AIMTDR_1750669356	SHARAD RAJARAM VALVI	Square Mesh Formation via Fractal Fingering in a Lifting Plate Hele-Shaw Cell				
AIMTDR_1754757137	ASHISH YADAV	Review: Laser Polishing of Ti6Al4V for Biomedical Applications	Machining	Day 3 D5	L-04	11:15-12:55
AIMTDR_1754904960	Anant Kumar Singh	Magnetorheological Finishing of 3D-Printed Plastic molds for mirrors and lenses				
AIMTDR_1759312543	Saurabh Gharat	Process parameters selection for texturing through unconventional milling of complex shape				
AIMTDR_1759313423	Ranveer Singh	EDM of Boron Carbide (EB4C) Ceramic Pellets Used in FBTR Absorber Rods				
AIMTDR_1759727321	Debottam Bhowmik	Machinability of WAAM Functionally Graded Material via High-Speed Micromilling				
AIMTDR_1759839509	A KANNAN	Sustainable cooling on SCE (sp. Cutting energy) of turning of Ti-6Al-4V ELI alloy				
AIMTDR_1759945432	Partha Saha	Wire EDM of Sintered Open-Cell Titanium Foam				
AIMTDR_1761409302	Muruga Prabu U	Modelling diffusive and adhesive tool wear in machining of Ti6Al4V				

AIMTDR_1751974399	Dr. Deepak Kumar Yaduwanshi	Friction Stir Welding of Dissimilar Cu-Al Joint	Welding	Day 3 E5	L-11	11:15-12:55
AIMTDR_1760552083	Yashpal Singh	Joining of PFRR Polyethylene Composites Using Hot Plate Welding				
AIMTDR_1757214109	Gurinder Singh Brar	Friction Crush Welding of Al-MS parametric study				
AIMTDR_A_1761901556	Deepali Choudhari	Correlating Process Parameters to Joint Properties in Ultrasonic Welding of Al 6061				
AIMTDR_1757919669	Viren Parikh	Al-Cu Lap Joint Through Friction Stir Welding				
AIMTDR_1758448029	Dr. Raju Prasad Mahto	PSO and TLBO for Multi-Objective Optimization in Laser Welding of Ti-6Al-4V				
AIMTDR_1760288136	Rajdev Singh	Laser welding of Al-Cu: Effect os pulse energy				
AIMTDR_1760382114	Santanu Das	Optimal TIG Welded Joint of Al-7.7%SiC MMC by AHP				

AIMTDR_1760548828	Saranya E	Optimization of Micro-EDM process parameters for Si ₃ N ₄ -TiN by ANN and TLBO	Engineering Technologies	Day 3 F5	L-12	11:15-12:55
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AIMTDR_1757866177	Deep Singh	AI-Driven IMU Sensor Fault Diagnostics for Reliable Robotic Operation				
AIMTDR_1760552472	Nirmal Garg	Experimental Investigations into tribological behaviour of dry lubricated polymer journal bearing				
AIMTDR_1759824886	Mahesh Daud	Review: Smart knee implants				
AIMTDR_1760499374	Iltefat Quraishi	Adoption of Industry 4.0 Technologies for Productivity Improvement in Manufacturing Systems – A Review				
AIMTDR_1754393079	Abhay Kumar Dubey	Physics Guided Neural Network for Predicting Final Wall Thickness in Incremental Sheet Forming				
AIMTDR_1753851199	Dr M Sreekumar	AI-Human Digital Twin: Performance & Prognostics of Legacy Machines				
AIMTDR_1760534721	Chandan.G	Basalt-Carbon Fiber Reinforced Polyamide Hybrid Composite for Hydrogen storage	Composite	Day 3 G5	L-13	11:15-12:55
AIMTDR_1760534468	Sauveer Kumar	Physical and Flammability Performance of Kenaf/Pine Needle/Citrus Limetta Peel Epoxy composite				
AIMTDR_1761104496	UMANG DUBEY	Progressive Damage Analysis of Open-Hole Flax Epoxy Composites: Strength				
AIMTDR_1752395260	Ankit Dhar Dubey	3D-Printed Woven Glass Fiber Reinforced Polymer Composites: Fatigue Performance				
AIMTDR_1760546899	Mustafiz Ahmad	Analysis of the Performance of EMDed MMC				
AIMTDR_1760013031	Dr. Harshit K. Dave	Statistical evaluation of pressureless sintering of copper pins made by 3D Printed clay moulds				
AIMTDR_1761549165	Dr. V S Sooraj	Performance Study of Sweating type, In-Situ Cooled Grinding Wheel: via Additive Manufacturing				
AIMTDR_1761200371	Dr. Sushil Kumar	Electrochemical corrosion of Ni-based superalloy after plasma electrolytic polishing				
AIMTDR_1760549764	Balaji C	Analysis of mixing performance of T-shaped micromixers with slanted cavities	Sustainable Materials (Short)	Day 3 H5	L-14	11:15-12:55
AIMTDR_1759983855	JAYARAM C SASI	Machinability of XH67MBTHO: Tool wear chracteristics				
AIMTDR_1760536993	Venkatesh K	Ag nanoparticles from fruit extract: catlytic activity for dye degradation				
AIMTDR_1760543132	JINO	Nanomechanical Characterization of L-PBF Ti64 using Depthsensing indentation				
AIMTDR_1760550588	Ved Prakash Jha	Magnetorheological Finishing of High Performance Aluminum Mirrors				
AIMTDR_A_1758800564	Manisha Singh	Environmental Kuznets Curve in India: Role of Renewable Energy, FDI, and Industry 4.0				
AIMTDR_1757740074	RUKAIYA AZMA	Core-ring mode laser with beam wobbling for copper-steel battery interconnects				
AIMTDR_1760508186	Abhishek Ayushya	Fluorinated Laser Induced Graphene film for Hydrophobic application				
AIMTDR_1761239709	Rahul Honkalas	Thermal Behaviour of Industrial Worm Gear Set				
AIMTDR_1760546813	Pilli Abhishek	Effect of Defect Size & Location on the Fatigue life of LPBF Ti6Al4V				
AIMTDR_1760521464	B A PATIL	Conceptual Design and Optimization Carbon-Fiber Monocoque Chassis in EV				

AIMTDR_1760552974	Dr. DEVEE PRASAD KARANAM	Structural Integrity Evaluation of Wire Arc Additive Manufacturing Process	Additive Manufacturing	Day 3 A6	L-01	14:00-15:40
AIMTDR_1761195097	RAVI RANJAN	Nozzle Angle Influence on SS Powder Distribution by micro-plasma arc-based metal AM				
AIMTDR_1755181751	DR. SANKET KASTURIWALA	Automatic Material Selection In Additive Manufacturing: A Comprehensive Review				
AIMTDR_A_1764328157	Anshul Vijaywargiya (Dr Dan Sathiaraj)	Laser Shock Peening of Additively Manufactured NiTiCu Shape Memory Alloy: A Study on Microstructure and Tribo-Mechanical Properties				
AIMTDR_A_1764328571	Rajendra Goud (Dr Dan Sathiaraj)	Development of Ni-Ti shape memory alloy using a novel GMAW-based Twin Wire Arc Additive Manufacturing method				
AIMTDR_A_1764414094	Kundan Singh Barman (Dr Dan Sathiaraj)	Development of CoCrNi Medium Entropy Alloy via Twin Wire Arc Additive Manufacturing				
AIMTDR_A_1764414591	Vivek Singh (Dr Dan Sathiaraj)	Effect of Heat Input on the Microstructural and Mechanical Properties of ER309L Cladding on ASTM A-516 Grade 70 Steel using GMAW process				
AIMTDR_1760366177	TUBIN MANUEL	Fabrication and Characterization of MMCs Visco-elastic Materials	Manufacturing Technology Design and Research	Day 3 B6	L-02	14:00-15:40
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AIMTDR_1760536653	Pushpendra Kumar	Effect of Laser Power on Micro-hardness in in Laser Surface Treatment of MS				
AIMTDR_1760418157	Arjun Singh Patel	The effect of rolling friction on vibro-impact damped boring bars				
AIMTDR_A_1765259419	Pranali Rao	Microscale unit cell calculations of ductile failures considering secondary voids				
AIMTDR_1761288587	Prof. G. L. Samuel	Digital Model for Autonomous Mobile Robot in Smart Factory Test Bed				
AIMTDR_1754383670	Rahul Bhedasgaonkar	Machinability Aspects Study in MQL Assisted Sustainable Machining of Hardened AISI 4340				
AIMTDR_1757503414	Dr. Rakesh Kumar Gunda	Experimental Studies and Optimization of Turning parameters of Aluminum 6061 Using Taguchi methodology and ANOVA	Innovative Technologies (Short)	Day 3 H6	L-14	14:00-15:40
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AIMTDR_1760519766	VISHNU VARMA KAMANURI	Investigation on Graphene fabrication through Laser processing				
AIMTDR_1760547491	Pranav R	Design and Simulation of a Modular 75 kWh Lithium-Ion Battery Pack with Hybrid Thermal Management for 100 BHP Electric Vehicles				
AIMTDR_1761568886	Vivek Singh	Enhancing Weldability of Hastelloy C-276 Using Activated TIG Welding				
AIMTDR_1761584791	Arun Binu	Optimisation of Process Parameters for Laser Powder Bed Fusion of H13 Steel				
AIMTDR_A_1764413925	Gorle Kapila (Dr Dan Sathiaraj)	In situ Wire Arc Additive Manufacturing of Shape Memory Alloys				
AIMTDR_A_1764414232	Sasiedharan R (Dr Dan Sathiaraj)	Laser Wire Additive Manufacturing of NiTiCu Shape Memory Alloys				
AIMTDR_A_1764414734	Bishub Choudhary (Dr Dan Sathiaraj)	RSM–ABC Optimization of GMAW Parameters for Optimal Weld Bead Geometry in AISI 201				



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