



ASME Paper Number	Submitting Author Name	Video	Paper Title
MSEC2020-8475	Shanshan Zhang	Yes	Powder Thermal Conductivity Measurements in L-Pbf Using Powder-Included Build Specimens: Internal Geometry Effect
MSEC2020-8486	Guha Manogharan		Towards Defect-Free Marine Grade Alloy Castings via Hybrid Additive Manufacturing
MSEC2020-8427	Xi Vincent Wang		Safety Strategy in the Smart Manufacturing System: A Human Robot Collaboration Case Study
MSEC2020-8584	Alejandro Najera-Acosta		Reliability-Based Spare Parts Management
MSEC2020-8205	Rachel Tham		Electrodepositing Switchable Photovoltaic Window Electron and Hole Transport Layers
MSEC2020-8208	Gurinder Singh Brar		Optimization of Friction Crush Welding of Two Dissimilar Metals - Aluminium 6061 T-6 and Stainless Steel Aisi 304
MSEC2020-8209	Kun Fu		Additive Manufacturing of Three-Dimensional Multiscale Carbon Architectures
MSEC2020-8478	Ketan Thakare		Experimental Investigation of Alginate-Methylcellulose Composition and Printing Direction on Dimensional Accuracy of 3d Printed Constructs
MSEC2020-8261	Hao Yan		Edge Computing Accelerated Defect Classification Based on Deep Convolutional Neural Network With Application in Rolling Image Inspection
MSEC2020-8210	Y. Lawrence Yao		3d Laser Forming of Metal Foam Sandwich Panels
MSEC2020-8334	Zhutian Xu		Paper withdrawn at request of author A Study on the Fabrication of Large-Area Surface Micro Features by Utilizing the Roll-to-Plate Micro Imprinting Process
MSEC2020-8211	María Rodríguez		Opening a Window for Startups in Chile: An Initial Study on the Use of Fdm for Injection Molding in Small Manufacturing Batches for Plastic Casings
MSEC2020-8372	Elizabeth Mamros		Analytical Investigation of Varying Deformation Paths Using Microtube Inflation and Axial Tension
MSEC2020-8329	Arda Gozen		Fused Filament Deposition of Silicone Blends With Tunable Mechanical Properties
MSEC2020-8213	Shalin Marathe		Study on Forming Behaviour of Friction Stir Welded Blanks During Single Point Incremental Forming (Spif) Process
MSEC2020-8332	Changxue Xu		Fabrication of a Graded Micropillar Surface for Guided Cell Migration
MSEC2020-8340	Cameron Devine		Spatially-Constant Material Removal Control Under Variable-Speed Robotic Sanding
MSEC2020-8240	Dong Min Kim		Paper withdrawn at author's request Predictions of Cutting Force in Bone Drilling Process Based on the Three-Dimensional Finite Element Method
MSEC2020-8481	Laura Jerpseth		Experimental Investigation of Effects of Extrusion Pressure on Cell Growth of Bioprinted Algae Cells in Green Bioprinting
MSEC2020-8217	Elham Mirkoohi		Microstructure Affected Residual Stress in Direct Metal Deposition
MSEC2020-8224	Shailesh Shirguppikar		Performance Analysis of Multi Wall Carbon Nanotubes (Mwcnts) Coated Tool Electrode During Machining of Titanium Alloy (Ti6al4v)
MSEC2020-8293	Anastasiia Fursova		Study on the Thermal Expansion Effects of the 3d Printed Space Instrument
MSEC2020-8219	Xueping Zhang		A Hybrid Physical Model Based Artificial Neural Network Approach to Predict Surface Texture in the Honing of Engine Cylinder Bore
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MSEC2020-8356	Jianfeng Ma		Numerical Simulation and Experiment Validation of Water Jet Machining of Ti-6al-4v
MSEC2020-8220	Xueping Zhang		Molecular Dynamics Study on the Machining of Titanium
MSEC2020-8230	Yi Shi		Generation of Surfaces With Isotropic and Anisotropic Wetting Properties by Curved Water Jet Guided Laser Micro-Machining
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MSEC2020-8405	Usharani Rath		Computational Study of Solvent Based Extrusion 3d Printing
MSEC2020-8260	Xiangyang Dong	Yes	Effects of Processing Conditions on Laser Direct Deposited Alumina Ceramics
MSEC2020-8225	Numpon Mahayotsanun		Energy Consideration in the Micro-Extrusion of Aluminum Alloy 6063
MSEC2020-8300	Chaitanya Krishna Vallabh		In-Situ Monitoring of Laser Powder Bed Fusion Process Anomalies via a Comprehensive Analysis of Off-Axis Camera Data
MSEC2020-8517	Ping Guo		Of-Net: Deep-Learning Based Sub-Pixel Optical Flow Estimation With Multi-Scale Convolutional Neural Network
MSEC2020-8526	Hannah Budinoff	Yes	Comparison of Real-Time Geometric Analyses to Predict Warping Deformation in Fused Filament Fabrication
MSEC2020-8231	Jiafu Xue		Research on Positioning Error Analysis and Compensation Experiment of the Dual-Driving Feed Worktable
MSEC2020-8255	Narayan Sundaram	Yes	Simulation of Complex Plastic Flows in Machining of Metal Polycrystals Using Remeshing
MSEC2020-8250	Changlin Liu		Molecular Dynamic Simulation of Micro-Structured Diamond Tool in Silicon Carbide Cutting
MSEC2020-8256	Yu-Jun Xia		Expulsion Intensity Monitoring and Modeling in Resistance Spot Welding Based on Electrode Displacement Signals
MSEC2020-8244	Kyosung Choo	Yes	Thermal Stress Simulation Model of Dissimilar Linear Friction Welding (Lfw) Technology for Manufacturing of Bi-Metallic Biomedical Implants
MSEC2020-8272	Donggang Yao		Modeling and Simulation of the Phase Coarsening Process for Cocontinuous Polymer Blends
MSEC2020-8419	Felicia Fashanu	Yes	Review of Additively Manufactured Metal Implants and Surface Finishing
MSEC2020-8548	Kamyar Raoufi		Environmental Impacts of Competing Metal Additive Manufacturing Processes
MSEC2020-8369	Radu Pavel		Fundamentals in Metal Plasticity: From the Initial Contact to Non-Stationary, Dynamic Chip

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MSEC2020-8251	Jinyang Ke		Experimental Investigation of the Machinability of Single Crystal Silicon in Laser-Assisted Diamond Cutting
MSEC2020-8236	Lingyan Wang		Improved Local Mean Decomposition for Vibration-Based Machinery Fault Diagnosis
MSEC2020-8235	Xu Song	Yes	Micro Selective Laser Melting of Niti Shape Memory Alloy: Effects of Process Parameter and Post Heat Treatment
MSEC2020-8237	Bowen Liu		Detection Scheme of Volume of Repair of Engineering Equipment Based on Line Structured Light
MSEC2020-8238	Qiunan Meng		A Stochastic Optimization Model for a Joint Pricing and Resource Allocation Problem
MSEC2020-8434	Yong Chae Lim		Mechanical and Corrosion Assessment of Friction Self-Piercing Rivet Joint of Carbon Fiber-Reinforced Polymer and Magnesium Alloy Az31b
MSEC2020-8243	Yu Jin		Quickest Change Point Detection in Shape Inspection of Additively Manufactured Parts Under a Multi-Resolution Framework
MSEC2020-8246	Weilong Cong		Delamination in Surface Machining of Cfrp Composites Using Rotary Ultrasonic Machining With Horizontal Ultrasonic Vibration
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MSEC2020-8245	Luke Walker	Yes	Effect of Insert Material on Microstructure and Strength of Aluminum Alloy to Zinc-Coated Steel Dissimilar Metal Weld
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MSEC2020-8321	Feng Ju		A Novel Real-Time Thermal Analysis and Layer Time Control Framework for Large Scale Additive Manufacturing
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MSEC2020-8269 MSEC2020-8453	Yong Chen		Non-contact, Continuous, Synchronized, Coshie Endor Let mickness from weatherness by Surface Medicing Tool Family Synchronized, Coshie Authorized, Coshie Medicing Synchronized, Coshie Coshie State Coshie Medicing Synchronized, Coshie
MSEC2020-8403 MSEC2020-8306			Parallel Printing of Metals at Micro/mesoscale Using Localized Electrodeposition
	Md Emran Hossain Bhuiyan		Dynamic Mechanical Analysis of Abs From Hybrid Additive Manufacturing by Fused Filament Fabrication and Shot Peening
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MSEC2020-8295	Cheng Zhu		Data-Enabled Modeling and Performance Evaluation of Multistage Serial Manufacturing Systems With Quality Rework
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			Experiment Data
MSEC2020-8273	Pengfei Pan		Research on Chip Formation Mechanism of Laser-Assisted Machining of Fused Silica Based on Variable Laser Angle
MSEC2020-8402	Gloria Wiens		Human-Robot Collaboration in Smart Manufacturing: Robot Reactive Behavior Intelligence
MSEC2020-8274	Melih Yesilli	Yes	On Transfer Learning of Traditional Frequency and Time Domain Features in Turning
MSEC2020-8290	Qin Ye		Inter-Cell Scheduling Optimization With Limited Transportation Capacities for Optimization of Vehicle Numbers
MSEC2020-8257	Xiangyang Dong	Yes	Feasibility and Characterization of Large-Scale Additive Manufacturing With Long Fiber Reinforced Composites
MSEC2020-8258	Christopher Martin		Semiconductor Aspects of the Oxyfuel Cutting Torch Preheat Flame Part I: Measurements Between Torch and Work
MSEC2020-8271	Manas Das		Exploration of Finishing Capability of Developed Polishing Tool in Hybrid Magnetic Field Assisted Finishing Process to Finish Complex Freeform
			Surfaces of Femoral Component of Prosthetic Knee Joint
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MSEC2020-8263	Tao Peng		Smart Agent-Based Priority Dispatching Rules for Job Shop Scheduling in a Furniture Manufacturing Workshop
MSEC2020-8280	Satish Mullya	Yes	Observation at the Interelectrode Gap of Micro Electric Discharge Milling
MSEC2020-8407	Jae Gyeong Lee		Withdrawn at author request - Multi-Functional 3d Curvilinear Self-Folding of Glassy Polymers
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MSEC2020-8269	Yunli Xu		Research on Intelligent Optimization Algorithm for Multi-Objective Disassembly Line Balancing Problem
MSEC2020-8277	Haihong Huang	Yes	lot Based Energy Efficiency Monitoring in Stamping Workshop
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MSEC2020-8410	David Deisenroth		Effects of Shield Gas Flow on Meltpool Variability and Signature in Scanned Laser Melting
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MSEC2020-8281	Guixiu Qiao		Advanced Sensing Development to Support Accuracy Assessment for Industrial Robot Systems
MSEC2020-8278	Harish Singh Dhami		On the Formation of Spherical Particles in Surface Grinding
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MSEC2020-8312	Guokai Liu		A Broad Transfer Learning Algorithm for Classification of Bearing Faults
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MSEC2020-8294	Bashir Khoda	Yes	Fiber Filled Hybrid Hydrogel for Bio-Manufacturing
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MSEC2020-8308	Eldar Shakirov	Yes	Simulating the AM Production Facility: a Configurable Software Tool for Strategic Facility-Level Planning
		1 68	An Experimental Study on Additive Manufacturing Reliability: Impact of Material Aging on Stereolithography
MSEC2020-8313	Lin Li		In-Situ Characterization of Pore Formation and Evolution in Laser Powder Bed Fusion
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MSEC2020-8316	Anthony Okafor		Evaluation of Soybean Oil-Based Mql as Potential Replacement for Emulsion Flood Cooling Strategy for High-Speed Face Milling of Inconel 718

MSEC2020-8319	Ruixiong Hu		Finite Element Formulation for Modeling Laser Processing
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MSEC2020-6362 MSEC2020-8330	Yong Huang		Nanoclay Suspension-Enabled Extrusion Printing of 3d Soft Structures for Biomedical Applications
		_	
MSEC2020-8403	Lisa Dewitte	V	Initial Process Planning of a Hybrid Multi-Tasking Platform Verification of a Novel Position Verification Sensor to Identify and Isolate Robot Workcell Health Degradation
MSEC2020-8484	Brian Weiss	Yes	
MSEC2020-8333	Lin Li		Demand Response for Sustainable Manufacturing Systems Considering Buffer Content Utilization
MSEC2020-8450	Chuang Qu	Yes	Fabrication of Nanochannels Using Glancing Angle Deposition With Line Seeds
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MSEC2020-8383	Changjiu Xia		Position-Dependent Geometric Errors Identification for Rotary Axis Based on Single-Axis Motion Measurement and Full-Rank Identification Matrix
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MSEC2020-8348	Sagil James		Study of Aging Heat Treatment Parameters for 7050 and 7075 Aluminum Alloys
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MSEC2020-8353	Yang Li		Method for Obtaining Light Curing Printing Condition Based on New Theoretical Description
MSEC2020-6352 MSEC2020-8391		Vac	intention for Columning Light Coling Finning Confidence and on the Mindelling Description Production of Medium-Scale Metal Additive Geometry With Hybrid Manufacturing Technology
	Kyle Saleeby	Yes	
MSEC2020-8359	Muhammad Jahan		Machining of Through Holes in Non-Conductive Aluminum Nitride Ceramic Using Electrical Discharge Machining Process
MSEC2020-8354	Rajiv Selvam		Optimisation of Process Parameters for Electromagnetic Forming of Aa6101 Tubes
MSEC2020-8357	William Emblom		Friction Stir Forward Extrusion: Small Scale Tooling Development and Preliminary Test Results
MSEC2020-8480	Ketan Thakare		Experimental Investigation of Effects of Needle Diameter on Algae Cell Growth in Green Bioprinting
MSEC2020-8521	Ketan Thakare		Preliminary Investigation of Removing Copper Contamination From Water Using Algae
MSEC2020-8355	Yongkui Liu		A Framework for Industrial Robot Training in Cloud Manufacturing With Deep Reinforcement Learning
MSEC2020-8412	Weilong Cong		Laser Engineered Net-Shaping In-Situ Synthesis of Niti Alloy: Effects of Processing Parameters
MSEC2020-8375	Jay Raval		Effect of Oil Flow Rate on Production Through-Tool Dual Channel Mql Drilling
MSEC2020-8361	Md Naim Jahangir		Enhancing Conductivity in 3d Bulk-Embedded Electronics
MSEC2020-8365	Jason Ratay		Characteristics of Diamond Abrasive Used in Magnetic Abrasive Finishing of Nickel-Based Superalloys
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MSEC2020-8399	Yanan Jiang		Human-in-Cognition Manufacturing-Loop (Hcml): Framework and Technologies
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MSEC2020-8371	Radu Pavel		Fundamental Process Mechanics Common to Machining and Grinding Operations
			Paper withdrawn at author's request Effects of Build Orientation on Mechanical Properties of Curved-Surface Alsi10mg Alloy Fabricated by Powder
MSEC2020-8466	Fuda Ning		Bed Fusion Additive Manufacturing
MSEC2020-8374	Mostafa Bedewy		Bio-Inspired Self-Folding of Shape Memory Polymer Sheets by Laser Rastering
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MSEC2020-8376	Rachid MSAOUBI		The Formation of Shear Bands in Machining and Their Microstructural Characteristics
MSEC2020-8386	Yue Wang	+	4d Bioprinted Micropatterned Cardiac Tissue
MSEC2020-6380 MSEC2020-8377	Garrett Mcgrady	+	Dual Extrusion Fdm Printer for Flexible and Rigid Polymers
MSEC2020-8479	Tianshu Dong		Laser Sharpening of Carbon Fiber Microelectrode Arrays for Brain Recording
MSEC2020-6479 MSEC2020-8378	Garrett Mcgrady		Laser Snapering or Carbon Fiber Minicelectrod Arrays to Family Recording Embedded Sensing Capabilities in an Fdm Printed Object
		-	3d Printing of Flexible and Stretchable Parts Using Multiwall Carbon Nanotubes/polyester-Based Thermoplastic Polyurethane
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IVIOEUZUZU-0309	Samuel Kersten		ir arametric Study and Multi-Ontena Optimization in Laser Directed Energy Deposition of 3101 Stainless Steel

MSEC2020-8390	Zhenghui Sha		Multi-Robot Path Planning for Cooperative 3d Printing
MSEC2020-8380	Sagil James		Design Framework for Preparing Workforce Towards Industry 4.0 Implementation in Small and Medium-Sized Enterprises
MSEC2020-8381	Rohan A. Shirwaiker		Anisotropic Fibrous Scaffold Fabrication Using High-Throughput 3d Melt Blowing
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MSEC2020-8387	Tao Peng		Order Fulfilment Progress Estimation for Collaborative Manufacturing Enabled by Industrial Internet of Things
MSEC2020-8491	James Mann		Applications of Machining in Materials Manufacturing
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MSEC2020-8385	Xinvi Xiao		Decomposition and Sequencing for a 5-Axis Hybrid Manufacturing Process
MSEC2020-8393	Austen Thien		lot Devices and Applications for Wire-Based Hybrid Manufacturing Machine Tools
MSEC2020-8468	Weihong Guo		Deep Learning-Based Data Fusion Method for In-Situ Porosity Detection in Laser-Based Additive Manufacturing
	Welliong Guo		Identification of Young's Modulus and Equivalent Spring Constraint Boundary Conditions of the Object With Incomplete Displacement Boundary
MSEC2020-8396	Yong Lei		Conditions
MSEC2020-8461	Martin Jun		Simulation and Characterization of Cold Spray Deposition of Metal Powders on Polymer Substrate Electrically Conductive Application
MSEC2020-8395	K M Anamul Hossain		Analysis of a Multi-Material Bone Plate and Its Effect on Interfragmentary Strain for Bone Remodeling Process
MSEC2020-8502	Yunze Li		Laser Engineered Net Shaping of Graphene Oxide Reinforced Titanium: Effects of Reinforcement and Laser Power
MSEC2020-8404	Fuji Wang		Additive Manufacturing of Continuous Carbon Fiber Reinforced Thermoplastic Composites: An Investigation on Process-Impregnation-Property Relationship
MSEC2020-8534	Catalin Fetecau		Prediction and Optimization of Surface Roughness and Cutting Force in Turning of Uhmwpe by Using Taguchi Design, Response Surface
			Methodology and Neural Networks
MSEC2020-8477	Danming Wei		Design and Evaluation of Human-Machine Interface for Nexus: a Custom Microassembly System
MSEC2020-8413	Tsz Ho Kwok	Yes	Toolpath Generation for Additive Manufacturing Considering Structural Performance
MSEC2020-8435	Mark Allen		Design and Signal Processing of a Wearable Shear Force Sensor Utilizing Capacitance and Resistance Modes
MSEC2020-8452	Keivan Ahmadi		Structural Nonlinearity of Robotic Machining Systems
MSEC2020-8445	Aman Nigam		Investigation of In-Situ Surface Polishing for Fused Filament Fabrication
MSEC2020-8440	Thurston Sexton		Msec: A Quantitative Retrospective
MSEC2020-8474	Bashir Khoda	Yes	Dindon: Micro to Mesoscale Metal Lattice Structure Fabrication With Continuous Thin Rod.
MSEC2020-8416	Luis Escano		Revealing Particle-Scale Powder Spreading Dynamics in Powderbed- Based Additive Manufacturing Process by High-Speed X-Ray Imaging
MSEC2020-8447	Kuldeep Mandloi	Yes	Discrete Element Modeling of Scraping Process and Quantification of Powder Bed Quality for SIm
MSEC2020-8489	Pinal Rana		Multi-Objective Optimization of Wire Electrical Discharge Machined Ultra-Thin Silicon Wafers Using Response Surface Methodology for Solar Cell Applications
MSEC2020-8420	Lei Chen		Computer-Aided Design and Additive Manufacturing of Custom Silicone Prosthetic Finger
MSEC2020-8420 MSEC2020-8422	Chandra Sekhar Rakurty		Subpater Ariaba Besign and Adultive Minimaterian of Statement Frosthetic Finger Vibration Assisted Bandsaw Blade: Tool Tribological Effects
MSEC2020-8422 MSEC2020-8426	Martin Byung-Guk Jun		Vibration Assisted Database Da
MSEC2020-8426 MSEC2020-8448	Ethan Wescoat		The Effect of Assembly Instructions and Part Organization on Assembly Time and Process Variation
		-	The Effect of Assembly Instructions and Part Organization of Assembly Time and Process variation Study of Droplet Diffusion in Hydrothermal-Assisted Transient Jet Fusion of Ceramics
MSEC2020-8423	Xuan Song		Deformation Behavior of Grains Near Defects in Direct Metal Laser Sintered Inconel 718 During Indentation
MSEC2020-8442 MSEC2020-8443	Saurabh Basu	Yes	
	Weiling Wen		Corrosion Evolution in Al/steel Dissimilar Joints
MSEC2020-8454	Hao Yan	Yes	Simultaneous Material Microstructure Classification and Discovery via Hidden Markov Model via the Acoustic Emission
MSEC2020-8432	Keyvan Safaei Baghbaderani		Mechanical Evaluation of Selective Laser Melted Ni-Rich Niti: Compression, Tension, and Torsion
MSEC2020-8446	Brian Skoglind		Localized Acoustic-Event Measurement Probe: Connector Confirmation Utilizing Acoustic Signatures
MSEC2020-8437	Martin Byung-Guk Jun		Fabrication of Electrically Conductive Patterns on Abs Polymer Using Low Pressure Cold Spray and Electroless Plating
MSEC2020-8429	Yuqian Lu		Digital Thread Enabled Manufacturing Automation Towards Mass Personalization
MSEC2020-8433	Prahalad Rao		Part-Level Thermal Modeling in Laser Powder Bed Fusion Using Spectral Graph Theory: Experimental Validation With In-Situ Infrared Thermography Data
MSEC2020-8431	Xiaoning Jin		Class Incremental Fault Detection and Diagnosis With Unlabeled Condition Monitoring Data
MSEC2020-8467	Lin Zhang		Structrual Colorization of Surfaces With Microstructures Replicated by Non-Isothermal Precision Glass Molding
MSEC2020-8430	Mehdi Dadfarnia		Understanding and Evaluating Naive Diagnostics Algorithms Applicable in Multistage Manufacturing From a Risk Management Perspective
MSEC2020-8518	Roland Chen	1	A Feasibility Study on 3d Printed Biopsy Needles: Pronged Tips and Internal Features Affect on Tissue Yield
MSEC2020-8574	Roland Chen	1	Dynamic Response to Varying Flow Rates During Coaxial Extrusion of a Thermal Crosslinking Hyrdogel
MSEC2020-8436	Mert Efe	1	Paper Withdrawn at Author's request Grain-Scale Heterogeneities Control the Macro-Scale Strain Localizations in Forming of Aluminum
MSEC2020-8522	Satyandra Gupta	Yes	Incorporating Tool Contact Considerations in Tool-Path Planning for Robotic Operations
MSEC2020-8439	Matthew Mcconaha		Design of Stochastic Lattice Structures for Additive Manufacturing
MSEC2020-8441	Soham Mujumdar	 	Modeling of Dry Edm Plasma Discharge
MSEC2020-8449	Hediyeh Dabbaghi	 	High-Temperature Oxidation Kinetics of Additively Manufactured Nitihf
MSEC2020-8456	Sushmita Challa	+	Packaging Electronics on Textiles: Identifying Fiber Junctions for Automated Placement
MSEC2020-8436 MSEC2020-8444	Martin Byung-Guk Jun	+	r acaging Lettorinis on retailes, incliningly in the utility and inclining the utility of the ut
MSEC2020-8444 MSEC2020-8494	Satyandra Gupta	Yes	Noninetical interestigation of various coatant NOZIE Designs to Unlett Laser Deposition A Robotic Cell for Embedding Prefabricated Components in Extrusion-Based Additive Manufacturing
MSEC2020-8494 MSEC2020-8455	Mathew Kuttolamadom	res	Nano-Scale Hardness & Abrasion Resistance of Directed Energy Deposited Co-Cr-Mo Biomedical Alloy
IVIOEUZUZU-8455	iviatriew nuttolamadom	1	Inano-ocale hardness a Abiasion resistance of bilected Energy beposited Co-Ci-No biomedical Alloy

MSEC2020-8463	Jaekwang Shin		Machine Learning- Enhanced Data-Driven Prediction of Texture Development During Incremental Sheet Forming
MSEC2020-8458	Sang Won Lee		A Study on Micro-Milling Process of Multi-Directional Carbon Fiber Reinforced Plastic Composite Using Nano-Solid Dry Lubrication
MSEC2020-8473	Parisa Bayati		Toward Structural Fatigue Analysis of Horizontally-Fabricated Niti via Selective Laser Melting
MSEC2020-8460	Miguel Saez		Robot-to-Robot Collaboration for Fixtureless Assembly: Challenges and Opportunities in the Automotive Industry
MSEC2020-8464	Prateek Sahay		Cutting Parameters Optimization for the Milling of Thin Ti-Alloy Parts
MSEC2020-8514	Chi Zhou		Spatiotemporal Fusion Network for the Droplet Behavior Recognition in Inkjet Printing
MSEC2020-8465	Davide Piovesan		Polymeric Reaction Molding of Biocompatible Materials: Lessons Learned
MSEC2020-8485	Xin Zhao		Study of Effect of Repetition Rate on Laser Shock Peening Using Finite Element Modeling
MSEC2020-8510	Chi Zhou		Experimental Study on Cost-Effective Additive Manufacturing of Silica Aerogel
MSEC2020-8482	Yue Zhang		Withdrawn by Author - The Effect of Milling Parameters and Milling Cutter Geometries on the Skull Bone
MSEC2020-8472	Md Ferdous Alam		Autonomous Manufacturing Using Machine Learning: A Computational Case Study With a Limited Manufacturing Budget
MSEC2020-8469	Saeed Farahani		Online Quality Monitoring of Plastic Parts Using Real-Time Data From an Injection Molding Machine
MSEC2020-8476	Daniel Cooper		The Environmental Impacts of Metal Powder Bed Additive Manufacturing
MSEC2020-8470	Shanshan Zhang	Yes	Surrogate Pore Generations in L-Pbf Ti64 and Effects on Mechanical Behavior
MSEC2020-8483	Jason Jones		A Hybrid Manufacturing Approach for Glass Bottle Molds
MSEC2020-8503	Wenmeng Tian		An Ónline Side Channel Monitoring Approach for Cyber-Physical Attack Detection of Additive Manufacturing
MSEC2020-8495	Michael Cai Wang		Top-Down Processing Towards Angström-Thin Two-Dimensional (2d) Elemental Metals
MSEC2020-8493	Kartik Gupta	Yes	Vision-Based Precision Deburring and Edge Breaking Process Quality Control
		100	Mathematical Modeling of Thermal Behavior in Layer-by-Layer Part Fabrication by Direct Metal Laser Sintering Process for Different Scanning
MSEC2020-8500	Nazmul Ahsan		Patterns
MSEC2020-8487	Guha Prasanna Manogharan		Machining Behavior and Material Properties in Additive Manufacturing Ti-6al-4v Parts
MSEC2020-8492	Hamdy Ibrahim		A Micro Arc Oxidation Composite Coating Developed on a Biocompatible Magnesium Alloy for Bone Implant Applications
MSEC2020-8511	Roozbeh (Ross) Salary		Experimental and Computational Analysis of the Mechanical Properties of Biocompatible Bone Scaffolds, Fabricated Using Fused Deposition
WISEC2020-6511	Roozberi (Ross) Salary		Modeling Additive Manufacturing Process
MSEC2020-8507	Qishen Zhao		Controlling Peeling Front Geometry in a Roll-to-Roll Thin Film Transfer Process
MSEC2020-8497	Yiran Yang		Multi-Extrusion Additive Manufacturing for Error Compensation: A Demonstrative Case Study
MSEC2020-8498	Mathew Kuttolamadom		Investigation of Porosity & Microstructure-Induced Property Variations in Additive Manufactured Stainless Steel 316I
MSEC2020-8496	Xingjian Lai		Machine Learning Based Novelty Detection Methods for Progressive Stamping Process Health Monitoring
MSEC2020-8499	Rui Liu		A Novel Edge Computing Based Architecture for Intelligent Tool Condition Monitoring
MSEC2020-8508	Mathew Kuttolamadom		Thermal Influence on Printlet Quality in the Selective Laser Sintering of Pharmaceutical Formulations
MSEC2020-8501	Sarah Wolff		Preliminary Study on the Influence of an External Magnetic Field on Melt Pool Behavior in Laser Melting of 4140 Steel Using In-Situ X-Ray Imagi
MSEC2020-8504	Bashir Khoda	Yes	Design and Manufacturing of Lattice Structure Using Extrusion-Based Additive Manufacturing
			Investigation of the Influence of Consequential Design Parameters on the Mechanical Performance of Biodegradable Bone Scaffolds, Fabricated
MSEC2020-8512	Roozbeh (Ross) Salary		Using Pneumatic Micro-Extrusion Additive Manufacturing Process
MSEC2020-8570	Roozbeh (Ross) Salary		Additive Fabrication of Biodegradable Bone Scaffolds for the Rapid Treatment of Osseous Defects and Fractures
MSEC2020-8523	Sagil James		Preliminary Study on High-Speed Machining of Hybrid Composite Stacks Using Nanoparticle Enhanced Mgl
MSEC2020-8515	Eric Macdonald		Hybrid Directed Energy Deposition for Fabricating Smart Metal Structures
MSEC2020-8513	Ashif Iquebal		Tracking and Quantifying Spatter Characteristics in a Laser Directed Energy Deposition Process Using Kalman Filter
MSEC2020-8515 MSEC2020-8537	Suiit Das		Techno-Economic Analysis of Graded Transition Joints of Dissimilar Metal Welds Using Additive Manufacturing
MSEC2020-8537	Hariyanto Gunawan		Accuracy Analysis of the Micro Machine Tool With Co-Planar Driving Mechanism
MSEC2020-8524			Experimental and Simulation Study of Incremental Forming for Titanium Grade 2 Sheet
MSEC2020-8525	Anupam Agrawal		Thermo-Mechanical Based Studies on Micro Friction Stir Welding of Dissimilar Metals
	Anupam Agrawal		
MSEC2020-8527	Ankush Bansal		Experimental Analysis of Material Squeeze Factor in Two-Point Incremental Forming of AI 7075-0
MSEC2020-8528	Ala Qattawi		Optimizing Fused Deposition Modeling Processing Parameters Using Response Surface Method for Strong Parts
MSEC2020-8532	David Garcia		Additive Friction Stir Deposition for Fabrication of Silicon Carbide Metal Matrix Composites
MSEC2020-8557	Kuo-Yung Hung		Integrating Mechatronics and Additive Manufacturing (3d Printing) Technologies to Investigate and Realize Bionic Legs
MSEC2020-8538	Do Young Kim		Optimization of the Plastic Flow Stress for Stainless Steel Machining
MSEC2020-8539	Pai Zheng		Product Family Design and Optimization: A Digital-Twin Enhanced Approach
MSEC2020-8573	Stanislau Niauzorau		Characterization of Variability in the Synthesis of Nanoporous Gold by Chemical Dealloying of Co-Sputtered Gold-Silver Thin Films
MSEC2020-8569	Amm Hasib		Highly Packed Highly Homogenous Metal Composites to Achieve Zero Device Shrinkage
MSEC2020-8551	Barbara Linke		Promoting u.sgermany Collaborative Research in Advanced Manufacturing
MSEC2020-8543	Sabrina Corbin		Needle Insertion Speed and Tissue Performance of End-Cut Biopsy System
MSEC2020-8544	Hongyue Sun		Sketch-Based Decomposition for Non-Parametric Monitoring of Electrospinning
MSEC2020-8545	Hongyue Sun		A Machine Learning Approach to Model the Electrospinning Process
MSEC2020-8546	Yue Wang		4d Micropatterned Cardiac Construct With Cell Alignment
MSEC2020-8549	Nathan Hertlein		Bayesian Model for Quality Prediction in Additive Manufacturing
MSEC2020-8580	Mustafizur Rahman		Tool-Based Micro/nano Machining - Development of Innovative Machine and Machining Processes
	Venkata Satya Surya Amaranth Karra		Evaluation & Testing of Multi Bead Ti-6al-4v
MSEC2020-8556	venkala salya surya Amaranin Karra		Evaluation in Institute of Institute Death Theorets Fatigue Life Comparison Between Hydroformed and Incrementally Formed (Isf) Parts

MSEC2020-8560	James Nowak		Biomaterial Manufacturing via Self-Assembly of Bacterial Cellulose Fibers
MSEC2020-8564	Dan Feng		Hydrodynamic Functions for Air-Coupled Vibrations of Webs in Roll-to-Roll Manufacturing
MSEC2020-8559	Subin Shrestha		Melting Modes in Selective Laser Melting of Inconel 625 Powder: Melt Pool Geometry and Porosity
MSEC2020-8577	Sarvesh Kumar Mishra		Generation of a Wear Map for Textured Wc/co Tools in Dry Turning of Ti6al4v
MSEC2020-8561	Katia Cristiane Gandolpho Candioto		Hexamethilenetetramine Levels Effect Over the Young's Modulus in Abrasive Materials.
	KATIA CRISTIANE GANDOLPHO		Total Control
MSEC2020-8562	CANDIOTO		Influence of the Porous Volume in the Structure of Resin Bond Composite Abrasives by Its Mechanical Performance.
MSEC2020-8563	Aditya Nagaraj	Yes	Geometric Analysis on Ultra-Precision Ball-End Milling of Sapphire
MSEC2020-8565	Lun Li		Fast Additive Manufacturing Distortion Prediction by Backward Interpolation
MSEC2020-8566	Sang Won Lee		Quality Prediction for Directed Energy Deposition (Ded) Process Based on Melt-Pool Monitoring
MSEC2020-8567	Sang Won Lee		Development of Automatic Garment Transfer System Based on Real-Time Shape Recognition Algorithm
MSEC2020-8568	Jingxuan Lyu		Computational Fluid Dynamics of Miniature Wheel for Grinding of the Arterial Calcified Plaque
MSEC2020-8571	Yihao Zheng		Experimental Investigation of Material Removal Rate in Grinding of Calcified Plague by Rotational Atherectomy
MSEC2020-8572	Roland Chen		Particle-Resin System for Additive Manufacturing of Magnetic Composites
LEMP2020-8506	Ziyi Su		Free Vibration and Thermal Fluid Structure Interaction Simulation of Functionally Graded Pipe by Modeling as Layered Structure
LEMP2020-8556	Norikazu Suzuki		Chatter Stability Prediction of Cutting Process With Process Damping Utilizing Finite Element Analysis
LEMP2020-8514	Teppei Onuki		Investigation of Crystallographic Aspect of Subsurface Damage Induced by Grinding Using Micro Raman Tomographic Imaging
	i''		Calibration of Rotary Axis Angular Positioning Deviations on a Scara-Type Industrial Robot Using a Laser Tracker and Compensation for End
LEMP2020-8502	Nan Zhao	Yes	Effector Position
LEMP2020-8512	M. Fikry Jelani	Yes	Measurement of Residual Strains as a Parameter of Matrix Cracking in Cfrp Laminates
LEMP2020-8519	Yoji Okabe	103	Ultrasonic Nondestructive Evaluation Methods Applicable to High-Temperature Environments Based on Optical Fiber Remote Sensing
LEMP2020-8501	Yuki Shimizu		Development of an Optical Angle Sensor With a Mode-Locked Femtosecond Laser Source for Surface Profile Measurement
LEMP2020-8500	Reza Aulia Rahman		In-Liquid Laser Nanomachining by Photonic Nanojet in Laser Trapping System
LEMP2020-8626	Ryo Sato		Profile Measurement by using a Femtosecond Laser Chromatic Confocal Probe
LEMP2020-8627	Satoshi Kobayashi		Experimental and Analytical Resin Impregnation Characterization in Carbon Fiber Reinforced Thermoplastic Composites
LEMP2020-8505	Akane Ishizuka		Study on Non-Axisymmetric 3d Curved Surface Turning by Driven-Type Rotary Tool Synchronized With Spindle
LEMP2020-8628	Kazuki Kaneko		Sensor Less Tool Wear Estimation Based on Changing of Parameters in Cutting Force Prediction Model
LEMP2020-8523	Massimiliano Rigacci		Experimental Analysis of the Power Consumption of Feed Drive Systems Driven by Ball-Screw
LEMP2020-8532	Hiroyuki Sakai		Effect of Al Content of Tialn Coating on Cutting Performance in Driven Rotary Cutting of Hardened Steel
			Effects of Mechanism Deviations of Five-Axis Controlled Machining Centre Onto its Motion Errors in Testing Method With Truncated Square
LEMP2020-8504	Yoshio Mizugaki		Pyramid
LEMP2020-8576	Tetsuro Yanaseko		Investigation of Fabrication Condition of Metal Matrix Piezoelectric Composite Using Surface Oxidized Metal Fiber as Internal Electrode
LEMP2020-8552	Kai Egashira		Performance Improvement of Ultrasonic-Assisted Grinding Using Pcd Micropin Tools
LEMP2020-8532	Tatsuhiko Sakaguchi		A Hybrid Meta-Heuristic Approach Considering Workload Balancing for Vehicle Assignment and Routing Problem
LEMP2020-8602	Takazumi Yamada		Development of Friction Stabilization Control Using Genetic Algorithm and Control Method
LEMP2020-8500	Hisaki Watari		Cold Roll Forming Characteristics of Wrought Magnesium Alloy With Tension-Compression Asymmetry
LEMP2020-8500 LEMP2020-8515	Masato Okada		Burnishing Characteristics of Sliding Burnishing Process With Active Rotary Tool Targeting Stainless Steel
LEMP2020-8501	Hisaki Watari		Direct Hot Forging of High Aluminum Content Am Series Magnesium Alloys Manufactured by Twin-Roll Casting
LEMP2020-8603	Keisuke Hara		Surface Texturing Process by High Speed Ultrasonic Turning to Obtain Low Friction Surface
LEMP2020-8500	Hisaki Watari		Sunate Textuming Frocess by Fight Depter United States in Continuing to Obtain Low Friction Sources Innovative Lightweight Cladding Magnesium and Aluminum Alloy by Using Twin-Roll Casting Process
LEMP2020-8503	Hironori Tohmyoh		Materials Evaluation and Environmental Monitoring Utilizing an Acoustic Resonance
LEMP2020-8503	Tsutomu Uenohara		waterials Levaluation and Environmental womaning unitizing an accusance Resonance Sub-Micrometer Scale Laser Machining Using Position Controlled Photonic Nanojet
LEMP2020-8611 LEMP2020-8625	Toshio Haga		Sub-interiorities Guart Easter inactining Osting Position Continue National Protein Resident Sub-interiorities (Sub-interiorities) and Figure 1 Sub-interiorities (Sub-interiorities) and Sub-interior
LEIWIF 2020-8023	TOSHIO Haga		Light Environment Design Support System Using Light-Guiding Plate With Decorative Cut Surface: Effects of Stripe Pattern Decorative Cutting on
LEMP2020-8525	Keiji Ogawa		Eight Edward From Transparent Resin
LEMP2020-8520	Zhenglong Fang		Grinding Performance and Delamination Analysis of Fesib Metallic Glass Laminate
LEMP2020-8520 LEMP2020-8507	Znengiong Fang Hidetaka Fujii		Effect of Steady Rest in Cylindrical Traverse Grinding of Slender Workpiece
LEMP2020-8507 LEMP2020-8508	Shinichi Nishida		Twin Roll Casting of Copper Alloy C19210 Using Commercial Scale Machine
LEMP2020-8508 LEMP2020-8509	Shinichi Nishida		Screw Forming by Semi-Solid Forging of Aluminum Alloy A7075
LEMP2020-8509 LEMP2020-8598			High Efficiency Molding by Rea-Time Control of Distance Between Nozzle and Melt Pool in Directed Energy Deposition Process
LEMP2020-8598 LEMP2020-8529	Kengo Aizawa Daiki Miwa		Fabrication of Novel Microvalves Driven by Heat From Magnetic Nanoparticles
LEMP2020-8529 LEMP2020-8558	Manabu lwai		Removal Machining Performances by Using Inert Gas Filled Micro Bubble Coolant
LEMP2020-8558 LEMP2020-8604	Shinnosuke Yamashita	Yes	Development of Cbn Electroplated End-Mill for High Precision Machining of Cfrp
LEMP2020-8604 LEMP2020-8513	Masaaki Kimura	res	Joint Strength and Its Improvement of Friction Welded Joint Between Ductile Cast Iron and 5052 Al Alloy
LEIVIP2U2U-0013	IVIASAAKI KIITIUTA		Proposal of High-Quality Laser Hardening System for Shaft Parts Using Cylindrical Mirror and Ring-Beam Shaped by High-Speed Laser Scan
LEMP2020-8527	Hirotaka Tanabe		System
LEMP2020-8516	Jiang Zhu	Yes	Graph-Based Feature Recognition With the Consideration of Feature Combination for Automatic Process Planning
LEMP2020-8544	Hiroki Ota		Effect of Interfacial Nanostructure on Mode Mixity in Directly Bonded Carbon Fiber Reinforced Thermoplastic Laminates and Aluminum Alloy With Thermal Stresses
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LEMP2020-8522	Noritsuglu Umehara		Tribological Properties Between A-C:h Coatings and Sio2 at High Temperature
LEMP2020-8517	Urara Satake		Achieving Highly Stable Removal Rate in Small Tool Polishing of Glass Lenses
LEMP2020-8518	Taisuke Hokazono		Evaluation of Contacting Effect Between Tool and Workpiece on Vibration Characteristics of Nc Machine Tools
LEMP2020-8605	Shinji Hashimura		Robustness of Detection Method for Clamp Force Against Configuration Error in Bolt/nut Assemblies
LEMP2020-8536	Shingo Tajima		Smooth Path Blending for 5-Axis Machining
LEMP2020-8530	Fumihiko Inagaki		Measurement and Evaluation of the Static Friction Coefficient Between Fixed Coupling Surfaces Under Face Contact and High Contact Pressure
LEMP2020-8543	Maho Kumanotani		Proposal of a Tool Path Generation Method to Ensure Workpiece Stiffness for Efficient Rough Machining
LEMP2020-8601	Jumpei Kusuyama		Proposing a New Evaluation Method in Si Wafer Rotary Grinding
LEMP2020-8539	Tomonobu Suzuki		Tool Path Generation for 5-Axis Controlled Machining of Free-Form Surface Using Barrel Tool (Control of Contact Point on Cutting Edge)
LEMP2020-8531	Mitsuru Hasegawa		High-Speed Machining of Ti-6al-4v With a Micro Textured Cutting Tool Focusing on Coolant Behaviors
LEMP2020-8526	Hirayama Akihiro		Microstructure and Mechanical Properties of Alsi12cuni Alloy Fabricated by Selective Laser Melting
LEMP2020-8524	Atsuhiro Furuta		Fabrication of Flexible Interposer Using Printing Method
LEMP2020-8534	Katsuyuki Yatagawa		Fabrication of the Antireflection Structure on Lenticular Lens
LEMP2020-8571	Shuzo Masui		Measuring Optical Properties of Nano/micro-Periodic Structures Fabricated by Multi-Exposure Interference Lithography
LEMP2020-8560	Keiii Yamada		Precise Identification of Principal Stress Directions Induced in Laser Cleaving Process
LEMP2020-8528	Tashi Tashi		Developing a Human-Cognition-Based Reverse Engineering Approach
LEMP2020-8600	Tohru Ishida		Development of Curved Hole Electrical Discharge Machining Method Automatic Generation of Device Operating Command in Consideration of Realizing the Machining
LEMP2020-8533	Akio Hayashi		Study on Method to Avoid Chatter Vibration Based on Machine Tool Rigidity
LEMP2020-8566	Hao Yang		Effect of Cutting Temperature on Phase Transformation in Cutting of Niti Alloy
	·		Performance Evaluation of White Coconut Oil Based Metal Working Fluid (Mwf) Under Minimum Quantity Lubrication (Mdl) for Orthogonal
LEMP2020-8535	Krishan Wickramasinghe		Machining of Aisi 304 and Inconel 718
LEMP2020-8574	Shoichi Tamura	Yes	Monitoring of Tool Wear Distribution With Cutting Force Measurement in Drilling
LEMP2020-8551	Xiaoxu Liu		Development of High-performance Polycrystalline CVD Diamond Coated Cutting Tool Edge With Femtosecond Laser
LEMP2020-8537	Motoyuki Murashima		Low Friction Realised by Hydrogen-Ended Dlc Surface Through Photocatalyst Effect in Water Lubricated Condition
LEMP2020-8538	Md Saifuddin Ahmed Atique		Withdrawn by author request - Macro Fiber Composites for Energy Harvesting & Aerospace Applications: A Review
LEMP2020-8548	Ryuta Takahashi		Removed by staff - Creating Small Patterns on 3d Free-Form Surface by Turn Milling
LEMP2020-8540	Shota Matsui		Investigation of Cutting Force in Screw Cutting by Three Axis Controlling Helical Interpolate With a Wireless Communication Tool Holder System
LEMP2020-8546	Arata Kaneko		Micro/nano-Printing of Metal and Nanoparticle Thin Film and Its Application to Mems Device
LEMP2020-8606	Hiromi Isobe		Visualization of Dynamically Changing Cutting Force Under Ultrasonic Cutting Condition
LEMP2020-8583	Karin lijima		Investigation of Fracture Behavior of Piezoelectric Ceramics Embedded in Metal Matrix
LEMP2020-8541	Enhi Sen		Debonding Detection at Core/skin Interfaces in a Honeycomb Sandwich Structure Using a Laser Ultrasonic Visualization Method
LEMP2020-8547	Masanobu Hasegawa		Influence of Tool Path When Groove Shape Machining Using Ceramic End Mill on Tool Cutting Edge
LEMP2020-8542	Shuhei Kodama		Control of Laser-Induced Periodic Surface Structures Assisted by Mechanical Processing
LEMP2020-8545	Shigehiko Sakamoto		Error Analysis by Square 3x3 Machining Method for Five-Axis Machining Centers
LEMP2020-8579	Keishi Yamaguchi		Micro Grooving of Cemented Carbide Using Pcd Blade
LEMP2020-8550	Atsushi Matsubara		Machining Vibration Suppression of a Cylindrical Part by a Point-Contact Support
LEMP2020-8549	Xiaoqi Song		Effects of the Size of Built-Up Layer on the Wear of Cemented Carbide Tools in Cutting of Sus304 Stainless Steel
LEMP2020-8553	Keisuke Suzuki	Yes	Study on Polishing Method Using Double Magnet System by Superconductive Assisted Machining Method
LEMP2020-8563	Kohei Ichikawa		Development of Tool Path Generation Method for Complex Deep Groove Shape With Simultaneous 4-Axis Machining
LEMP2020-8565	Shuntaro Yamato		Investigation of Correlation Between Process Energy Balance and Phase Shift Variation of Chatter Vibration in Spindle Speed Variation
LEMP2020-8582	Masahiko Sato		Measurement of Rake Face Temperature in Cryogenic Machining of Titanium Alloy
LEMP2020-8561	Naoki Kito		Removed by staff - Fundamental Research on the Characterization of Crystallization of Thin Film Metallic Glass in the Atmosphere
LEMP2020-8555	Shaokun Zhang		Pose Calibration for 2d Laser Profiler Integrated in Five-Axis Machine Tools
LEMP2020-8569	Shogo Ito		Effects of Cold Air Supply on Cutting Characteristics in Small Hole Drilling of Peek
LEMP2020-8557	Wataru Sasaki		Study on Wire Electrochemical Machining of Nickel Base Alloy Using Fine Wire Electrode
LEMP2020-8607	Takayuki Tokoroyama		Removed by staff - The Proposal of Two Different-Sized Abrasives to Shorten Polishing-Process-Time and Reduce Manufacturing Cost
LEMP2020-8559	Masayoshi Mizutani		Control of the Porosity and Its Orientation of Bio-Implants Adopting Metal Additive Manufacturing
LEMP2020-8562	Yoshiki Nakamura		Lubrication Effect of Smeared Oil on Workpiece Surface in Intermittent Cutting With Very Short Cutting Duration
LEMP2020-8585	Yuya Omiya		Strength Characterization of Adhesive Joint Surface-Modified by Large-Area Eb Irradiation
LEMP2020-8564	Shinya Morita		On-Machine Metrology System Using Confocal Chromatic Probe and Motion Error Correction for Ultra-Precision Machine Tool
LEMP2020-8570	Jingkai Zeng		On-Machine Estimation of Workpiece Deformation for Thin-Walled Parts Considering Fixture Clamping Sequence

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LEMP2020-8573	Koji Shimanuki		Investigation of Orthogonal Turn-Milling for Higher Machining Efficiency and Accuracy —Relationship Between Material Removal Rate and
LEIVIF 2020-6573	Koji Shimanuki		Measured Tool Flank Temperature—
LEMP2020-8568	Yuta Nonaka		Effects of α-Cellulose Supply on the Working Life of Mcf Slurry in Mcf Polishing
LEMP2020-8590	Tatsuki Otsubo		Diamond Fly Cutting Applied to Improve Curved Surface Machining by In-Process Measurement and Control on an Ordinary Milling Machine
LEMP2020-8578	Takayuki Nakamura		Optimization Method of Rotational Axis Motion in 5-Axis Controlled Machining to Keep Command Tool Feed Rate
LEMP2020-8588	Yuki Manabe		Investigation of Laser Hardening and Forming of Thin Steel Plate for Origami Engineering
LEMP2020-8567	Jun'ichi Kaneko		Tool Posture Planning Method for Low Rigidity Workpiece Considering Elastic Deformation Caused by Cutting Force
LEMP2020-8577	Masahiko Yoshino		Cutting Characteristics of Hard-Brittle Materials Under Nano/micro Groove Cutting Using a V-Shape Tool
LEMP2020-8572	Gen Sasaki	Yes	Development of Tool Steel Matrix Composites With High Thermal Conductivity
LEMP2020-8584	Hatsuhiko Usami		Tribological Properties of Textured Surface Finished With Interrupted Micro Cutting
LEMP2020-8591	Wooyoung Lee		The Influence of Defects in Ta-C Coating Deposited by Fcva Method on Their Tribological Behavior
LEMP2020-8575	Hirohisa Narita		Surface Roughness Analysis for Radius End Mill in Cross Feed Direction Both Contour and Scanning Line Machinings
LEMP2020-8581	Yutaro Nakao		Analysis of the Effect of Machining Sequence on Machining Error Considering Workpiece Rigidity Change
LEMP2020-8580	Yoshio Fukushima		Experimental Investigation of Plastic Injection Molding Heating System Using Hydrogen Absorbing Alloys
LEMP2020-8586	Yuka Hayama		Basic Study on Polishing Technology for Microcavity With Electrically Controlled Slurry
LEMP2020-8587	Hayato Yoshioka		A Newly Developed Ball Screw Made of Steel-Cfrp Composite
LEMP2020-8589	Kotaro Kawai		Precision Coating of Ta-C Films on Quartz Surfaces
LEMP2020-8592	Takanori Yamaki		Wear Resistant Dlc Coatings for Soft Metallic Materials
LEMP2020-8594	Toshiaki Yasui	Yes	Control of Material Flow During Friction Stir Welding Between Aluminum and Steel by Welding Tool Shape
LEMP2020-8596	Toshiyuki Obikawa		Thin Film Stress Sensor on the Tool Rake Face for Orthogonal Cutting
LEMP2020-8593	Masataka Kosaka		Performance of the Plastic Injection Molding Mold Heating and Cooling System Using Hydrogen Absorbing Alloys
LEMP2020-8595	Takashi Onishi		Improvement of the Form Accuracy Ground by a Slender Wheel in Internal Grinding
LEMP2020-8597	Atsushi Ezura		
			Generation of Micro Texture With Calcium Element on Titanium Alloy for Improvement of Biocompatibility by Laser Induced Mist Surface Treatment.
LEMP2020-8608	Takanori Yamazaki		A Method of Acceleration and Deceleration for Machine Tools
LEMP2020-8609	Ming-chyuan Lu		Development of Bonding Defect Monitoring System for Ded Metal Additive Manufacturing
LEMP2020-8599	Toru Kizaki		Development of a Machining Center Structure Made of Carbon Fiber Reinforced Plastic and Aluminum Honeycomb
LEMP2020-8610	Yukio Miyashita		Resistance Spot Welding in Non-Combustible Magnesium Alloy
LEMP2020-8611	Yukio Miyashita		Plane Bending Fatige in Tig and Mig Welds of Non-Combstible Magnesium Alloy
LEMP2020-8615	System Admin		Ow Test-Copyright