Keynote Presentation – Main Stage 8:30 AM

Barbara Humpton, President and CEO | Siemens Corporation

		Barbara Humpton, President and GEO				1 Siemens Corporation			
			INDUS	STRIES	FOCUS AREAS				
TRACKS		HEALTHCARE	AUTOMOTIVE	AEROSPACE	WIDER INDUSTRIAL	SOLUTIONS	ECOSYSTEM	R&D	
SESSION THEMES		MEDICAL & DENTAL SOLUTIONS	AUTOMOTIVE APPLICATIONS	AEROSPACE INSIGHTS	DEFENSE	INTELLECTUAL PROPERTY & SECURITY	MATERIALS & PROCESSING	MATERIALS DEVELOPMENT	
10:00 AM		Rationalization for the Utilization of Various AM Technologies in Healthcare Applications Amy Alexander, MS Biomechanical Development and Applied Computational Engineering, Division of Engineering Victoria Sears Engineer, Anatomic Modeling Unit, Radiology Mayo Clinic	Additive Manufacturing Application Selection at General Motors Brennon White, CAMF AM Applications Engineer General Motors	An End-to-End Digital Thread to Accelerate Additive Adoption Nicholas J. Mule Director, Boeing Additive Manufacturing Intelligence Center The Boeing Co.	U.S. Army Expeditionary Additive Manufacturing at the Point of Need Matthew Brauer Lead General Engineer Thomas Vretis Mathematician U.S. Army, DEVCOM-AC	Patents in AM: Soul Crushing or Empowering Innovation? Aidan C. Skoyles, JD, MSEE Attorney Finnegan LLP	Data-driven Quality Control of Laser Directed Energy Deposition (DED) Melanie Lang, MEng Co-Founder FormAlloy Technologies Inc.	Stress Corrosion Cracking Behavior of LPBF AlSi10MG Michael A. Pratt Additive Manufacturing Research Engineer University of Dayton Research Institute	
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10:30 AM	Casting, Foundry In a B	Regulatory Landscape for Additive Manufactured Medical Devices — an Update for 2022 Dawn A. Lissy, MS President Empirical Technologies Corp.	An Additive Solution to Fulfill Customer Needs Giuseppe Lacaria Research Engineer Ford Motor Co.	Insights into Industrial AM Application and Implementation Challenges & Strategies for the Defense UAS Industry Steve Fournier Additive Manufacturing Department Manager Micah Baxter AM Manufacturing Engineer - FDM General Atomics Aeronautical Systems Inc.	Advancement of U.S. Navy Sustainment Capabilities Through Solid-State Additive Manufacturing Chase D. Cox, PhD Chief Engineer MELD Manufacturing Corporation Stephen Cox Director of Technology US Navy	Cybersecurity for Additive Manufacturing Enterprise Operations Project Romina Lara, PMP, CAPM Sr. Project Manager Federico Sciammarella, PhD President & CTO MxD	Procedure Qualification Scheme Portfolio for Metal Directed Energy Deposition Additive Manufacturing Dennis D. Harwig, PhD Senior Technical Leader EWI / OSU	AM of Shape Memory Alloys for Aerospace, Defense, and Medicine: Key Challenges, Lesson Learned and the Path Forward Mohammad Elahinia, PhD Distinguished University Professor Mohammadreza Nematollahi, PhD Post-doc University of Toledo	
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11:00 AM	HOP _	AM Ecosystem Strategy — Choosing and evaluating the right partners in your AM ecosystem Ankush Venkatesh Intrapreneur, Additive Manufacturing Glidewell Dental	Evaluation of Printed Wax Pattern Molds Thomas J. Mueller President Mueller Additive Manufacturing Solutions Elvira Stesikova, PhD Head of Technology, 3D Printing Solutions BASF Forward AM	Additively Manufactured Topology-Optimized Reflective Optics Matthew E. Lynch, PhD Senior Manager, Research Engineering Raytheon Technologies Research Center	Expeditionary Manufacturing Improving the Australian Army's Supply Chain Byron Kennedy CEO SPEE3D	Unrealized Value or Lurking Risks? Intellectual Property Opportunities and Threats in the Additive Manufacturing Industry Gregory M. Stone, Esq. Partner and Co-Chair, Technology & Intellectual Property Group Whiteford, Taylor & Preston LLP	Laser Additive Manufacturing of High Reflectivity Metallic Materials Using Pore-Free Non-Equiaxed Powders John Barnes Founder The Barnes Global Advisors LLC Mihaela Vlasea, PhD Assistant Professor University of Waterloo	Nanoengineering for Additive Manufacturing Materials: Crushing the Formulation Improvement Wall Olga Ivanova, PhD Director of Technology Mechnano Steven Lowder CEO Mechnano	
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11:30 AM		Vat-Photopolymerization with Customizable Bioresorbable Resins for Medical Applications Aaron Vaughn, PhD R&D Project Engineer Mathew Stanford, MS Manager of Engineering Poly-Med Inc.	AM is Driving Innovations in Electric Vehicle Performance David Pierick 3D Print Production Applications Development Aaron Delong 3D Print Production Applications Development Manager HP Inc.	The Tale of Two Cities – Additive Manufacturing for Aerospace vs Automotive Bill Bihlman, PhD President Aerolytics LLC	Current State of Additive Manufacturing in Forensic Science Corey W. Scott MSF.S. Forensic Examiner Federal Bureau of Investigation (FBI)	Cybersecurity for Additive Manufacturing Nicole Santos Additive Manufacturing Engineer BreakPoint labs	Optimization of Ti-6Al-4V Fused Filament Fabrication with Vacuumless Sintering James Siegenthaler, PhD Scientist Fraunhofer USA Center Midwest	Additive Manufacturing of Thermally Conductive Polymer for Lighting Fixtures Shahab Zekriardehani, PhD Technology Manager, Polymer and Nanocomposites Javed Mapkar, PhD Senior Global Technology Manager, Advanced Materials & Process Eaton Corporation	
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				LUNCH BREA	K + VISIT EXHIB	ITS 12 PM			

Thought Leadership Panel – Main Stage 12:30 PM

Disrupting Design and Manufacturing in Aerospace and Defense **INDUSTRIES FOCUS AREAS TRACKS HEALTHCARE AEROSPACE WIDER INDUSTRIAL** SOLUTIONS **ECOSYSTEM** R&D **AUTOMOTIVE SESSION AUTOMOTIVE APPLICATIONS MEDICAL & DENTAL SOLUTIONS** AEROSPACE INSIGHTS STANDARDS & REPEATABILITY DEFENSE JUSTIFICATION / ECONOMICS MATERIALS DEVELOPMENT **THEMES Agile Manufacturing for Fiber Filled Photopolymers Advanced Armaments** - How We Developed a 3D Hybrid Manufacturing - An **Smart Additive Manufacturing: Systems Printable Dielectric Polymer for Emerging and Blended Scaled and Quality Production Advanced Automation** Why is Power Quality Critical Global 3D Printer Industry **Radio Frequency Applications** James Zunino, SSTM Approach to Advanced of 3D-Printed Hard Tissue Solutions for 3D Printing **During the Additive Process?** Buoyant for 2022? Senior Scientific Technical Manufacturing 2:00 **Regenerative Devices** Chinedum (""Chi"") Okwudire Manager - Future Concepts Phil Lambert Brad Keselowski **Chris Connery** Associate Professor US Army Comabt Capabilties Patrick Gannon Adam E. Jakus. PhD Lead Customer Solutions Engineer PM Owner Keselowski Advanced University of Michigan Global Head of Analysis **Development Command** Segment Leader Co-Founder and Chief Technology Fortify Manufacturing, Championship CONTEXT ABB Inc Officer Samuel Thompson Dave Sabanosh Driver. Co-owner RFK racing Trevor Polidore Dimension Inx Corp. Chief Operating Officer PEEMS Lead / Mechanical Keselowski Advanced New Product Development Group Ulendo Engineer Manufacturing Leader at Rogers Corporation US Army DEVCOM Armaments Center Rogers Corporation • **Learning from Other Domains:** A Closed-Loop Machine **Leveraging Video Game Learning and Compensation** Surviving Disruption in Development Experience in a PoC Accelerate Adoption of 3D Framework for Accuracy **Innovative Heat Exchangers** Wide Reaching Solid-State Digital-material Fabrication 3D Lab Printed Sand and Wax for Additive Manufacturing -NATHENA Control in 3D Printing Structural Repairs Enabled **Using Additive Manufacturing** 2:30 Demystifying the 3D-Printing **Complex Metal Castings** Parham Gholami by MELD Arman Sabbaghi, PhD Frank F. Liou, PhD Nick Estock **Technology Question** Research Engineer Jiten Shah Associate Professor PM Michael and Joyce Bytnar Professor Product Manager Greg D. Hahn Wilderich Heising, PhD President Missouri University of Science and Justin Ryan, PhD AddUp Inc Graduate Research Assistant Wenbin Zhu Product Development & Analysis Partner and Associate Director Technology Virginia Tech PhD student Research Engineer (PDA) LLC Boston Consulting Group Purdue University Department Rady Children's Hospital of Statistics San Diego Inspiration - A Review **Qualification of Additively** of Techniques Used **Liquid Deposition of Producing Castings Manufactured Aerospace** to Print and Finish a **Successful Injection Molding** a Dynamic Polymer **Using 3D Sand Printing** Hardware **AM Data Registration** Additive Manufacturing of Smart **Hydro-pneumatic Ventilator** Thermoset and Associated **Production Application** 3:00 Standardization Materials Humna Khan Dave Rittmeyer Christopher Howard MBA. Conversion in 3D Printing **Nanocomposites** Customer Care and Additive CEO/Co-Founder Shaw C. Feng, PhD Ala Qattawi, PhD PM PMP. CBET Frank Gardea, PhD Haleyanne Freedman Manufacturing Manager Mechanical Enginee Assistant Professor Andre DeLeon Founder, President Research Engineer Global Engineering Market Manager NIST University of Toledo Hoosier Pattern Inc Lab Operations Manager M Holland Company Medical Sensor Systems, Inc DEVCOM Army Research ASTRO Mechanical Testing Laboratory Jonathan A. Poii Laboratory Product Design Engineer An Argument for Dedicated **Additive for Automotive:** New Technology for NASA's **Printing Tanks** Training in 3D Printing for From hyper-customization E-beam Metal Wire AM -Surgeons: Results of a National **Developing Automotive-Grade** to mass production Real-Time In-Situ Metrology **Brandon Pender** Process stability in metal Walking the Walk: Going All In Needs Assessment and Call to Associate Director for Ground **Metal Alloys for Additive** and Closed Loop Control for Fadi Abro 3:30 AM: How to enable serial on Metal Additive Adoption Vehicle Materials Engineering Action Manufacturing In-space Manufacturing Director of Automotive Business production in AM? US Army Ground Vehicle Jason B. Jones, PhD PM Diana M. Otoya, MD I Physician Tyson Brown, PhD Stratasvs Eric Eisenbraun, PhD Systems Center Roland Spiegelhalder M.Sc. Co-founder & CEO Lab Group Manager Michael F. Amendola, MD Associate Professor of Nanoscience Nanci Hardwick Product Manager AM Hybrid Manufacturing Technologies Malini Dusev PhD General Motors Physician / Division Chief of Vascular Center for Nanoscale Science and CEO Senior Applications, Engineer Surgery Engineering SUNY Polytechnic MELD Manufacturing Corporation General Motors Institute Central Virginia VA Health Care System

Keynote Presentation – Main Stage 8:30 AM Brian Baughman, Manufacturing Chief Engineer | Honeywell Aerospace

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TRACKS		HEALTHCARE	AUTOMOTIVE	AEROSPACE	WIDER INDUSTRIAL	SOLUTIONS	ECOSYSTEM	R&D		
SESSION THEMES		MEDICAL & DENTAL SOLUTIONS	AUTOMOTIVE APPLICATIONS	AEROSPACE INSIGHTS	NONMETAL APPLICATIONS	SUPPLY CHAIN & SUSTAINABILITY	METROLOGY	MATERIALS DEVELOPMENT		
10:00 AM	Business Case	Not Just Prototypes: 10 Applications for 3D Printing in Medical Device Development Katherine J. Stephenson, PhD Founder & PrIncipal Dyad Engineering LLC	Utilizing AM in the Automotive Design Studio Stephanie Pearce Additive Manufacturing Engineer Rivian	Continuous Fiber Composite Additive Manufacturing David Ivankovich Sr. PrInc.ipal Engineer - Manufacturing Technologies Northrop Grumman Corp.	Redesigning Micromobility with KUHMUTE and the Formlabs Fuse 1 Peter Deppe Co-Founder & CEO KUHMUTE	It's Time to Get Serious About Digitizing Supply Chain Sustainably Avi Reichental Co-Founder, CEO, and Chairman Nexa3D	Machine Learning and Advanced Digital Gauging for Subtractive and Additive Manufacturing Processes Kevin Brigden Engineering Data Scientist Renishaw Angkit Choudhury Engineer Altair	Development of Antimicrobial Polymer-Metal Composites Via Additive Manufacturing Methods Arif Sirinterlikci, PhD, CMfgE University Professor of Industrial and Manufacturing Engineering Paul Badger, PhD Professor and Head of Science Departmen Robert Morris University		
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10:30 AM	- How to Build	Patient Specific Neurovascular Procedure Rehearsal an Industrial Design Study Samuel Canning, PhD Senior Lecturer Griffith University	Utilizing AM for Manufacturing Tooling in Automotive Assembly Malini Dusey, PhD Senior Applications Engineer General Motors	Optimization of Fused Granular Fabrication Process Parameters of Conducting PEKK for Large Aerospace Structures Si Chen, PhD Specialist Engineer Felix Tran Lead Engineer Eaton Corporation	From the Lab to the Court - Customizable Additive Materials for Sports Equipment James Hedrick, PhD CPO and Co-Founder Azul 3D	How do We Prove that Additive Manufacturing Supports a Sustainable Future Espen Sivertsen CEO Ivaldi Group	On Machine 3D Scanning for In Process Inspection Nasir Mannan, MEng Princ.ipal Engineer Connecticut Center for Advanced Technology	Electron Beam Melting Materials for Extreme Environments Markus Ramsperger Process and Materials Engineer GE Additive		
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11:00 AM	Additive Manufacturing	Inter and Intra-layer Transport Phenomena Alters the Mechanical Properties of 3D Printed Parts Camila Uzcategui, PhD Cofounder & CEO Vitro3D	From the Racetrack to the Manufacturing Line: How to Get Beautiful, High-performance Parts in Serial Production (case study) Michael Schorr Head of Application Consulting DyeMansion North America Inc. Kevin Sheehy Manufacturing Engineer Stratasys Direct Manufacturing	Applications for On-Orbit Additive Manufacturing, Finding Value in AM off the Earth's Surface Theodore C. Lee, MS Additive Manufacturing Engineer Redwire	Digital Foam: The Sports Equipment Revolution Jon Walker B.A., CMTSE Government Relations and Key Account Manager EOS North America Thierry Krick Engineering Manager Advanced Product Development	How Your Business Can Go Green with Additive Manufacturing Jason Rolland SVP of Materials Carbon	Reverse Engineering has Become an Integral Part of Modern Product Design Gregory George Engineering Manager Oqton	Data-Driven Qualification of Additively Manufactured 316L Stainless Steel Joy Gockel Associate Professor ADAPT Center at Colorado School of Mines		
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11:30 AM	WORKSHOP -	3D Printing for Surgical Planning of Canine Oral and Maxillofacial Surgeries Yu-Hui Huang, MD, MS Radiology Resident Physician University of Minnesota	Cast Metal-Ceramic Composite Lattice Structures for Lightweight, Energy Absorbing Applications Alan P. Druschitz, PhD Associate Professor of Practice Virginia Tech	Leveraging Additive Manufacturing Tooling to Reduce the Cost of Turbine Engines Dan Z. Sokol Managing Partner Renaissance Services	Ceramics Additive Manufacturing for Investment Casting Richard Gaigon, MBA CEO 3DCeram Sinto	Building the Circular Economy from Armor to Landing Gear Christopher P. Eonta Founder Molyworks	The Viability of Dense Photogrammetry as an AM Inspection Tool Michael Agronin Director of Research and Development Direct Dimensions Inc	Precision Metal 3D Printing: A New Hybrid Technology Using Paste Material Scott Kraemer Senior Applications Engineer Mantle Inc.		
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	LUNCH BREAK + VISIT EXHIBITS 12 PM									

Thought Leadership Panel – Main Stage 12:30 PM

Let's Make A Deal - IPOs SPACs Mergers and Acquisitions

		Let's Make A Deal - IPOs, SPACs, Mergers and Acquisitions									
FOCUS AREAS				INDUSTRIES							
R&D		ECOSYSTEM	SOLUTIONS	WIDER INDUSTRIAL	AEROSPACE	AUTOMOTIVE	HEALTHCARE	TRACKS			
HARDWARE		DESIGN FOR ADDITIVE Manufacturing	SUPPLY CHAIN & SUSTAINABILITY	CONSTRUCTION / ENERGY & POWER	AEROSPACE INSIGHTS	AUTOMOTIVE APPLICATIONS	MEDICAL & DENTAL SOLUTIONS	SESSION Themes			
s for Enhancing Wirditive Manufacturing erial Properties gsbury, BE, MAICD ive Manufacturing ndustry Fellow MIT University	+ Arc Ad Ma Alex Ki Add	Optimizing Topology and Toolpath: Enhancing Structural Efficiency through Multi-axis Additive Manufacturing Christopher B. Williams, PhD L. S. Randolph Professor Joseph Kubalak, PhD Postdoctoral Research Fellow Virginia Tech	Enabling Distributed Supply Chains through Additive Manufacturing Benny Buller CEO and Founder Velo3D	Design Strategies for Architected Materials Andreas Vlahinos, PhD CTO Advanced Engineering Solutions	Applications in Tooling & Prototyping for Large Format Additive Manufacturing Sean Henson Global Product Manager, Additive Manufacturing Ascent Aerospace	How Additive Manufacturing Enabled GM to Keep Popular Full-Size SUV Production Schedules on Track for Model Year 2022 Adam Campbell Additive Manufacturing Application Engineer General Motors Christine Bardsley Design Release Engineer General Motors	Titanium Has Got Competition – Amorphous Metals for Medical Applications Laura Kastenmayer Industry Manager Medical Technology, Additive Manufacturing TRUMPF	2:00 PM			
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d Manufacturing iction Stir Additive, ed Light Scanning, CNC Machining L. Schmitz, PhD r, ORNL Joint Faculty of Tennessee, Knoxville	using F Structu and Tony Profess	DfAM vs. Business Model Innovation – Which Unlocks More 3D Printing Applications? Kyle Harvey Business Unit Manager - Additive Manufacturing Extol Inc	Development and Adoption of Sustainable Materials Design for AM Michelle K. Sing, PhD Global Commercial Director of Additive Manufacturing Jason Vagnozzi Materials Development Research Engineer Braskem	The Impact of Additive Manufacturing of Large Structures on Architecture and Construction Rick Neff Consultant - CEO Rick Neff LLC	Certification Approach for Additively Manufactured Structural Aerospace Components Arun Ramachandran Additive Manufacturing Lead Collins Aerospace	Study of Infill Pattern and Backfill of Low Cost 3D Printed Polymer Tooling for Sheet Metal Forming Applications Dan Zhang, PhD Center for Design and Manufacturing Excellence The Ohio State University	Outlook on Raw Material Quality Requirements for the AM Medical Industry Pier Luc Paradis Material Project Manager AP&C, a GE Additive company	2:30 PM			
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3D Metal Device rocess Optimized oducing Finished components Ikonomov, PhD Professor Michigan University	and I for P	Lazy Local Evaluation of Giga Lattices for Interactive Design and Visualization Gaurav Ameta, PhD Senior Key Expert Wenjie Yao Research Scientist Siemens Technology	Sustainable Productivity – What is in it for the AM Industry? Gerret Lukas Director ACAM Aachen Center for Additive Manufacturing	3D Printing Construction Sofia Lopez Project & Implementation Manager COBOD International	Improved Process Parameter Optimization Using Machine Learning Zach Simkin President Senvol Tayelor McKay Principal Additive Manufacturing Engineer Northrop Grumman Corp Aeronautics Systems	Intelligent Digital Production Using the Divergent Adaptive Production System Michael T. Kenworthy Chief Technology Officer Divergent Technologies (Divergent 3D)	Fabrication of 3D Microscale Organoid Cultures by Stereolithographic Printing of Covalently Adaptable Sacrificial Molds John E. Hergert, PhD Postdoctoral Associate University of Colorado, Boulder	3:00 PM			
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Panel ware - Where do we go next?	AM Hai	Panel Pushing the Limits of Additive Manufacturing Through Design	Recycling of Metallic Waste from Additive Manufacturing Josh Lifshitz Account Manager Globe Metal Recycling	Panel Opportunities for Additive Manufacturing in Construction & Energy	Validation of Multi-Laser Printing Technology for Additive Manufacturing Donald Godfrey Global Director, Business Development Aerospace and Defense SLM Solutions	Manufacturing and Industrial Process Revolution: The Kawasaki Case Marco Zani CEO & Founder Mark One Srl	Micro 3D Printing for Disposable Medical Devices John Kawola Principal, Co-Owner Boston Micro Fabrication Anthony Appling CEO RNDR Medical	3:30 PM			
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Mich Pa ware		Siemens Technology Panel Pushing the Limits of Additive	Recycling of Metallic Waste from Additive Manufacturing Josh Lifshitz Account Manager Globe Metal Recycling	Panel Opportunities for Additive Manufacturing in Construction & Energy	Validation of Multi-Laser Printing Technology for Additive Manufacturing Donald Godfrey Global Director, Business Development Aerospace and Defense SLM Solutions	Manufacturing and Industrial Process Revolution: The Kawasaki Case Marco Zani CEO & Founder	Postdoctoral Associate University of Colorado, Boulder Micro 3D Printing for Disposable Medical Devices John Kawola Principal, Co-Owner Boston Micro Fabrication Anthony Appling CEO				



Keynote Presentation – Main Stage – 8:30 AM

Caralynn Collens, MD, CEO | Dimension Inx

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TRACKS		HEALTHCARE	WIDER INDUSTRIAL	AEROSPACE	WIDER INDUSTRIAL	SOLUTIONS	ECOSYSTEM	R&D
SESSION THEMES		MEDICAL & DENTAL SOLUTIONS	METAL APPLICATIONS	AEROSPACE INSIGHTS	HEAVY INDUSTRY	PEOPLE & CULTURE	POST PROCESSING	SOFTWARE
10:00 AM	Scanning	The VHA Experience of Using 3D Printing to Support Medical Device Manufacturer from the Hospital Brian Strzelecki Director of Quality and New Products VA Ventures, The Veterans Health Administration	Using MELD to Improve and Maintain Bridge and Railway Infrastructure Zackery McClelland Research Mechanical Engineer US Army Corps of Engineers - ERDC Nanci Hardwick CEO MELD Manufacturing Corporation	Additive Manufacturing in the Air Force Rapid Sustainment Office Eddie Preston Chief Engineer USAF, RSO/AMPO Travis Grohoske Material Engineer RSO/AMPO	Paving the Way for Large- scale Steel 3D Printing for Use in Shipbuilding Kolby M. Pearson Engineer II General Dynamics NASSCO	Why a 3D Printing Manufacturer Should Invest in DEI Today Sarah Goehrke Senior Director, Strategic Communications and Ecosystems Kristin Mulherin General Manager, Powder Bed Products, President, Women in 3D Printing Nexa3D	Optimal Mechanical and Corrosion-Resistant Properties of AM-Metal Components by Post-Processing Combinatory Methods Agustin Diaz, PhD Lead Additive Manufacturing Justin Michaud CEO REM Surface Engineering	Accurate Modeling of 3D Selective Laser Melting for Large Parts John F. Maguire, DPhil, DSc (UK) FSME, FRSC CTO Scientific Simulation Systems (S^3) Inc
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10:30 AM	to Metrology and 3	Investigation of the Mechanical Properties of Porous Bone Scaffolds, Composed of Polyamide, Polyolefin, and Cellulose Fibers Roozbeh (Ross) Salary, PhD Assistant Professor of Mechanical and BioMedical Engineering Marshall University (West Virginia State) Robert Joyce Founder and President FibreTuff	Conductive Electronic Circuit Patterns with Liquid Metal Jetting Denis Cormier PhD Professor RIT Tim Schniepp Director of Applications Engineering Xerox	Bringing Moore's law to engineering - Algorithmic Design of an Aerospike Rocket Engine for Advanced AM Lin Kayser CEO & Co-Founder Hyperganic	An Investigation into the Feasibility of Producing a Copper-Nickel Alloy Utilizing Laser Powder Bed Fusion John W. Ralls, PhD, PE Manger Principal Engineer III / Deputy Chief Engineer - Additive Manufacturing Newport News Shipbuilding Jared Blecher, PhD Principal Aerospace and Defense Engineer - Advanced R&D 3D Systems	Old School vs. New School: Additive Lessons Learned S.J. Jones Senior Additive Applications Engineer Siemens Energy	Post-machining of Additively Manufactured Ti-6Al-4V Bruce L. Tai, PhD Associate Professor Texas A&M University	Computational Fluid Dynamics for Process Control and Optimization in Additive Manufacturing Allyce Jackman CFD Engineer Flow Science, Inc
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AM	Workshop – An introduction	Implant Guides with Indexed Printed Prosthetics: How Digital Dental Workflows Improve Patient Quality Daniel B. Spagnoli Co-Owner & Oral Surgeon, D DS, MS, PhD Tyler Britt Co-Owner and Chief Dental Technician Brunswick Oral & Maxillofacial Surgery	From Metal Binder Jetting to Metal Material Jetting — A User Perspective Dror Danai Chief Business Officer Xjet Ltd.	Depowdering in New Space: A Game Changer for Unlimited Part Design in Additive Manufacturing Michael Sattler Global Sales Director Solukon Franck Mouriaux MS Chief Technology Officer Morf3D	Leveraging Additive Manufacturing to Take Control of the Supply Chain in Renewable Energy Greg lannuccilli Principal Engineer & Specialist of Additive Manufacturing and Advanced Concepts Markforged Jeremy Haight Enterprise Client Executive Vestas	Embracing Diversity, Equity and Inclusion and Incoporating Belonging, Present and Future Michael Jones Director, Talent Acquisition & Diversity Equity Inclusion Xometry	Generating End-Use Parts with 3D Printing and Electroplating Analisa Russo, PhD User Applications Manager Formlabs Inc Sean Wise, PhD President RePliForm Inc	Future-proof Your Business & Career with 3MF Luis Baldez Executive Director, 3MF Consortium Senior Manager for Market Development HP 3MF Consortium Duann Scott Additive Manufacturing Business Development & Marketing Strategy Bits to Atoms and 3MF
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11:30 AM	M	Panel What's Next in Additive Manufacturing for the Healthcare Industry	Removing 3D Metal Parts from Build Platforms — Challenges and Solutions Clay Olson Application Engineer & Regional Sales EDM Performance Accessories	Panel The Industry Outlook Post-Pandemic	Panel The Role of Additive Manufacturing in Heavy Industry	Panel Creating a DE&I Framework in the Additive Manufacturing Industry	Optimization of Post-Processing 3D Printed Parts Cole M. Mathisen Sales and Marketing Manager Mass Finishing Inc	In-situ Data Collection, Process Monitoring and Quality Improvement for Melt Extrusion Additive Manufacturing David Prawel, PhD Associate Professor Colorado State University
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Thought Leadership Panel – Main Stage 12:30 PM

If you don't measure it how can you sell it? The Importance of 3D Scanning to AM