



SATURDAY, MARCH 14, 2026

PRE-CONFERENCE TRAINING

This program is NOT included with AMUG Conference registration. Participation requires separate registration and is at an additional cost. For registration details, please visit https://www.amug.com/train_certify/

12:00 PM	Certificate Course Day 1 of 2: ASTM: Unlock Navy Contracts: Become a Qualified Supplier Using Directed Energy Deposition and Powder Bed Fusion Shane Collins, ASTM International
----------	--

SUNDAY, MARCH 15, 2026

PRE-CONFERENCE TRAINING

These programs are NOT included with AMUG Conference registration. Participation requires separate registration and is at an additional cost. For registration details, please visit https://www.amug.com/train_certify/

9:00 AM	Certificate Course Day 2 of 2: ASTM: Unlock Navy Contracts: Become a Qualified Supplier Using Directed Energy Deposition and Powder Bed Fusion Shane Collins, ASTM International
10:00 AM	AM Academy: Technology Identification, Suitability & Applications in Additive Manufacturing Benjamin Haller, AM Academy
10:00 AM	MSOE Center for Professional Education: Practical AI: From Core Concepts to Modern Models Gabriel Wright, MSOE Sheku Kamara, MSOE

AMUG EVENING EVENTS

4:00 PM	New Member Welcome Nick Licari, GoEngineer
5:00 PM	AMUGexpo
5:00 PM	Networking Dinner (during AMUGexpo)



MONDAY, MARCH 16, 2026

AMUG GENERAL SESSION

7:00 AM	Networking Breakfast
8:00 AM	Welcome Address Shannon Van Deren, <i>Layered Manufacturing and Consulting</i>
9:00 AM	Diamond Sponsor Insights and Highlights Leadership Panel Shannon Van Deren, <i>Layered Manufacturing and Consulting</i>
10:00 AM	AMUGexpo
12:00 PM	Networking Lunch (during AMUGexpo)

AMUG BREAKOUT SESSIONS

1:30 PM	Diamond Sponsor Session - GoEngineer
1:30 PM	Diamond Sponsor Session - Stratasys
1:30 PM	Platinum Sponsor Session - HP Emerging Tech and Innovation
1:30 PM	The Convergent Manufacturing Continuum: Feedstock to Finished Part & Factory to Field Brian Post, <i>Oak Ridge National Laboratory</i> Aerospace
1:30 PM	101 Ways to Fail a Polymer LFAM Print Austin Schmidt, <i>Additive Engineering Solutions LLC</i> Eric Black, <i>Additive Engineering Solutions LLC</i> Healthcare, Medical Devices, & Dental
1:30 PM	Additive Manufacturing in Dental Workflows April Newell, <i>Nota3D</i> Jason Jarosch, <i>Nota3D</i> Education, Standards, & Workforce Development
1:30 PM	If you can't measure your parts - you can't sell them. Giles Gaskell, <i>Pinnacle X-Ray Solutions</i> Education, Standards, & Workforce Development
1:30 PM	Spread the Knowledge: A Hands-On Guide to Standards (with PB&J!) Bonnie Meyer, <i>ASTM International</i> Clayton McIntyre, <i>ASTM International</i>



	Automotive, Transportation, & Infrastructure
1:30 PM	Scaling Up: Serial Production 3D Printing for Hypercar Heat Exchangers Ian Fordyce, <i>Conflux Technology</i>
	Industrial Applications
1:30 PM	A Data-Driven Digital Additive Manufacturing Qualification Framework for Ensuring Cross-Supplier Part Equivalency Amar Patel, <i>Baker Hughes</i>
	Aerospace
2:00 PM	Examination of Additively Manufactured Electrostatically Dissipative (ESD) Ultem 1010 for Satellite Applications Gina Ghiglieri, <i>Lanteris Space Systems</i>
2:30 PM	Break
3:00 PM	Diamond Sponsor Session - AMT PostPro
3:00 PM	Diamond Sponsor Session - Wurth
3:00 PM	Platinum Sponsor Session - Axtre3D
	Emerging Tech and Innovation
3:00 PM	High-Resolution Additive Manufacturing for Free-Form 3D Microelectronics Hylke Akkerman, <i>Holst Centre / TNO</i>
	Design, Simulation, & AI
3:00 PM	Modeling and Automation for Additive Using Tools from Animation and Gaming Mary Baker, <i>Palace3D</i>
	Healthcare, Medical Devices, & Dental
3:00 PM	Beyond the Visible: Microscale 3D Printing at Mayo Clinic Seth Hara, <i>Mayo Clinic</i>
	Workshops & Hands-On Learning
3:00 PM	Using Silicone Molds and Casting combined with 3D Printing Seminar Troy Peterson, <i>BJB Enterprises, Inc.</i> Scott McCausey, <i>BJB Enterprises</i>
	Business and Finance
3:00 PM	Reinventing Manufacturing: Additive's Role in the Modern Industrial Ecosystem Kevin Carr, <i>M5D</i> Ken Burns, <i>GKN Additive</i> Aaron Chow, <i>Vixiv</i> Kristin Mulherin, <i>Hubbell Incorporated</i>



Energy, Power, & Sustainability

3:00 PM **WAAM Printed Large-Scale Resonator Ring for Siemens Energy**

Yash Bandari, *Fastech LLC*
Alan Pearce, *Fastech LLC*

4:00 PM **Transition**

4:30 PM **Platinum Sponsor Session - Nikon**

Post-Processing and Advanced Finishing

4:30 PM **Cavitation Abrasive Surface Finishing for AM External & Internal Surface Fatigue Improvement**

Dan Sanders, *Sugino Machine Ltd*

Design, Simulation, & AI

4:30 PM **Revolutionizing Firearm Suppressor Design Through Additive Manufacturing and Artificial Intelligence**

Tim Bell, *Sciath aiM Forge Inc.*
Sean Bernstein, *Irregular Design Group*

Materials

4:30 PM **Framework for Qualifying Additive Manufacturing Materials in Life Science Applications**

Brent Griffith, *Lucent Additive*

Business and Finance

4:30 PM **Justifying Your AM Purchase - How to Create a Business Case**

Mark Barfoot, *Xact Metal*

Consumer Products & Lifestyle

4:30 PM **Mass-Customizing Challenge Coins for America Makes: A Practical Case Study**

Edward Herderick, *America Makes / NCDMM*

AMUG EVENING EVENTS

6:00 PM **AMUGexpo**

6:00 PM **Networking Dinner (during AMUGexpo)**

6:00 PM **Technical Competition (during AMUGexpo)**



TUESDAY, MARCH 17, 2026

AMUG GENERAL SESSION

7:00 AM	Networking Breakfast
8:00 AM	International Report Andrew Graves, <i>Stratasys</i> Daniel Landgraf, <i>3D Spark</i>
8:45 AM	KEYNOTE: From Hypercars to Defense drones: how two major industry innovators started their partnership journey at AMUG Scott Sawyer, <i>Divergent 3D</i> Steve Fournier, <i>General Atomics Aeronautical Systems, Inc.</i>
10:00 AM	Break
10:30 AM	2026 AMUG Scholarship Winners Brent Griffith, <i>Labconco</i> Olga Ivanova, <i>Mechnano</i>
11:00 AM	2026 DINO Awards - Distinguished INnovator Operator Awards Bruce LeMaster, <i>Obsidian Solutions Group, LLC</i>
12:00 PM	Networking Lunch

AMUG BREAKOUT SESSIONS

1:30 PM	Diamond Sponsor Session - AMT PostPro
1:30 PM	Diamond Sponsor Session - Wurth
1:30 PM	AM Metal Technologies In-House Metal 3D Printing in Hospitals: Opportunities and Challenges for Medical Products Michael Staiger, <i>One Click Metal</i> Napakarn Thussakorn, <i>AppliCAD</i>
	Post-Processing and Advanced Finishing
1:30 PM	Tools in the Toolbox: Smart Approaches to Surface Finishing for Metal AM Agustin Diaz, <i>REM Surface Engineering</i> Elena Lopez, <i>Fraunhofer Institute for Material and Beam Technology IWS</i> Ray Amin, <i>Extrude Hone</i> Jim Ringer, <i>Tech Met</i> JT Stone, <i>Microtek</i>



	Industrial Applications
1:30 PM	CAD to Injection Molded Parts in a Single Shift Using AM Inserts Rajeev Kulkarni, <i>Axtra3D</i>
	Healthcare, Medical Devices, & Dental
1:30 PM	Fact vs. Fiction: Will Bioprinting Shape the Next Frontier of 3D Printing? Katie Weimer, <i>GenesisTissue Inc.</i>
	Workshops & Hands-On Learning
1:30 PM	Geometrical Dimensioning & Tolerancing for AM Hands-on Workshop Giles Gaskell, <i>Pinnacle X-Ray Solutions</i> Bob Diaz, <i>College of Southern Nevada</i> Paul Finelt, <i>Concurrent Resources LLC</i>
	Emerging Tech and Innovation
1:30 PM	Customer Discovery for Engineers - Determine New Technology Product-Market Fit Maddie Frank, <i>Fortius Metals</i>
2:30 PM	Break
3:00 PM	Diamond Sponsor Session - GoEngineer
3:00 PM	Diamond Sponsor Session - Stratasys
3:00 PM	Platinum Sponsor Session - Lincoln Electric
	Materials
3:00 PM	An Approach to Crack-Free Printing Gamma Prime Nickel Superalloys Austin Tilly, <i>The Ohio State University</i> John Middendorf, <i>The Ohio State University</i>
	Aerospace
3:00 PM	Can multi-sensor in situ monitoring help accelerate part qualification? Shuchi Khurana, <i>Addiguru</i> Tayelor McKay, <i>Northrop Grumman Aeronautics Systems</i> Ashley Nichols, <i>Aerojet Rocketdyne, L3 Harris</i> Mohsen Taheri, <i>Texas A&M University</i> Jay Waterman, <i>Air Force Research Laboratory</i>
	Defense
3:00 PM	Additive Hard Knocks: Lessons Learned from America Makes and its Projects Ben DiMarco, <i>America Makes / NCDMM</i> Thomas Pomorski, <i>Ursa Major</i>
	Workshops & Hands-On Learning
3:00 PM	A Product Approach to Top-Line Revenue Growth David Tucker, <i>M5D</i>



	Automotive, Transportation, & Infrastructure
3:00 PM	AM in the Electrical Connectors Industry Marta Mico, <i>Supernova</i>
	Energy, Power, & Sustainability
3:00 PM	Joining outside the Printer - Nickel Superalloy LPBF TIG welded joints Tad Steinberg, <i>Siemens Energy Inc.</i>
4:00 PM	Transition
4:30 PM	Platinum Sponsor Session - AM Solutions
	Materials
4:30 PM	Charge-neutral electron beam powder bed fusion of C103 Jesse Callanan, <i>EWI</i>
	Design, Simulation, & AI
4:30 PM	The AI Shift: From Data to Decisions in Additive Manufacturing Daniel Landgraf, <i>3D Spark</i>
	Education, Standards, & Workforce Development
4:30 PM	Toxic Chemicals, Carcinogenic Powders -- A Panel for Workplace Safety Maddie Frank, <i>Fortius Metals</i> Jason Reason, <i>Airdusco EDS</i> Paul Bates, <i>ASTM International</i> Qian Zhang, <i>UL Research Institutes</i>
	Workshops & Hands-On Learning
4:30 PM	Intro to Computational Design Steven Szymczek, <i>Penumbra Consulting</i> Matt Shomper, <i>Not A Robot Engineering</i>
	Automotive, Transportation, & Infrastructure
4:30 PM	Enhancing Rail Safety: Precision Inspection of Passenger Railcars with 3D Scanning Jeff Junod, <i>Amtrak</i> Jonathan Rodriguez, <i>Go Engineer</i>
	Emerging Tech and Innovation
4:30 PM	Multiplexing Extrusion System(MExS): Multimaterial AM system for tailored hybrid composites Halil Tekinalp, <i>Oak Ridge National Laboratory</i> Alex Roschli, <i>Oak Ridge National Laboratory</i>



AMUG EVENING EVENTS

6:00 PM	AMUGexpo
6:00 PM	Networking Dinner (during AMUGexpo)
6:00 PM	Technical Competition (during AMUGexpo)

WEDNESDAY, MARCH 18, 2026

AMUG GENERAL SESSION

7:00 AM	Networking Breakfast
8:00 AM	Innovators Showcase Todd Grimm, <i>T. A. Grimm & Associates</i> Max Lobovsky, <i>Formlabs</i>
9:00 AM	AMUG Annual Business Meeting Shannon Van Deren, <i>Layered Manufacturing and Consulting</i> Heather Natal, <i>GoEngineer</i> Robin Van Bragt, <i>Eagle Design</i>
10:00 AM	Break

AMUG BREAKOUT SESSIONS

10:30 AM	Diamond Sponsor Session - GoEngineer
10:30 AM	Diamond Sponsor Session - Stratasys
10:30 AM	Platinum Sponsor Session - MC Machinery Emerging Tech and Innovation
10:30 AM	Upcycling of Ti-5-5-3 Waste into High Quality Powders for Advanced Manufacturing Kenneth Davis, <i>Amaero Advanced Materials & Manufacturing, Inc.</i> Rodrigo Soltero, <i>Amaero Advanced Materials & Manufacturing, Inc.</i> Design, Simulation, & AI
10:30 AM	Rethinking Design for Multi-Material Printing: Bridging Digital Models and Fabrication with OpenVCAD Charles Wade, <i>University of Colorado Boulder</i> Materials
10:30 AM	Novel Pathways for High-Quality Metal Powder Production Tony Bromwell, <i>LIFT</i>



Healthcare, Medical Devices, & Dental

10:30 AM **Shaping the Future: Printing Cranial Helmets for Infants from Scan to Fit**
David Johnson, *HP*
Judah Sher, *Go Engineer*
Emilie Simpson, *DyeMansion*

Aerospace

10:30 AM **AI-Driven Reverse Engineering and Qualification**
Andre Wegner, *Authentise*

Business and Finance

10:30 AM **So You Want To Start an Additive Manufacturing Business - Panel Discussion**
Paul DeWys, *Forerunner 3D Printing*

Aerospace

11:00 AM **Panel: AI Software Use in Aerospace AM**
Andre Wegner, *Authentise*
Dan Braley, *Manuven*

Design, Simulation, & AI

11:20 AM **From Uncertainty to Reliability: Robust Design for Additive Manufacturing**
Andreas Vlahinos, *Advanced Engineering Solutions*

12:00 PM **Networking Lunch**

1:30 PM **Diamond Sponsor Session - AMT PostPro**

1:30 PM **Diamond Sponsor Session - Wurth**

1:30 PM **Platinum Sponsor Session - DMG MORI**

Energy, Power, & Sustainability

1:30 PM **Digital Approach to Measuring Sustainability Impact**
Lampros Giourntas, *Baker Hughes Energy*
Faisal Iqbal, *Baker Hughes*

Materials

1:30 PM **Sinter-Based Additive Manufacturing: Debinding and Sintering Theory**
Joseph Strauss, *HJE Company, Inc.*

Education, Standards, & Workforce Development

1:30 PM **GD&T Vs Metrology**
Bob Diaz, *College of Southern Nevada*
Dan Flick, *College of Southern Nevada*



	Aerospace
1:30 PM	From Lab to Line: Deploying High-Productivity L-PBF of Ti-6Al-4V for Aerospace Components Michael Bodie, <i>GKN Aerospace</i>
	Consumer Products & Lifestyle
1:30 PM	Using the i-DAMP Design Software to Develop Next Generation Golf Drivers Onome Scott-Emuakpor, <i>Hyphen Innovations</i>
	Aerospace
2:00 PM	Laser Wire Directed Energy Deposition of 6 foot and Larger Titanium Aerostructures Chase Wallace, <i>GKN Aerospace</i>
2:30 PM	Break
3:00 PM	Platinum Sponsor Session - Oqton
	Industrial Applications
3:00 PM	Using Direct Digital Manufacturing to Reduce Cost and Cycle Time Ken Brace, <i>Rapid Prototyping Services</i>
	Energy, Power, & Sustainability
3:00 PM	Formlabs Alumina 4N: Insights from Designing and Printing Ceramic Braze Fixtures Mark Vasquez, <i>Sandia National Laboratories</i> Daniel Davis, <i>Sandia National Laboratories</i>
	Healthcare, Medical Devices, & Dental
3:00 PM	Algorithmic Design of a 3D printable Artificial Human Lung Greg Hurst, <i>United Therapeutics Corporation</i>
	Education, Standards, & Workforce Development
3:00 PM	Particle and volatile organic compound emissions from 3D printing with thermoplastics Qian Zhang, <i>UL Research Institutes</i>
	Aerospace
3:00 PM	Foundry In a Box Dave Rittmeyer, <i>Matthews Additive Technologies</i> Erich Knoespel, <i>Artcast Inc.</i>
	Workshops & Hands-On Learning
3:00 PM	Snap, Crack & Pop: Hands-on Material Testing Simon Pinter, <i>GoEngineer</i>



Workshops & Hands-On Learning

3:00 PM	THE ART AND SCIENCE OF DYEING 3D-PRINTED PARTS – A HANDS-ON WORKSHOP Emilie Simpson, <i>DyeMansion GmbH</i>
	Automotive, Transportation, & Infrastructure
3:00 PM	Scalable Additive Manufacturing of a Large, Conformally Cooled, Tool Insert Harald Lemke, <i>MacLean Additive</i>
	Consumer Products & Lifestyle
3:00 PM	Stories from the Stars: Capturing Human Imagination Through Additive Manufacturing Brent Griffith, <i>Lucent Additive</i>
3:30 PM	Transition
	Emerging Tech and Innovation
3:45 PM	Overcoming Data Registration Challenges Across Multi-Sensor Monitoring and CT Inspection Shuchi Khurana, <i>Addiguru</i> Bradley Jared, <i>University of Tennessee</i>
	Design, Simulation, & AI
3:45 PM	Navigating Infinite Possibilities: Efficient Lattice Design for AM Aaron Chow, <i>Vixiv</i>
	Business and Finance
3:45 PM	Successful AM adoption through Global Governance Cameron Peahl, <i>Eaton Corporation</i>
	Post-Processing and Advanced Finishing
3:45 PM	Advancements in L-PBF Support Strategies Justin Levy, <i>The Ohio State University</i> Austin Tilly, <i>The Ohio State University</i> Agustin Diaz, <i>REM Surface Engineering</i>
4:15 PM	Transition
	Emerging Tech and Innovation
4:30 PM	Discrete Level Sets and OpenVDB for Additive Manufacturing: Beyond Mesh and CAD Greg Hurst, <i>United Therapeutics Corporation</i>
	Design, Simulation, & AI
4:30 PM	Physics-Driven AM Design for Real-World Applications Steven Szymczek, <i>Penumbra Consulting</i> Matt Shomper, <i>Not A Robot Engineering</i>



Healthcare, Medical Devices, & Dental

4:30 PM **In-vivo study of 3D printed, porous implants**
Caroline Alting, *Duke University*

Aerospace

4:30 PM **Scaling Wire DED for Large Flight-Qualified Titanium and Nickel Superalloy Components**
Alan Pearce, *Fastech LLC*

Post-Processing and Advanced Finishing

4:30 PM **Rapid LPBF Parts Using Post-Print HIP Densification**
Kyle McGann, *OMIC R&D*
Will Watts, *OMIC R&D*

AMUG EVENING EVENTS

6:00 PM **AMUG Special Event and Dinner - Theme: Game On!**

6:00 PM **AMUGderby Competition (during Wednesday Night Event)**

THURSDAY, MARCH 19, 2026

AMUG GENERAL SESSION

7:00 AM **Networking Breakfast**

8:00 AM **Technical Competition Winners**
Corey Wardrop, *DMG MORI Additive Solutions*
Evan Bulter-Jones, *Equispheres*
Ryan Watkins, *Jet Propulsion Laboratory*
Luke Hileman, *Ricoh Healthcare*

9:00 AM **KEYNOTE: AM at Scale in Consumer Goods – The case of The LEGO Group**
Ronen Hadar, *The LEGO Group*

10:00 AM **Break**

12:00 PM **Networking Lunch**



AMUG BREAKOUT SESSIONS

1:30 PM	Diamond Sponsor Session - AMT PostPro
1:30 PM	Diamond Sponsor Session - Wurth
	Education, Standards, & Workforce Development
	Work Force Development for the Defense Industrial Base
1:30 PM	Maddie Frank, <i>Fortius Metals</i> Christopher Beeson, <i>ExxonMobil</i> Lindsay Cline, <i>Serco</i> Andrew Ruzek, <i>Materion</i> Austin Tilly, <i>The Ohio State University</i>
	Design, Simulation, & AI
1:30 PM	Precise implicit build processing via unit gradient fields Blake Courter, <i>Gradient Control Laboratories</i>
	Industrial Applications
1:30 PM	Top-Down vs. Bottom-Up: Identifying High-Value AM Applications Benjamin Haller, <i>AM Academy</i> Daniel Landgraf, <i>3D Spark</i>
	Automotive, Transportation, & Infrastructure
1:30 PM	3D Scanning, Reverse Engineering, in an Automotive World Arthur Young-Spivey, <i>Direct Dimensions</i>
	Business and Finance
1:30 PM	Accelerating ROI in Additive Manufacturing: Unlocking Growth Through Strategic Financing Solutions Dan Kehr, <i>GreatAmerica Financial Services</i>
2:30 PM	Break
3:00 PM	Diamond Sponsor Session - GoEngineer
3:00 PM	Diamond Sponsor Session - Stratasys
	Design, Simulation, & AI
3:00 PM	Engineering Complexity: From Geometry to Logic in AM-Ready Heat Exchangers Francesco Leonardi, <i>Puntozero 3D s.r.l.</i>
	Materials
3:00 PM	Urethane and Silicone Castings for Low-Rate Production Bruce LeMaster, <i>Obsidian Solutions Group, LLC</i>



Healthcare, Medical Devices, & Dental

3:00 PM	Disappearing Designs: Resorbable Materials and the Next Generation of Bioprinting Heather Decker, <i>Ronawk</i> Dani Mason, <i>B9Creations</i> Ethan Hartmann, <i>B9Creations</i>
	Emerging Tech and Innovation
3:00 PM	No-Agenda User Engagement Roundtable session - Firearms Business Breakout Colton Rooney, <i>EMI</i> Paul DeWys, <i>Forerunner 3D Printing</i>
	Automotive, Transportation, & Infrastructure
3:00 PM	DfAM-Based Additive Manufacturing for Flexible Automotive Sealer Nozzle Design Chulhong Rhie, <i>Hyundai Motors</i>
	Post-Processing and Advanced Finishing
3:00 PM	Standards Guide for Plating on AM Parts for structural reinforcement Sean Wise, <i>RePliForm Inc.</i>
4:00 PM	Transition
	Education, Standards, & Workforce Development
4:30 PM	There are so many Standards! Where do I start? Sean Hill, <i>ASTM International</i>
	Materials
4:30 PM	Comparing Thermoplastic and Thermoset Systems for LFAM Steven Guzorek, <i>Oakridge National Laboratory</i>
	Industrial Applications
4:30 PM	Post-Machining Carbon DLS Parts for AUV Sampling Manifolds Connor Shimamoto, <i>Sherpa Design</i>

AMUG EVENING EVENTS

6:00 PM	AMUG Family Closing Dinner & "Casino Night"
---------	--