



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

**AMUG BREAKOUT SESSIONS**

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



	Automotive, Transportation, & Infrastructure
1:30 PM	<b>Scaling Up: Serial Production 3D Printing for Hypercar Heat Exchangers</b> Ian Fordyce, <i>Conflux Technology</i>
	Industrial Applications
1:30 PM	<b>A Data-Driven Digital Additive Manufacturing Qualification Framework for Ensuring Cross-Supplier Part Equivalency</b> Amar Patel, <i>Baker Hughes</i>
	Aerospace
2:00 PM	<b>Examination of Additively Manufactured Electrostatically Dissipative (ESD) Ultem 1010 for Satellite Applications</b> Gina Ghiglieri, <i>Lanteris Space Systems</i>
2:30 PM	<b>Break</b>
3:00 PM	<b>Diamond Sponsor Session - AMT PostPro</b>
3:00 PM	<b>Diamond Sponsor Session - Wurth</b>
3:00 PM	<b>Platinum Sponsor Session - Aextra3D</b>
	Emerging Tech and Innovation
3:00 PM	<b>High-Resolution Additive Manufacturing for Free-Form 3D Microelectronics</b> Hylke Akkerman, <i>Holst Centre / TNO</i>
	Design, Simulation, & AI
3:00 PM	<b>Modeling and Automation for Additive Using Tools from Animation and Gaming</b> Mary Baker, <i>Palace3D</i>
	Healthcare, Medical Devices, & Dental
3:00 PM	<b>Beyond the Visible: Microscale 3D Printing at Mayo Clinic</b> Seth Hara, <i>Mayo Clinic</i>
	Workshops & Hands-On Learning
3:00 PM	<b>Using Silicone Molds and Casting combined with 3D Printing Seminar</b> Troy Peterson, <i>BJB Enterprises, Inc.</i> Scott McCausey, <i>BJB Enterprises</i>
	Business and Finance
3:00 PM	<b>Reinventing Manufacturing: Additive's Role in the Modern Industrial Ecosystem</b> 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, *Stratasys*  
Daniel Landgraf, *3D Spark*
- 8:45 AM                    **KEYNOTE: From Hypercars to Defense drones: how two major industry innovators started their partnership journey at AMUG**  
Scott Sawyer, *Divergent 3D*  
Steve Fournier, *General Atomics Aeronautical Systems, Inc.*
- 10:00 AM                  **Break**
- 10:30 AM                  **2026 AMUG Scholarship Winners**  
Brent Griffith, *Labconco*  
Olga Ivanova, *Mechnano*
- 11:00 AM                  **2026 DINO Awards - Distinguished INnovator Operator Awards**  
Bruce LeMaster, *Obsidian Solutions Group, LLC*
- 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, *One Click Metal*  
Napakarn Thussakorn, *AppliCAD*
- 1:30 PM                    **Post-Processing and Advanced Finishing**
- 1:30 PM                    **Tools in the Toolbox: Smart Approaches to Surface Finishing for Metal AM**  
Agustin Diaz, *REM Surface Engineering*  
Elena Lopez, *Fraunhofer Institute for Material and Beam Technology IWS*  
Ray Amin, *Extrude Hone*  
JIm Ringer, *Tech Met*  
JT Stone, *Microtek*



Industrial Applications

1:30 PM

**CAD to Injection Molded Parts in a Single Shift Using AM Inserts**

Rajeev Kulkarni, *Axtra3D*

Healthcare, Medical Devices, & Dental

1:30 PM

**Fact vs. Fiction: Will Bioprinting Shape the Next Frontier of 3D Printing?**

Katie Weimer, *GenesisTissue Inc.*

Workshops & Hands-On Learning

1:30 PM

**Geometrical Dimensioning & Tolerancing for AM Hands-on Workshop**

Giles Gaskell, *Pinnacle X-Ray Solutions*

Bob Diaz, *College of Southern Nevada*

Paul Finelt, *Concurrent Resources LLC*

Emerging Tech and Innovation

1:30 PM

**Customer Discovery for Engineers - Determine New Technology Product-Market Fit**

Maddie Frank, *Fortius Metals*

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, *The Ohio State University*

John Middendorf, *The Ohio State University*

Aerospace

3:00 PM

**Can multi-sensor in situ monitoring help accelerate part qualification?**

Shuchi Khurana, *Addiguru*

Taylor McKay, *Northrop Grumman Aeronautics Systems*

Ashley Nichols, *Aerojet Rocketdyne, L3 Harris*

Mohsen Taheri, *Texas A&M University*

Jay Waterman, *Air Force Research Laboratory*

Defense

3:00 PM

**Additive Hard Knocks: Lessons Learned from America Makes and its Projects**

Ben DiMarco, *America Makes / NCDMM*

Thomas Pomorski, *Ursa Major*

Workshops & Hands-On Learning

3:00 PM

**A Product Approach to Top-Line Revenue Growth**

David Tucker, *M5D*



Automotive, Transportation, & Infrastructure

3:00 PM

**AM in the Electrical Connectors Industry**

Marta Mico, *Supernova*

Energy, Power, & Sustainability

3:00 PM

**Joining outside the Printer - Nickel Superalloy LPBF TIG welded joints**

Tad Steinberg, *Siemens Energy Inc.*

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, *EWI*

Design, Simulation, & AI

4:30 PM

**The AI Shift: From Data to Decisions in Additive Manufacturing**

Daniel Landgraf, *3D Spark*

Education, Standards, & Workforce Development

4:30 PM

**Toxic Chemicals, Carcinogenic Powders -- A Panel for Workplace Safety**

Maddie Frank, *Fortius Metals*

Jason Reason, *Airdusco EDS*

Paul Bates, *ASTM International*

Qian Zhang, *UL Research Institutes*

Workshops & Hands-On Learning

4:30 PM

**Intro to Computational Design**

Steven Szymczek, *Penumbra Consulting*

Matt Shomper, *Not A Robot Engineering*

Automotive, Transportation, & Infrastructure

4:30 PM

**Enhancing Rail Safety: Precision Inspection of Passenger Railcars with 3D Scanning**

Jeff Junod, *Amtrak*

Jonathan Rodriguez, *Go Engineer*

Emerging Tech and Innovation

4:30 PM

**Multiplexing Extrusion System(MExS): Multimaterial AM system for tailored hybrid composites**

Halil Tekinalp, *Oak Ridge National Laboratory*

Alex Roschli, *Oak Ridge National Laboratory*



## 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, *T. A. Grimm & Associates*  
Max Lobovsky, *Formlabs*
- 9:00 AM                    **AMUG Annual Business Meeting**  
Shannon Van Deren, *Layered Manufacturing and Consulting*  
Heather Natal, *GoEngineer*  
Robin Van Bragt, *Eagle Design*
- 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-5-5-5-3 Waste into High Quality Powders for Advanced Manufacturing**  
Kenneth Davis, *Amaero Advanced Materials & Manufacturing, Inc.*  
Rodrigo Soltero, *Amaero Advanced Materials & Manufacturing, Inc.*  
  
Design, Simulation, & AI
- 10:30 AM                  **Rethinking Design for Multi-Material Printing: Bridging Digital Models and Fabrication with OpenVCAD**  
Charles Wade, *University of Colorado Boulder*  
  
Materials
- 10:30 AM                  **Novel Pathways for High-Quality Metal Powder Production**  
Tony Bromwell, *LIFT*





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, *GKN Aerospace*

Consumer Products & Lifestyle

- 1:30 PM **Using the i-DAMP Design Software to Develop Next Generation Golf Drivers**  
Onome Scott-Emuakpor, *Hyphen Innovations*

Aerospace

- 2:00 PM **Laser Wire Directed Energy Deposition of 6 foot and Larger Titanium Aerostructures**  
Chase Wallace, *GKN Aerospace*

- 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, *Rapid Prototyping Services*

Energy, Power, & Sustainability

- 3:00 PM **Formlabs Alumina 4N: Insights from Designing and Printing Ceramic Braze Fixtures**  
Mark Vasquez, *Sandia National Laboratories*  
Daniel Davis, *Sandia National Laboratories*

Healthcare, Medical Devices, & Dental

- 3:00 PM **Algorithmic Design of a 3D printable Artificial Human Lung**  
Greg Hurst, *United Therapeutics Corporation*

Education, Standards, & Workforce Development

- 3:00 PM **Particle and volatile organic compound emissions from 3D printing with thermoplastics**  
Qian Zhang, *UL Research Institutes*

Aerospace

- 3:00 PM **Foundry In a Box**  
Dave Rittmeyer, *Matthews Additive Technologies*  
Erich Knoespel, *Artcast Inc.*

Workshops & Hands-On Learning

- 3:00 PM **Snap, Crack & Pop: Hands-on Material Testing**  
Simon Pinter, *GoEngineer*



Workshops & Hands-On Learning

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



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

Dani Mason, *B9Creations*

Ethan Hartmann, *B9Creations*

Emerging Tech and Innovation

3:00 PM

**No-Agenda User Engagement Roundtable session - Firearms Business Breakout**

Colton Rooney, *EMI*

Paul DeWys, *Forerunner 3D Printing*

Automotive, Transportation, & Infrastructure

3:00 PM

**DfAM-Based Additive Manufacturing for Flexible Automotive Sealer Nozzle Design**

Chulhong Rhie, *Hyundai Motors*

Post-Processing and Advanced Finishing

3:00 PM

**Standards Guide for Plating on AM Parts for structural reinforcement**

Sean Wise, *RePliForm Inc.*

4:00 PM

**Transition**

Education, Standards, & Workforce Development

4:30 PM

**There are so many Standards! Where do I start?**

Sean Hill, *ASTM International*

Materials

4:30 PM

**Comparing Thermoplastic and Thermoset Systems for LFAM**

Steven Guzorek, *Oakridge National Laboratory*

Industrial Applications

4:30 PM

**Post-Machining Carbon DLS Parts for AUV Sampling Manifolds**

Connor Shimamoto, *Sherpa Design*

**AMUG EVENING EVENTS**

6:00 PM

**AMUG Family Closing Dinner & "Casino Night"**