

THE LAST TACTICAL MILE [LTM] SEMINAR SERIES

9

METAL CASTING  
IMPACT 2.0

# ADDITIVE MANUFACTURING FOR METAL CASTING

RAISING THE BAR ON HIGH-IMPACT EDUCATION AND NETWORKING FOR FOUNDRIES AND GOVERNMENT/DOMESTIC SUPPLY CHAIN PARTNERS.

WEDNESDAY, OCTOBER 14, 2026 | THE VENUE BANQUETS IN TALLMADGE, OHIO



ALL-DAY  
EVENT  
FREE OF  
CHARGE.



## HIGHLIGHTS

- ✓ **The OEM Perspective:** Understand why OEMs want you to apply this technology
- ✓ **Mold Design Applications:** Best practices regarding integration of AM for mold design
- ✓ **Material Extrusion Printers** and their application to hybrid tooling
- ✓ **Materials and Consumables:** What is being utilized today and what the future holds
- ✓ **Large Format Printers:** Operations and Best Practices
- ✓ **Future Technologies:** Discussion on what new AM may be coming and its impacts
- ✓ **Expert Panel Q&A:** Engage with Foundry experts
- ✓ **Networking Hub:** Foster connections, share insights, and stay updated on current trends

**Government and OEM casting consumers require increased agility in the casting sector to enable operational availability of critical platforms. Additive manufacturing for metal casting offers reduced lead times, ability to cast complex parts and reduce scrap.**

**Key Takeaways:** You will understand how the technology facilitates more agile casting production for your organization and your supply chain partners. Presenters will share best practices on current technology applications for tooling and toolingless approaches to mold design. Networking sessions will connect you with experts and early adopters who will broaden your team's vision of how to leverage this advanced manufacturing approach to reduce lead times and produce challenging cast parts.

**Who should attend this training?** Foundry technical staff and procurement professionals, OEM, Tier I/II casting consumers, government engineers, engineering and technical students.

**WE ARE LOOKING FORWARD TO SEEING YOU!**



- ✓ **DEFENSE ACQUISITION PROFESSIONALS** earn **7 CONTINUOUS LEARNING POINTS (CLPs)** for attending, contact Brittany Engel for details.

NEW!

SCAN THE QR-CODE OR  
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<https://AMMetalCasting9.eventbrite.com>

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## THE VENUE BANQUETS | TALLMADGE, OHIO

### MORNING AGENDA

OCTOBER 14, 2026

### AFTERNOON AGENDA

8:15 - 8:30

**DOORS OPEN FOR CHECK-IN**



#### THE VENUE BANQUETS

10 Tallmadge Cir  
Tallmadge, OH 44278

8:30 - 8:40

#### Opening Remarks & Introductions

**Rich LONARDO**, Principal, Defense & Energy Systems

8:40 - 9:05

#### The OEM Perspective

01

**Dr. Kirk ROGERS**, Ph.D., Principal Consultant for M&P Gravity Works  
**Marshall MILLER**, President of Tesserract4D

9:05 - 10:05

#### Printed Mold & Core Design Fundamentals

02

**Dave RITTMAYER**, Director, Business Development at Matthews Additive Technologies  
**Dr. Jason WALKER**, Ohio State University CDME, Director, Materials and Processes

10:05 - 10:20

**NETWORKING BREAK**

10:20 - 11:20

#### Extrusion Technology for Production Patterns and Core Equipment

03

**Marshall MILLER**, President of Tesserract4D

11:20 - 12:00

#### Large Format Sand Printer Lessons Learned & Best Practices [Part 1]

04

**Dr. Nathaniel BRYANT**, Associate Director, Metal Casting Center, University of Northern Iowa

12:00 - 12:30

**LUNCH WILL BE SERVED**

12:30 - 1:20

#### Large Format Sand Printer Lessons Learned & Best Practices [Part 2]

05

**Jerry THIEL**, Retired Director of the UNI Metal Casting and Foundry 4.0 Centers, University of Northern Iowa

1:20 - 2:10

#### Printer Materials and Innovation

06

**Kelley KERNS**, Director, New Business Development HA International, LLC  
**Dr. Dustin GILMER**, Assistant Professor, Material Science and Engineering at the University of Tennessee & UT Space Institute

2:10 - 2:30

**NETWORKING BREAK**

2:30 - 3:30

#### Buying versus Making: All you need to know about printed mold and core production

07

**Brandon LAMONCHA**, Director of Additive Manufacturing, Humtown Additive  
**Dave RITTMAYER**, Director, Business Development at Matthews Additive Technologies

3:30 - 4:00

#### Innovations and Panel Discussion

08

**ALL PRESENTERS**



This one-day workshop accounts for **7 CONTINUOUS LEARNING POINTS (CLPs)** for defense acquisition professionals, email **Brittany ENGEL** at [bengel@ybi.org](mailto:bengel@ybi.org) for details.

#### OUR PARTNERS

