

THE LAST TACTICAL MILE [LTM] SEMINAR SERIES

# 7 ADDITIVE MANUFACTURING FOR METAL CASTING

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

WEDNESDAY, MAY 13, 2026 | WOJCIK CONFERENCE CENTER | PALATINE, IL.



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://AMMetalCasting7.eventbrite.com>

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## WOJCIK CONFERENCE CENTER | PALATINE, IL.

### MORNING AGENDA

MAY 13, 2026

### AFTERNOON AGENDA

8:15 - 8:30

#### DOORS OPEN FOR CHECK-IN



#### WOJCIK CONFERENCE CENTER

1200 ALGONQUIN ROAD  
PALATINE, IL 60067

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.

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