THE LAST TACTICAL MILE [LTM] SEMINAR SERIES 5

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.

OCTOBER 16, 2025 | DUBLIN INTEGRATED EDUCATION CENTER | DUBLIN, OHIO

ALL-DAY EVENT **FREE OF CHARGE.**

Dublin Integrated Education Center
6805 BOBCAT WAY
SUITE 230
DUBLIN, OHIO 43016

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!

NEW!

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

BOOK YOUR SEAT TODAY!

https://AMMetalCasting5.eventbrite.com

Brittany Engel, Engineering Project Manager bengel@ybi.org HTTPS://YBI.ORG

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THE LAST TACTICAL MILE SEMINAR SERIES 5

ADDITIVE MANUFACTURING FOR METAL CASTING

Central Daylight Time (CDT)

METAL CASTING IMPACT 2.0

[LTM] 5TH SEMINAR AGENDA | DUBLIN INTEGRATED EDUCATION CENTER | DUBLIN, OH

OCTOBER 16, 2025

MORNING AGENDA

8:15 – 8:30 — **DOORS OPEN FOR CHECK-IN**

Dublin Integrated Education Center
6805 BOBCAT WAY SUITE 230
DUBLIN, OHIO 43016

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 RITTMEYER, 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 – 12:20 — **Large Format Sand Printer Lessons Learned & Best Practices**

04

Dr. Nathaniel BRYANT, Project Engineering Manager, Metal Casting Center, University of Northern Iowa
Jerry THIEL, Retired Director of the UNI Metal Casting and Foundry 4.0 Centers

AFTERNOON AGENDA

12:20 – 12:35 — **LUNCH WILL BE SERVED**

12:35 – 1:20 — **Innovations and Panel Discussion**

05

All PRESENTERS

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 RITTMEYER, Director, Business Development at Matthews Additive Technologies

3:30 – 4:00 — **Innovations and Panel Discussion**

08

All PRESENTERS

TBD — **Foundry Tour |**

NETWORKING RECEPTION

TBD — **TBD**

TBD | TBD

7 (CLPs)

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

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