

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!



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

Brittany Engel, Engineering Project Manager

**BOOK YOUR SEAT
TODAY!**

<https://AMMetalCasting5.eventbrite.com>

bengel@ybi.org [HTTPS://YBI.ORG](https://YBI.ORG)



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

MORNING AGENDA

OCTOBER 16, 2025

AFTERNOON 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 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 – 12:20

**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

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 RITTMAYER, 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

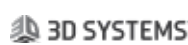
TBD | TBD



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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