

Advanced Manufacturing Collaborative

March 4, 2024

10:00am - 11:00am

Minutes

Attendees:

- Secretary Yvonne Hao, MA Executive Office of Economic Development
- Michael Tamasi, AccuRounds
- Representative Jeffrey Roy, MA House of Representatives
- Stephen Boyd, Boyd Biomedical
- Leslie Greis, Kinefac
- Peter Haas, Mass Tech
- Laura Hooks, General Dynamics
- Carolyn Kirk, MassTech
- Joseph Kunze, Si2
- Ben Linville-Engler, MassTech
- Kathie Mahoney, MassMEP
- Vinit Nijhawan, MassVentures
- Ellen Piccioli, WPI
- Dan Riviera, MassDevelopment
- Art Trapotsis, Industry Advisor
- Ken Warnock, Medtronic
- Anne Maglia, UMass Lowell
- Ben Armstrong, MIT

Absent:

- Secretary Lauren Jones, MA Executive Office of Labor and Workforce Development
- Undersecretary Sarah Stanton, MA Executive Office of Economic Development
- Senator Paul Feeney, MA Senate
- Carlo Canetta, MITRE
- Julie Chen, UMass Lowell
- Jeanne LeClair, Mass Life Sciences
- Emily Reichert, MassCEC
- Israel Soibelman, Lincoln Labs
- Rick Sullivan, Western MA Economic Development Council
- Brooke Thomson, AIM
- Winston Sobojeyo, WPI
- Damon Cox, MassChallenge

Guests:

- Ted Acworth, Artaic
- Keith Drucker, Sen. Paul Feeney office
- Mark Halfman, MassTech
- Kelly Johnson, MassTech
- Angela El-Jazzar, MA Executive Office of Economic Development

Staff:

- Christine Nolan, Mass Tech
- Meghan Abella-Bowen, Mass Tech
- Farhad Vazehgoo, Mass Tech
- Lily Fitzgerald, Mass Tech
- Richard Cook, Mass Tech
- Emily Sosnovsky, Mass Tech

Introduction, roll call:

Roll call was taken.

Approval of minutes from September 19, 2023 meeting.

The September 19, 2023 and December 5, 2023 minutes were reviewed. A motion to approve the September 19, 2023 and December 5, 2023 minutes was made by Ken Warnock and seconded by Art Trapotsis, and approved unanimously. 1 abstention – Secretary Yvonne Hao

Welcome remarks from Co-Chair Yvonne Hao

Secretary Hao welcomed the AMC members and noted that the Governor's economic development plan was released in December 2023 and the bill was filed by Governor Healey on March 4, 2024. The bill proposes funding for Robotics, AI, Regional Tech Hubs, Life Sciences, Climate Tech and M2I2 and MMAP programming. Secretary Hao noted that Massachusetts is positioned to grow and support manufacturing, with the caveat that we should be intentional in our work to create an environment where our manufacturers can compete.

Welcome remarks from Co-Chair Michael Tamasi

Co-Chair Mike Tamasi welcomed the AMC members and highlighted the work being done across the state to support manufacturing through innovation and workforce development. He specifically highlighted the Uniquely Abled (UA) program, a pilot workforce training program, designed to prepare individuals with autism for careers as CNC operators. The program is a collaboration between Bridgewater State University, South Shore Regional Vocational Technical High School and the MassHire Workforce Boards and will introduce a new audience of potential workers to manufacturing.

Federal pursuit opportunities

Ben Linville-Engler provided an update on federal pursuit opportunities.

- Microelectronics Commons Update
 - On January 30, 2024, NEMC hosted the Microelectronics Road Show event. Since its inception, NEMC membership has grown from 90 organizations to 170 across New England.
 - Microelectronics Commons inaugural Call for Projects (CFP) was released on Dec. 19, 2023. The Hub received 41 applications across 6 Tech Areas and submitted 15 applications on Feb. 28, 2024.
 - 53 unique organizations participated in developing submissions.
 - 13 Proposal Tech Leads.
 - 49 team members organizations engaged in submissions.
 - 4 proposals were led by startups.

- R&D Incentives
 - National Advanced Packaging and Manufacturing Program (NAPMP) NOFO 1, focused on accelerating domestic R&D to translate domestic materials and substrate innovation into U.S. manufacturing. The program makes technologies available to U.S. manufacturers and customers to significantly benefit U.S. economic and national security. Concept papers are due on April 12, 2024. Invited papers must submit full applications by July 3, 2024.

Business Environment:

Lily Fitzgerald provided an update on the MMAP program – The program continues to gain momentum with 56 manufacturers receiving awards totaling \$10.8M.

- FY'24 - MMAP budget is ~\$8.2M
- Round 4th awardees will be announced today. Sixty-one applications were received and 17 proposals were selected for funding.
- Round 5 is now open and applications will be due on April 3rd.

MMAP is evolving to support digital transformation. Industry 4.0 aims to revolutionize traditional manufacturing by creating secure, agile, flexible, and highly efficient production systems capable of adapting to changing demands and delivering customized solutions to customers with unprecedented precision and responsiveness.

The question was posed to the group, how do we support manufactures in their digital transformation of Industry 4.0 journey beyond capital dollars? How do we support a path for our SMMs to transform into an Industry 4.0 business.

Discussion focused on what is currently available, what is missing, and how could we (the system) support our manufacturers.

Talent Update:

Tabled discussion.

Closing Remarks

Next meeting; June 5th, 2024 at 10:00am, location TBD.

Materials and Exhibits Used at this Meeting:

1. Draft Minutes – September 19, 2023 Advanced Manufacturing Collaborative meeting minutes
2. Draft Minutes – December 5, 2023 Advanced Manufacturing Collaborative meeting minutes