

## Advanced Manufacturing Collaborative

September 16, 2022

1:00pm - 2:00pm

### Minutes

#### Attendees:

Ben Armstrong, MIT  
Carlo Canetta, MITRE  
Julie Chen, UMass Lowell  
Susan Feindt, Analog Devices  
Mark Fuller, MA EOHED  
Leslie Greis, Kinefac  
Secretary Michael Kennealy, MA EOHED  
Carolyn Kirk, Mass Tech Collaborative  
Joseph Kunze, Si2  
Megan Marszalek, Mass Tech Collaborative  
Vinit Nijhawan, MassVentures  
Dan Rivera, MassDevelopment  
Representative Jeffrey Roy, MA House of Representatives  
Rick Sullivan, Western MA Economic Development Council  
Michael Tamasi, AccuRounds  
Art Trapotsis, Consolidated Sterilizer Systems  
Ken Warnock, Medtronic

#### Absent:

Rosalin Acosta, MA EOLWD  
Robby Bitting, MassChallenge, Boston  
Stephen Boyd, Boyd Technologies  
Allan Brown, General Dynamics  
David Cruise, MassHire, Hampden County  
Jim Heppelman, PTC  
Senator Eric Lesser, MA Senate  
John Regan, AIM  
Brenna Schneider, 99Degress  
Winston Sobojeyo, WPI  
Israel Soibelman, Lincoln Labs  
Kenneth Turner, MLSC  
Mass Clean Energy Center

#### Guests:

Logen Thiran, ARA  
Kim Ingalls, MassMEP

#### Staff:

Ben Linville-Engler, MassTech

Christine Nolan, MassTech  
Farhad Vazehgoo, MassTech  
Meghan Abella-Bowen, MassTech

### **1. Introduction, roll call, approval of past minutes**

Roll call was taken and the June 16, 2022 minutes were approved unanimously and without abstention.

A motion to approve by Joseph Kunze seconded by Carlo Canetta, and approved unanimously through a roll call.

### **2. Remarks from Christine Nolan on the Mash-Up**

Ms. Nolan welcomed everyone to the AMC meeting and Mash-up. She provided a quick overview on the Mash-Up program highlighting the resources and activities presented at the event, including new additions that include the student STEM challenge, the “official launch” of our MassMakes brand and marketing campaign, and announcement of the second round of the MMAP awards. This year over 1300 people have registered for the Mash-Up, doubling our registration from last year.

### **3. Welcome remarks from Co-Chair Michael Tamasi**

Mr. Tamasi opened the meeting and welcomed everyone. He noted the increased interest in advanced manufacturing and how we should leverage this momentum. He thanked Senator Lesser and Rep Roy for all their support for manufacturing in MA.

### **4. Welcome remarks from Secretary Kennealy**

Sec. Kennealy welcomed the AMC to the meeting and the Mash-Up. He thanked the collaborative for the work they have been doing to support manufacturing. He gave a brief update on unemployment numbers, noting that Massachusetts unemployment is currently at 3.5% and the strength of manufacturing is playing a role. Sec Kennealy highlighted 3 initiatives helping to drive manufacturing in MA, the 1.) the semiconductor coalition that started approximately 18 months ago, the passing of the CHIPS act, the continued support for the M2I2 program, and the new MMAP program.

### **5. Remarks from Ben Linville-Engler on CHIPS + Science**

Mr. Linville-Engler provided an overview on the CHIPS + Science act that passed in early August.

\$54.2 Billion in Total Appropriations

- \$19B spend in FY'22 - large fab manufacturing, legacy chip support
- Establishes National Semiconductor Technology Center (NSTC)
- Significant R&D dollars for advanced packaging & other programs
- Workforce funding (skills gap of ~90k new jobs by 2025)
- Includes 25% advanced manufacturing investment tax credit

#### **MA Activity In Process**

- NSTC Advisory Coalition – Analog Devices, MITRE, and MIT
- Established MA Semiconductor Coalition – R&D, Workforce, Facilities & Technology
- DoC/NIST RFI – March 2022 | DoD RFI – April 2022 | NSF Engines – June 2022
- Positive discussions with Netherlands PhotonDelta coalition (\$1.1B in April 2022)

Over the next several months the coalition will continue to develop a strategy to position itself to meet the challenges and respond to the RFP expected in February 2023. If interested in additional information, contact Ben Linville-Engler.

**Closing Remarks**

The next AMC meeting is scheduled for December 8, 2022. Working groups will be scheduled for the week of October 17, 2022.

**Materials and Exhibits Used at this Meeting:**

1. Draft Minutes – June 16, 2022 Advanced Manufacturing Collaborative meeting minutes
2. Presentation – Advanced Manufacturing Collaborative, September 16, 2022