**HIGH RATE AEROSTRUCTURES FABRICATION IACMI WORKING GROUP**

**Meeting Minutes February 16, 2021**

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The meeting had 156 registered members and 103 attendees; comprising universities, federal labs, IACMI, and comprehensive industry supply chain representation. The agenda began with Brian Rice presenting an overview focused on recent developments in Urban Air Mobility and eVTOL aircraft. Of particular note are the following interest items:

1) Joby Aviation acquired the Uber Elevate air taxi platform and received a $75M investment from Uber.

2) The Vertical Flight Society completed its 8th Annual eVTOL Symposium Jan. 26-28, in virtual mode

3) UP.Partners presented several charts on market size showing $1.5T by 2040 in Advanced Air Mobility

4) Venture capital investment in AAM is growing rapidly with $110B invested since 2015

5) United Airlines placed a $1B order for 200 Archer eVTOL aircraft on February 10. The aircraft is designed to carry four passengers up to 60 miles at speeds of 150 mph.

6) Air Force, AFWERX Agility Prime program released awards for numerous STTR’s supporting eVTOL technologies.

7) Three STTR awards in composite structures were awarded to IACMI members which were reviewed at this meeting.

Dan Allman (Globe Machine) “Agile, Rapid and Low Cost Composites Manufacturing Technology”

Tom Margraf (Spintech Holdings) “Topology Optimized Structure to Replace Core Stiffened Composites”

Tom Margraf (Spintech Holdings) “Advanced Manufacturing of Propeller Blades”

**Meeting recording link: Meeting begins at 11 minutes** [https://www.dropbox.com/s/evpazxuoqvqundv/Reminder\_%20High%20Rate%20Aerostructures%20Fabrication%20Working%20Group%20meeting%20-%20IACMI%20Winter%202021%20Members%20Meeting-20210216\_121952-Meeting%20Recording.mp4?dl=0](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fwww.dropbox.com%2fs%2fevpazxuoqvqundv%2fReminder_%2520High%2520Rate%2520Aerostructures%2520Fabrication%2520Working%2520Group%2520meeting%2520-%2520IACMI%2520Winter%25202021%2520Members%2520Meeting-20210216_121952-Meeting%2520Recording.mp4%3fdl%3d0&c=E,1,2M9gHzPGzlfO4UNuuxJiTwdM8aHr8o9luzJM85pLAF1F9SA3pcW_zlR_PJvTEf8wJAYcWbv_barlTydfi-FnSAUHZ3ER0OU_XYXbVMoR3uV8uG4l1LmiOJLQ&typo=1)

**Meeting Survey and Action Items**

The four questions below were asked during the close of the meeting. Please send **Brian Rice** your response if you have suggestions for topics, speakers, and action items for the next meeting. **In particular please contact Brian if you would like to take an active role to join a steering group to develop future agendas.**

***In general, are these types of project reviews of interest to you?***

***Do you have any interest to stay engaged/updated regarding outcomes from these projects?***

***Would you like to present at a future meeting or do you have suggestions for a guest speaker or topic?***

***Would you like to opt-in to the High Rate Aerostructures Fabrication Working Group?***

**HIGH RATE AEROSTRUCTURES FABRICATION IACMI WORKING GROUP**

**Group Scope**

* Currently federal and industry partnerships have formed to address broad issues relating to implementation of urban air mobility systems over the next several years.
* Opportunities for high rate manufacturing are projected supporting both commercial single aisle (A320 and 737 series) and urban air mobility aircraft including air-taxi and cargo delivery for short hauls (typically under 100 miles).
* The IACMI consortium is uniquely positioned to foster technology, workforce, and value chain development supporting high rate, low cost aerostructure manufacturing to meet an anticipated rapidly growing need for both defense and commercial needs.

**Group Objectives**

* Facilitate communications regarding issues and opportunities
* Maintain a technology development roadmap
* Communicate manufacturing R&D projects for funding opportunities
* Formulate and conduct directed manufacturing R&D
* Support technology transition through conferences and workshops