Welcome to the High Rate Aerostructures Fabrication IACMI Working Group

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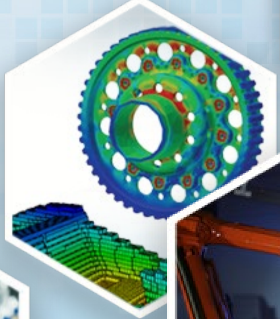


THE COMPOSITES iacmi INSTITUTE

High Rate Aerostructures Fabrication Working 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

AFWERX – Agility Prime - eVTOL

Opportunity and Imperative to Move

How can the federal government most effectively supercharge the innovation ecosystem?

FlyOhio to Partner with NASA in Deployment of Ohio's Advanced Air Mobility Ecosystem

https://content.govdelivery.com/accounts/OHDOT/bulletins/2d90fb1

COLUMBUS - FlyOhio, a collaboration of public, private and academic institutions led by DriveOhio's advanced air mobility (AAM) group, has been selected to participate in the National Aeronautics and Space Administration (NASA)'s Advanced Air Mobility National Campaign. The award focuses on system development through integrated vehicle and airspace demonstrations in real-world scenarios that are critical to safe and effective commercialization.

AF203-DCSO4 SBIR D2P2 TITLE: Industry Technologies Advancing Materials and Manufacturing Processes for Attritable Structures, Engines, and Sensors of Autonomous Unmanned Aerial Systems and Space Systems

The objective of this topic is to identify and demonstrate dual-industry technologies, with both defense and commercial applications, of materials and manufacturing processes that can be applied to attritable Unmanned Air Systems (UAS) and low cost space systems. The specific systems and subsystems of interest for this topic include space systems, subsystems, and components AND UAS structures, engines, and sensors. This topic applies to companies capable of completing a feasibility study and demonstrating validated concepts by manufacturing a relevant prototype(s) in an accelerated Phase II schedule. This topic assumes offerors have already completed early stage research and development independent of the SBIR or STTR Phase I processes and are prepared to demonstrate prototype manufacturing capabilities at TRL/MRL 5-6 during Phase II execution.

Featured Presentations

- **Craig Neslen**, Air Force – ManTech, "Low Cost Autonomous Aircraft – Design and Manufacturing"
- **Babak Raeisinia**, Machina Labs, SBIR II Title "Rapid Metal Tooling for High-Rate, Low-Cost Production of Composite Parts"
- **Steve Schoenholtz**, Triton Systems, SBIR II Title "Novel Additively Manufactured Composite Tooling".
- **Tyler Alvarado**, Continuous Composites, SBIR II Title "Topology Optimized Continuous Fiber AM of Complex Aerostructures."
- **Joe Spangler**, Teijin, "Composite Material Innovations for Aerostructures"
- 3 Poll Questions
- General Discussions, Q&A