



DEPARTMENT OF DEFENSE MANUFACTURING INNOVATION INSTITUTES

Quick Start Opportunity Guide for

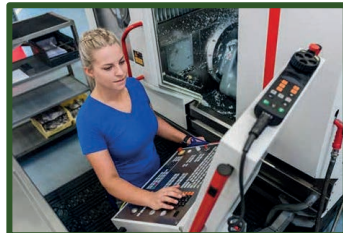


Federal Agencies & State/Local Governments

Department of Defense Manufacturing Innovation Institutes (DoD MIIs) connect organizations and investments to enable the affordable, rapid transition of defense-essential technologies.

National and economic security rely on a robust domestic industrial base armed with the **advanced manufacturing** technologies needed to deliver critical products and systems rapidly and affordably. As adversarial threats increase, the United States must create the manufacturing capabilities needed to secure our economic foundations and modernize our military.

An innovative industrial base can only be accomplished through nationwide collaboration that fosters healthy, competitive technology ecosystems.



This is where the DoD MIIs come in...

The DoD MIIs are game-changing catalysts that serve as a connective tissue uniting innovative industrial ecosystems with emerging technology and market sectors in the U.S. Convening this network of visionaries enables DoD to connect with the ecosystem needed to bring new technologies to U.S. warfighters.

- **2,200+ members** from the defense industry, commercial manufacturers of all sizes, universities, community colleges, and state/local economic developers
- **1,800+ projects** advancing manufacturing technologies
- **700+ projects** furthering workforce development

PARTNER UP TO ADVANCE YOUR MISSION

Each DoD MII creates a much-needed industrial commons that helps accelerate the delivery of promising technologies. These public-private partnerships are defense-relevant, industry-led, critical to our economy, and positioned to deliver value to you and our nation.



ECOSYSTEM ACCESS

- ✓ *Hone expertise and engage with industry, academia, and non-traditional defense contract*
- ✓ *Identify domestic sources for components and materials*
- ✓ *Increase state, local preeminence through ecosystem expansion*
- ✓ *Leverage institute convening power for regional impact*
- ✓ *Support small business mentoring and growth*



SOLVE MISSION CHALLENGES

- ✓ *Sponsor government-directed projects to meet mission needs*
- ✓ *Access rapid, flexible contracting*
- ✓ *Advance from prototype to pilot-scale production*
- ✓ *Apply new manufacturing processes to reduce cycle time*
- ✓ *Utilize tools to support legacy systems*
- ✓ *Reduce risk in transition (example: DoD Programs of Record)*



GROW THE WORKFORCE

- ✓ *Participate in institute and member-led training programs*
- ✓ *Promote manufacturing jobs*
- ✓ *Deliver unique opportunities for regional students, leveraging relationships with community colleges and universities*

Interested?

- 1) Use the back of this flyer to identify the institute and technology space best aligned to your office or program.
- 2) Visit their website to explore all the opportunities and resources available through the institute.
- 3) If you are interested in exploring opportunities to engage, email the point of contact on the back of this flyer.

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Office of the Secretary of Defense
Under Secretary of Defense for Research and Engineering

For more information visit www.DoDManTech.mil | www.ManufacturingUSA.com



America Makes: National Additive Manufacturing Innovation Institute

Youngstown, OH | www.americamakes.us | Established 2012
America Makes strengthens U.S. capabilities in 3D printing and additive manufacturing
CONNECT | Dawn Marzano: dawn.marzano@ncdmm.org



Manufacturing x Digital: Digital Manufacturing and Cybersecurity Institute

Chicago, IL | www.mxdusa.org | Established 2014
MxD drives digital adoption in manufacturing
CONNECT | membership@mxdusa.org



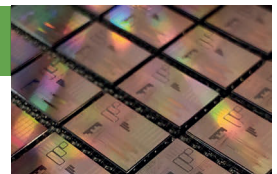
LIFT: National Advanced Materials Manufacturing Innovation Institute

Detroit, MI | lift.technology | Established 2014
LIFT connects materials, processes, systems, and talent
CONNECT | communications@almmii.org



AIM Photonics: American Institute for Manufacturing Integrated Photonics

Albany & Rochester, NY | www.aimphotonics.com | Established 2015
AIM Photonics shapes development of the photonic integrated circuit industry
CONNECT | Leah Scott: LScott@ny-creates.org



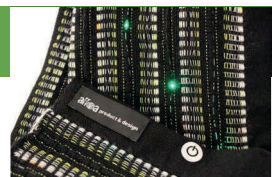
NextFlex: America's Hybrid Electronics Institute

San Jose, CA | www.nextflex.us | Established 2015
NextFlex innovates printed electronics manufacturing & advanced packaging solutions for hybrid electronic products
CONNECT | Karen Savala: ksavala@nextflex.us



AFFOA: Advanced Functional Fabrics of America

Cambridge, MA | www.AFFOA.org | Established 2016
AFFOA accelerates development of highly functional fibers and fabrics
CONNECT | Natasha Spackey: natasha@affoa.org



BioFabUSA: Advanced Regenerative Manufacturing Institute

Manchester, NH | armiusa.org | Established 2016
BioFabUSA enables scalable, consistent, cost-effective manufacturing of cell-based therapies for the Warfighter
CONNECT | info@armiusa.org



The ARM Institute: Advanced Robotics for Manufacturing

Pittsburgh, PA | www.arminstitute.org | Established 2017
The ARM Institute advances smart, collaborative robotics
CONNECT | membership@arminstitute.org



BioMADE: Bioindustrial Manufacturing and Design Ecosystem

Twin Cities, MN & Emeryville, CA | www.biomade.org | Established 2020
BioMADE builds a sustainable, domestic end-to-end bioindustrial manufacturing ecosystem
CONNECT | Christine Lee: clee@biomade.org



Don't know where to start? Contact MicKenzie Frith, DoD MII Executive Secretary: mickenzie.r.frith.ctr@mail.mil